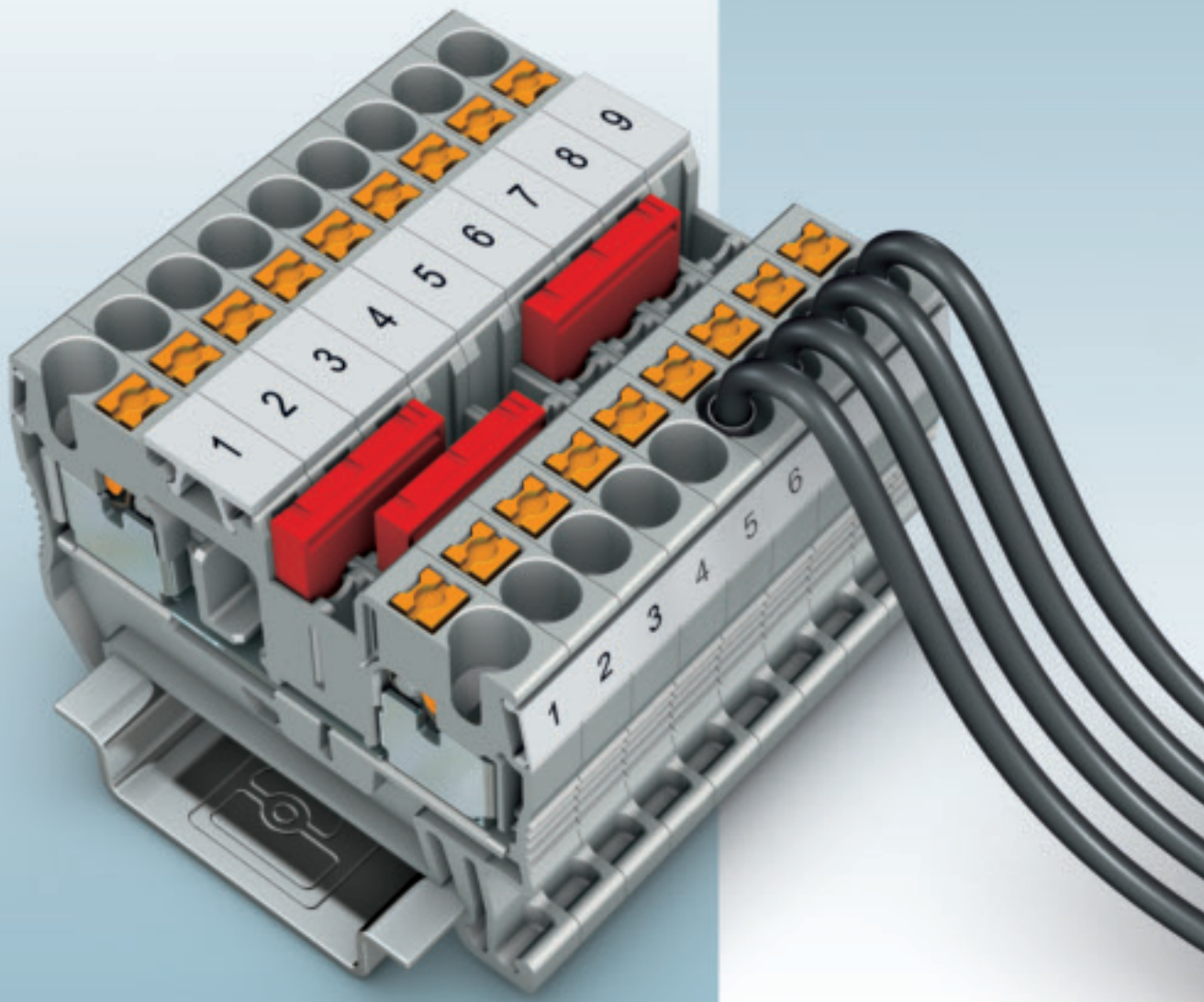
Industrial Connection Technology
Marking Systems and Mounting Material

CLIPLINE



PHOENIX CONTACT
INSPIRING INNOVATIONS

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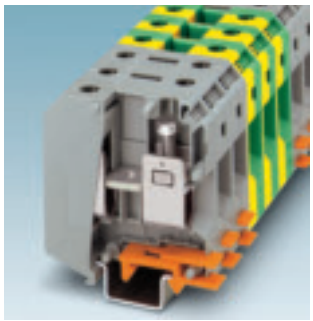
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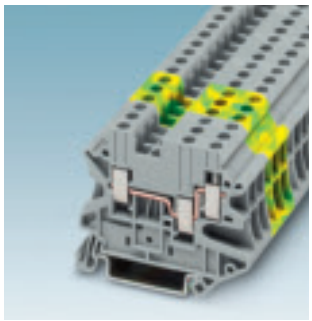
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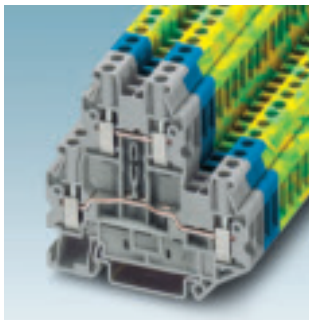
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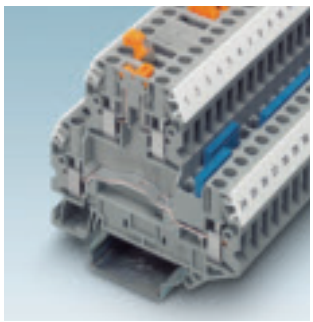
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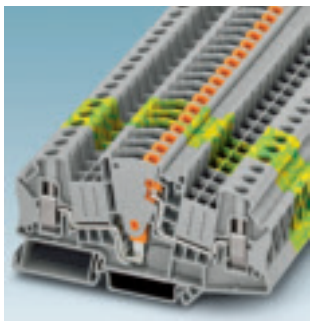
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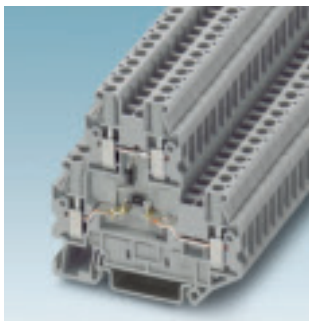
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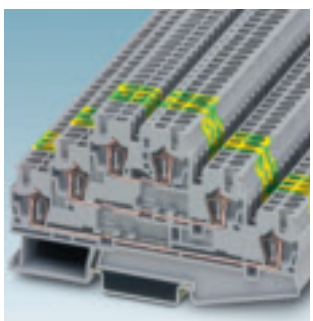
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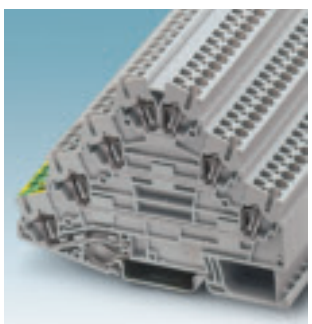
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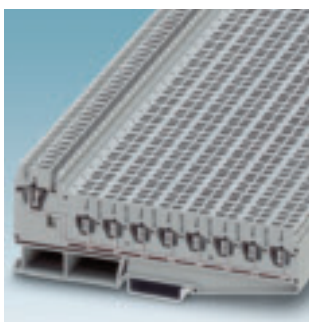
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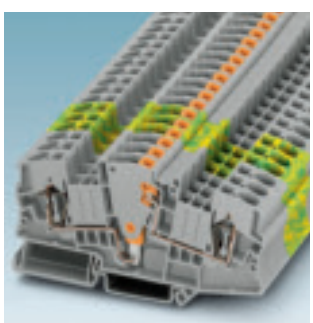
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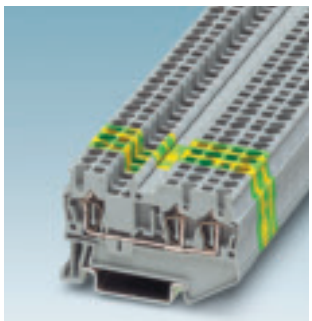
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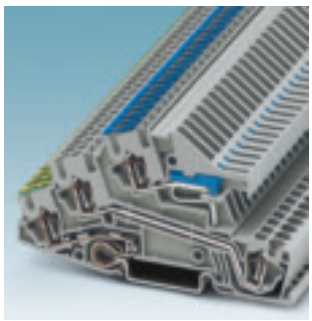
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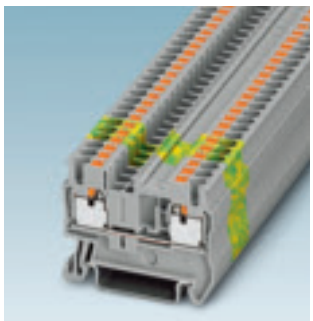


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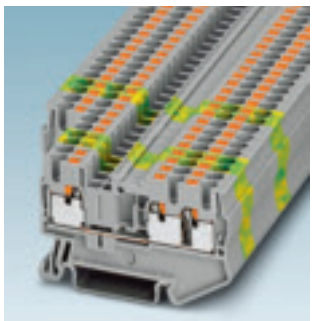


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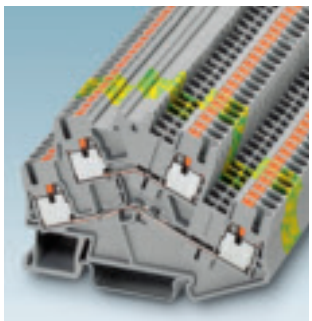
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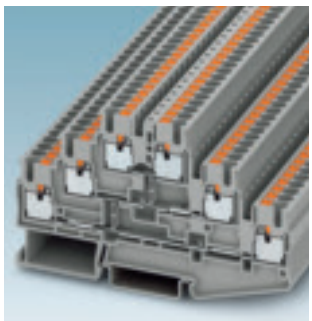
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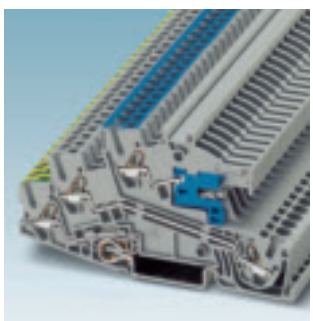


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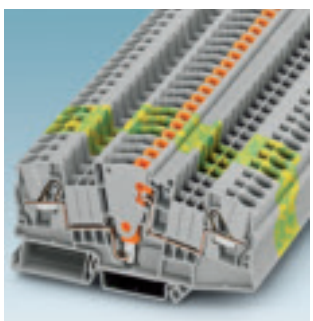


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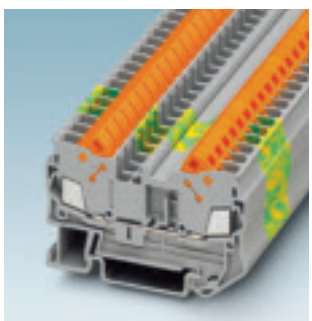
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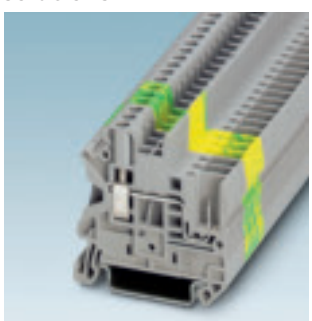
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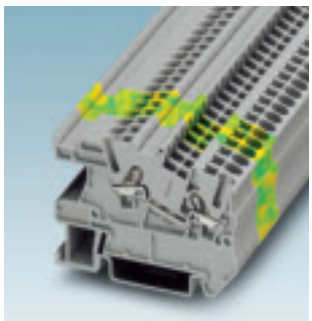
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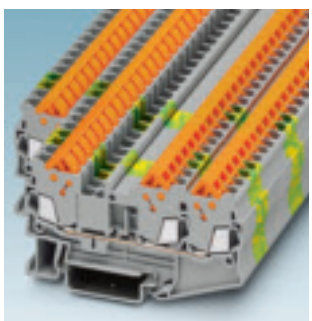
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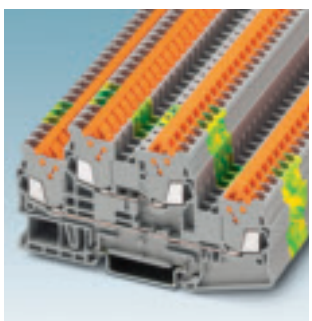
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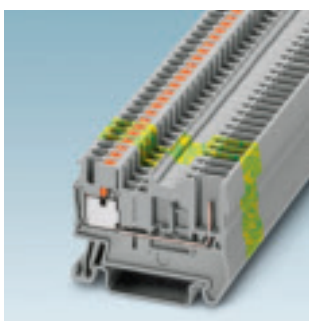
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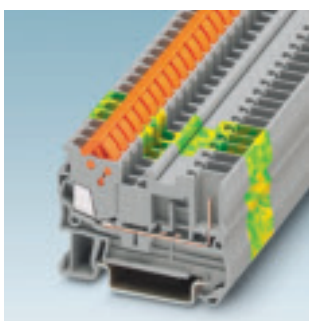
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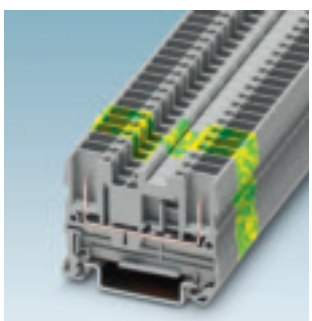
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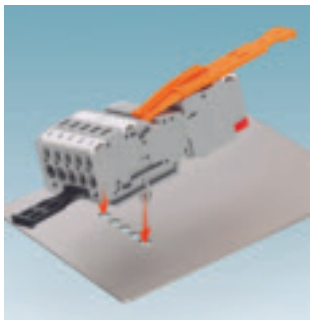
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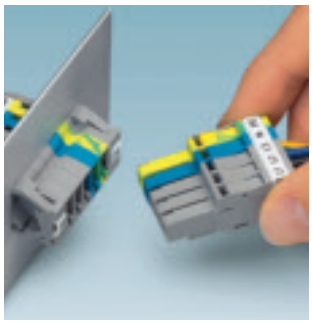
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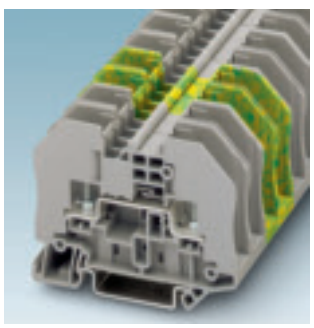
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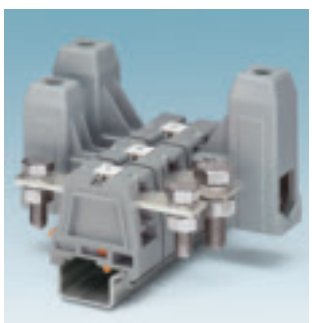
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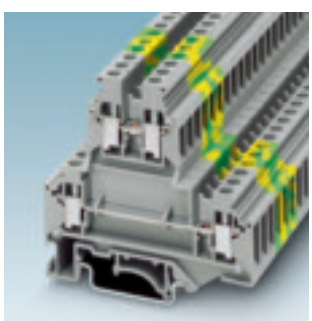
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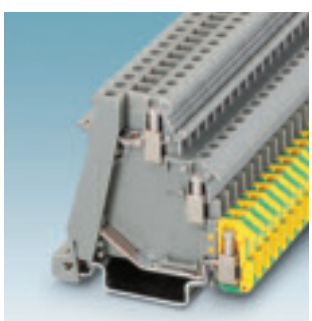
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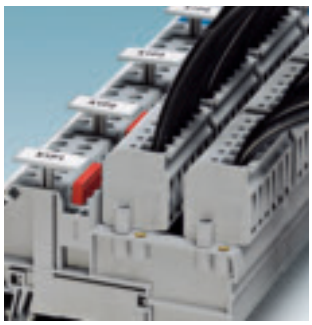
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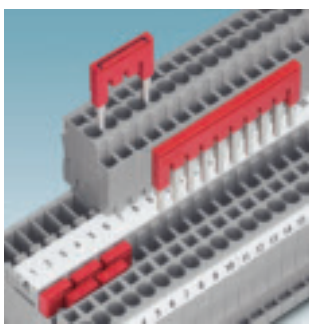
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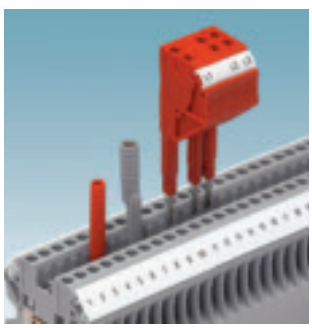
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CLIPLINE complete accessories



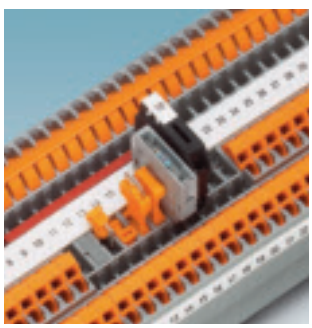
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Test accessories

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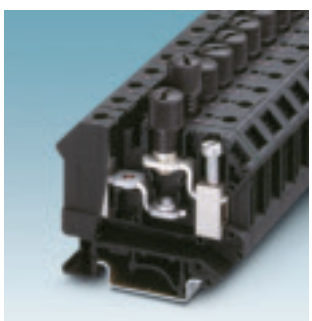
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Lever-type fuse terminal blocks

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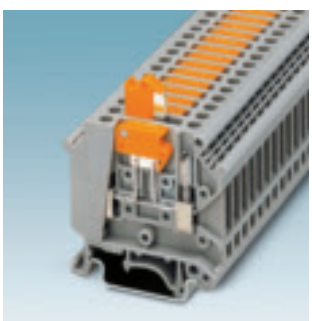
Screw cap fuse terminal blocks

UK...-DREHSI **Page 374**



Fuse terminal blocks for NEOZED^{V} and DIAZED^{V} fuse inserts

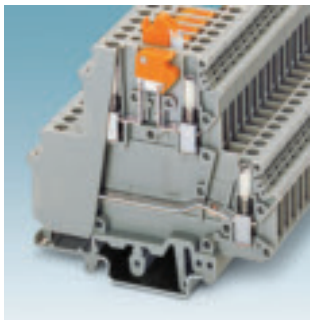
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Knife disconnect terminal blocks

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Double-level knife disconnect terminal blocks

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Basic terminal block for disconnect and component connectors

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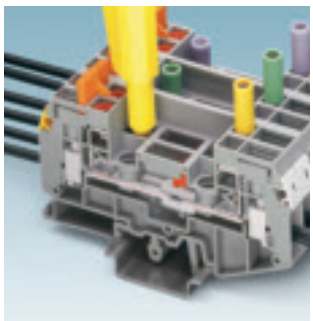
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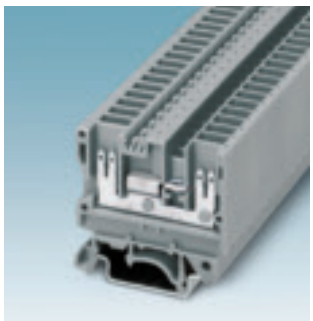
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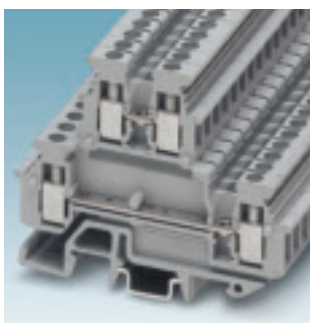
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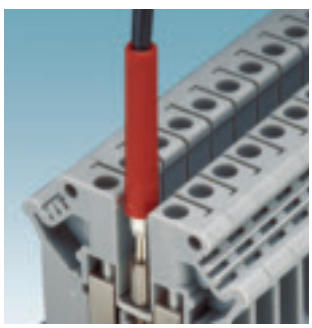
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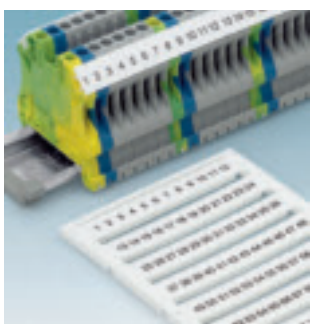
Feed-through terminal blocks



Feed-through terminal blocks

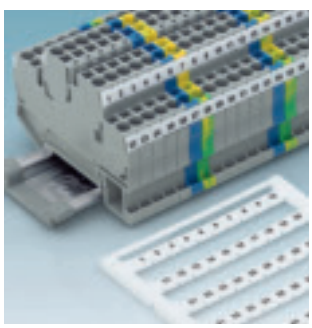
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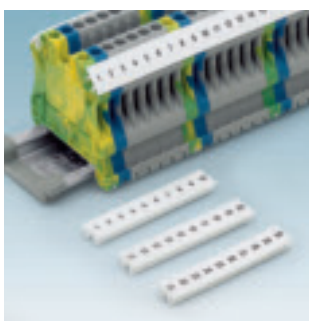
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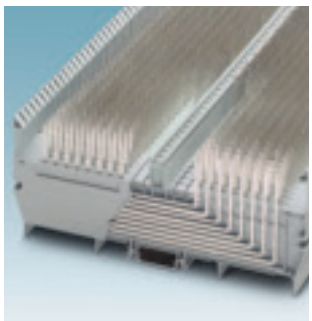
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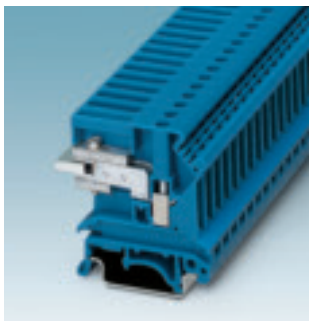
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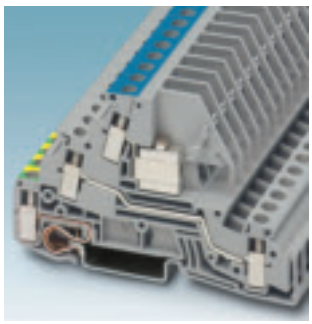
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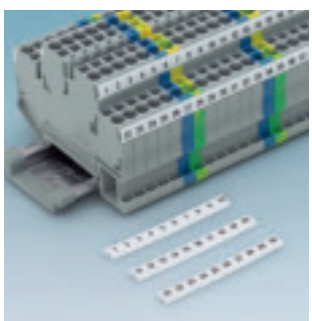
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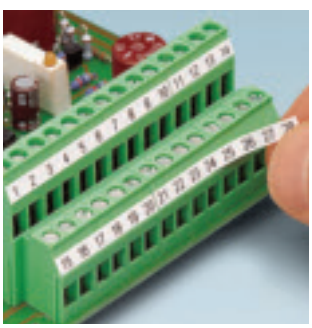
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MARKING system



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UniCard sheets for labeling terminal blocks of other manufacturers
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UniCard sheets for labeling terminal blocks of other manufacturers
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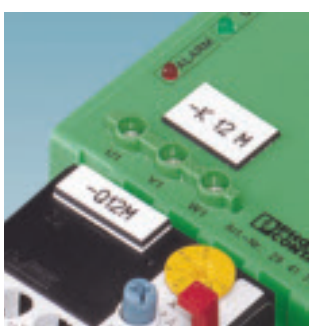
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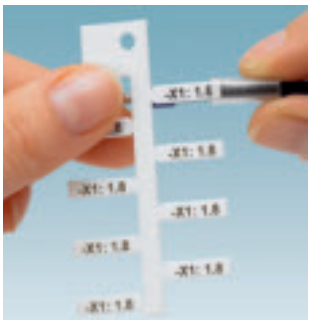


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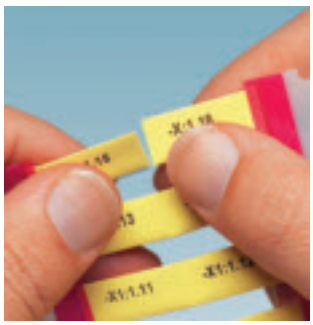
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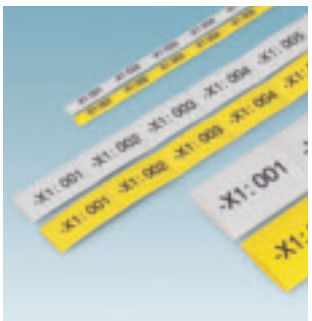
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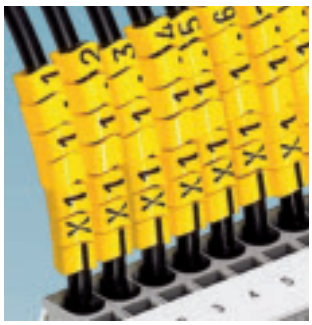
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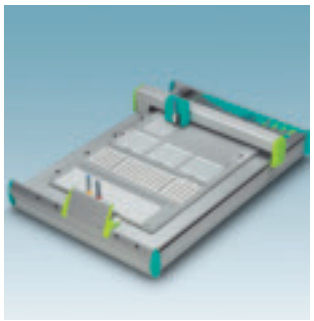
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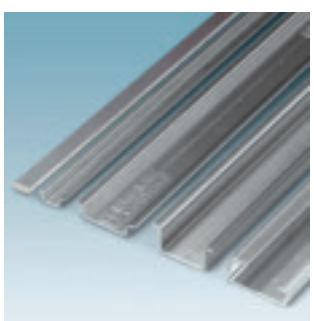
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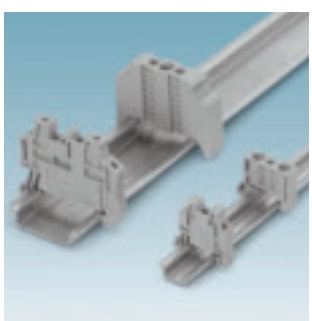
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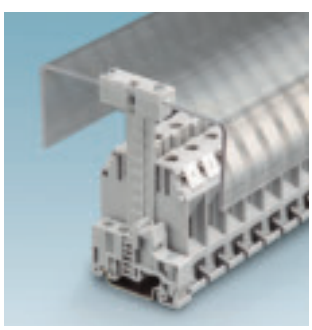
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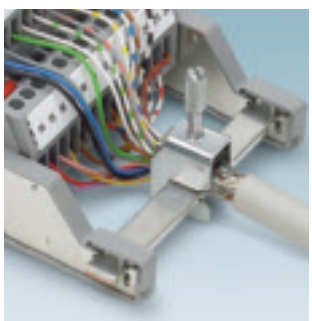
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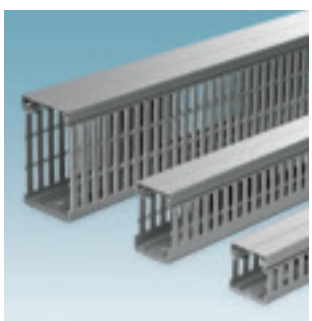
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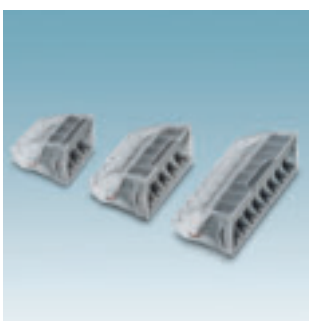
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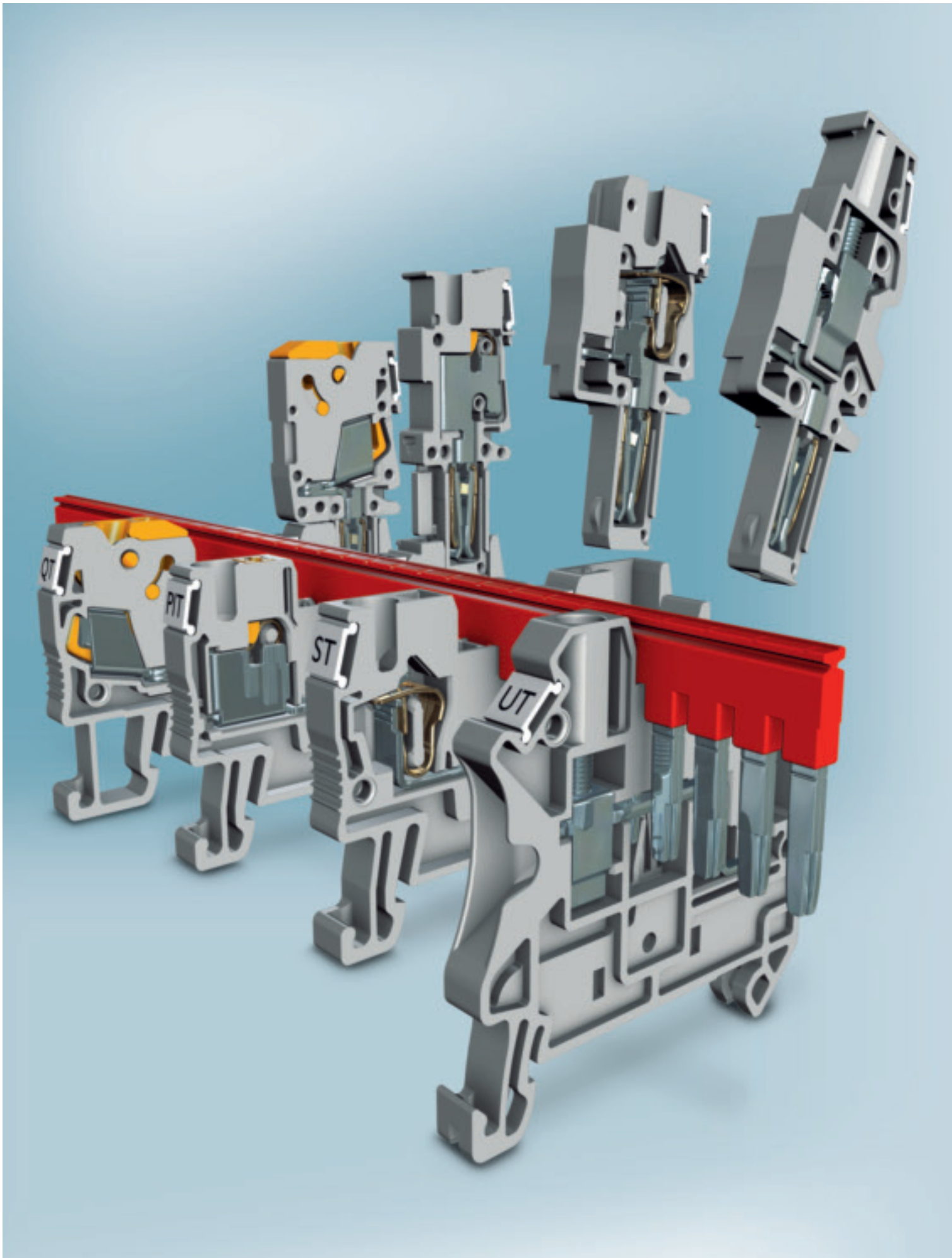
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QTT
PTT
ST
UT

The modular terminal block system
CLIPLINE complete

With the unique modular terminal block system from Phoenix Contact, the user has a free choice of connection method. Irrespective of whether you opt for the screw, spring-cage, push-in, fast or bolt connection, all of these connection methods can be freely combined with each other using the same accessories as a result of the double bridge shaft.

Bridging, labeling and test accessories are standardized and reduce storage costs.

The CLIPLINE complete system includes the following connection types:

- UT universal screw connection
- ST compact spring-cage connection
- PIT simple push-in connection
- QT fast QUICKON connection
- COMBI pluggable connection solutions
- RT rugged bolt connection

The CLIPLINE complete modular terminal block system also has a large number of national and international approvals. The maximum safety offered by this standard is achieved by routine testing of the standard CLIPLINE complete modular terminal blocks as per the ATEX guideline. These terminal blocks have been approved and labeled for use in potentially explosive areas.

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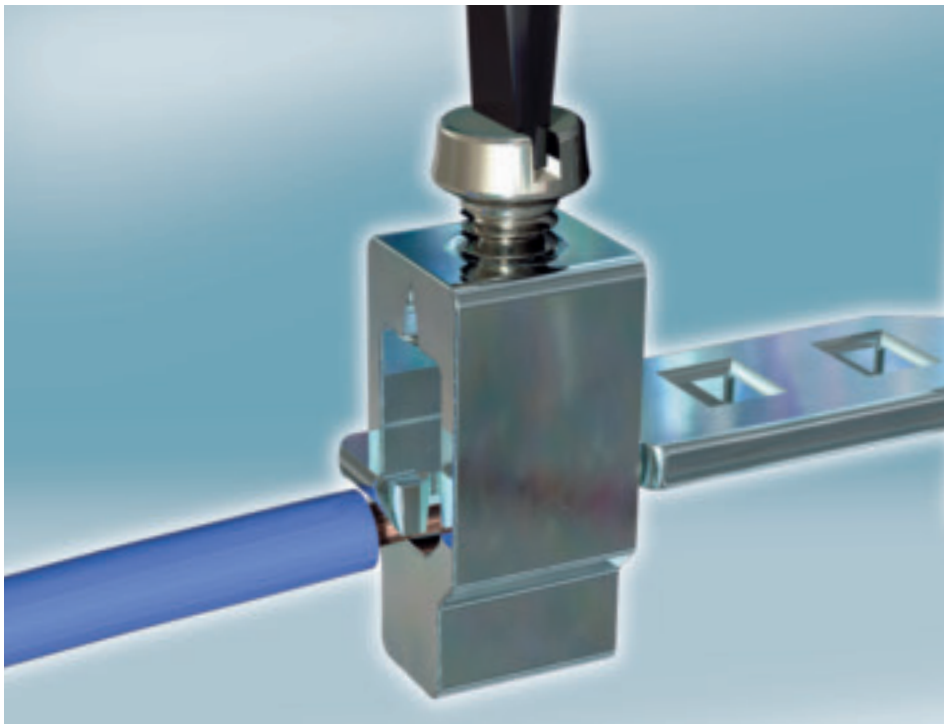
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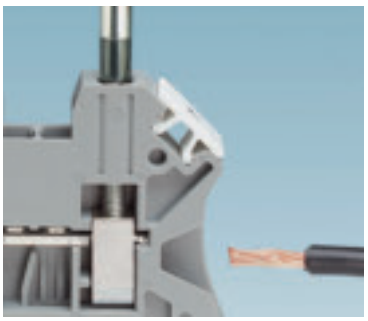
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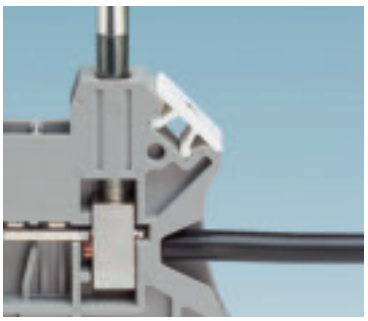
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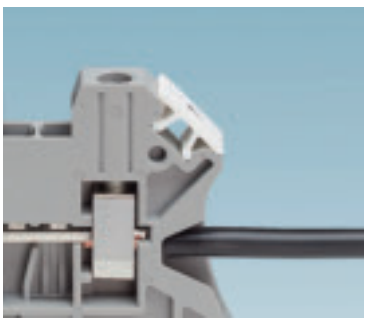
Accessories of the CLIPLINE complete system 328

System features | Screw connection









Material properties

The metal parts of the screw terminal blocks are made of high-grade, strain-crack and corrosion-proof copper alloys as a standard feature. This eliminates the possibility of electrolytic corrosion in the presence of moisture and the risk of rusting. The consequences, such as unreliable electrical contacts and/or jammed screws, are also prevented. A further advantage is the low temperature rise due to good electrical conductivity. The surface of the metal parts is protected by a lead-free, galvanic nickel or tin plating.

The insulating housings of the screw terminal blocks are made of recyclable PA 6.6. This elastic plastic with high impact strength is halogen-free and UV-resistant. Further characteristics are the good tropical and termite resistance, high chemical resistance and the excellent aging characteristics. Polyamide 6.6 can be used with operating temperatures of up to 130 °C and is certified for the inflammability class V0 in accordance with UL 94.

Connection principle

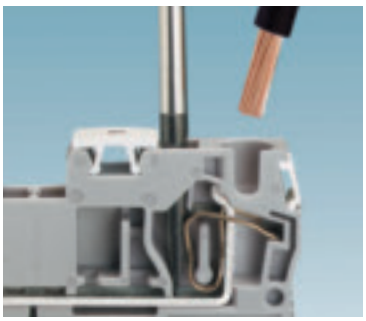
Phoenix Contact screw terminal blocks are designed for very high demands. An important characteristic is the maintenance-free conductor connection. It is not necessary to tighten the terminal block screws. The screws are prevented from loosening by the "Reakdyn principle", a screw locking technique developed by Phoenix Contact.

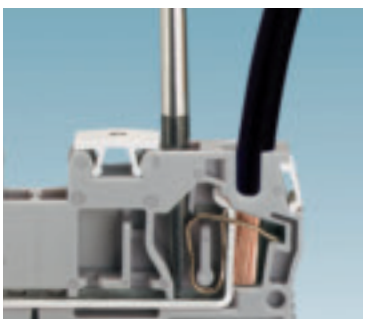
All kinds of copper conductors can be clamped without pretreatment. Splicing protection can also be implemented in the form of ferrules. A special characteristic of the screw terminal block body is the multi-conductor connection, which is often necessary.

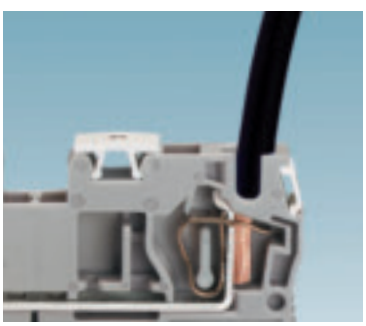
Very large conductor cross-sections of up to 240 mm^2 can also be wired gas-tight and with long-term stability thanks to the high contact forces.

System features | Spring-cage connection









Material properties

All metal parts of the spring-cage terminal blocks are made of corrosion-free materials. The current-carrying metals consist of high-grade copper alloys. Especially advantageous is the low temperature rise due to good electrical conductivity. The surface is protected by a lead-free, galvanic nickel or tin plating.

The contact force for the spring-cage connection is applied by a spring element made of high-strength chromium-nickel spring steel.

The insulating housings of the spring-cage terminal blocks are made of recyclable PA 6.6. This elastic plastic with high impact strength is halogen-free and UV-resistant. Further characteristics are the good tropical and termite resistance, high chemical resistance and the excellent aging characteristics. Polyamide 6.6 can be used with operating temperatures of up to 130 °C and is certified for the inflammability class V0 in accordance with UL 94.

Connection principle

Spring-cage terminal blocks from Phoenix Contact have been developed for universal spring-loaded conductor contacting.

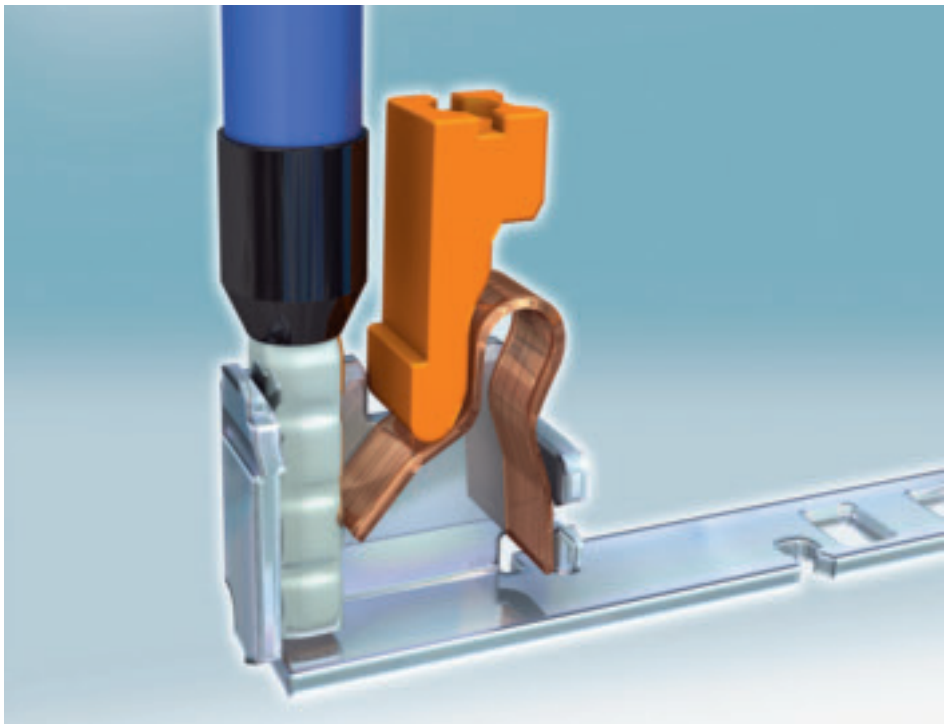
The contact force is independent of the user and creates a vibration-proof, gas-tight connection with long-term stability.

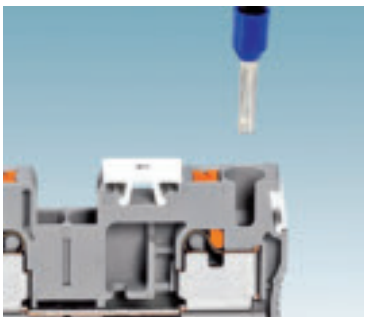
The terminal point is opened with a standard screwdriver. After the conductor is inserted into the clamping space, the screwdriver is removed and the conductor makes contact automatically. The easy operation is a result of the front connection, i.e. the conductor and screwdriver come in parallel from the same direction.

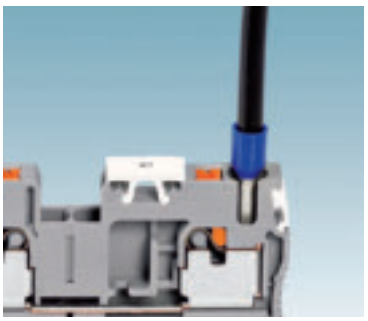
All kinds of copper conductors up to 35 mm^2 can be clamped without pretreatment. Splicing protection can also be implemented in the form of ferrules.

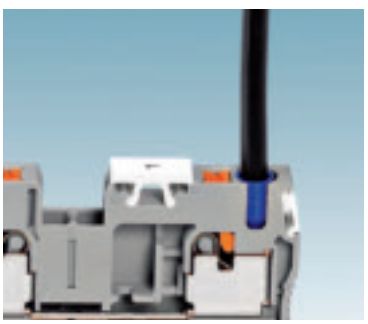
Phoenix Contact spring-cage terminal blocks offer a large insertion space, i.e. conductors with ferrules with insulating collars can also be wired in the nominal cross-section.

System features | Push-in connection









Material properties

All metal parts of the push-in terminal blocks are made of corrosion-free materials. The current-carrying metals consist of high-grade copper alloys. Especially advantageous is the low temperature rise due to good electrical conductivity. The surface is protected by a lead-free, galvanic nickel or tin plating.

The contact force for the push-in connection is applied by a leg spring made of high-strength chromium-nickel spring steel.

The insulating housings of the terminal blocks are made of recyclable PA 6.6. This elastic plastic with high impact strength is halogen-free and UV-resistant. Further characteristics are the good tropical and termite resistance, high chemical resistance and the excellent aging characteristics. Polyamide 6.6 can be used with operating temperatures of up to 130 °C and is certified for the inflammability class V0 in accordance with UL 94.

Connection principle

Phoenix Contact push-in terminal blocks PIT have been developed for direct conductor connection. This means that solid conductors or conductors with ferrules can be directly inserted into the terminal block without tools.

The special spring contour allows easy plugging of conductors with ferrules of 0.34 mm^2 and up. The contact spring is automatically opened when the conductor is pushed in and thereby ensures the required pressure force against the current bar. The spring is opened - for loosening conductors or for connecting small cross-sections of 0.14 mm^2 and up - using the actuation lever. This can be actuated using all conventional screwdrivers.

The technical data of the PIT terminal blocks clearly surpasses the requirements of the relevant standards, as with all other connection methods from Phoenix Contact.

The gas-tight conductor contacting also fulfills special criteria such as the vibration test in accordance with the railway standard EN 50155.

System features | Fast connection









Material properties

The patented contact metals of the QT fast connection terminal blocks consist of a special, high-grade copper alloy. This combines good electrical conductivity with excellent elastic characteristics.

The surface of the metal parts is protected by a lead-free, galvanic nickel or tin plating.

The insulating housings of the fast connection terminal blocks are made of recyclable PA 6.6. This elastic plastic with high impact strength is halogen-free and UV-resistant. Further characteristics are the good tropical and termite resistance, high chemical resistance and the excellent aging characteristics. Polyamide 6.6 can be used with operating temperatures of up to 130 °C and is certified for the inflammability class V0 in accordance with UL 94.

Connection principle

QUICKON modular terminal blocks are designed for fast conductor connection. Stripping and fitting splicing protection are no longer necessary; the conductors only have to be cut to the correct length and can then be contacted within seconds.

An important characteristic is the space-saving displacement connection. Due to the simplicity of the connection, the wiring time is reduced by up to 60%.

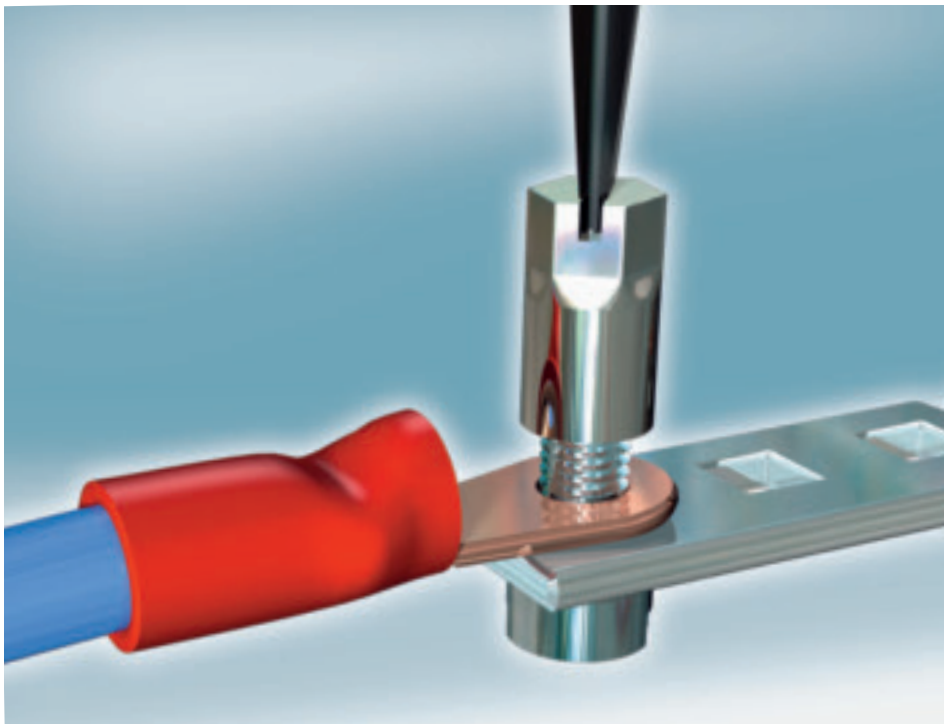
During operation with a standard screwdriver, the switching states are clearly signaled by engagement points at the start and end position.

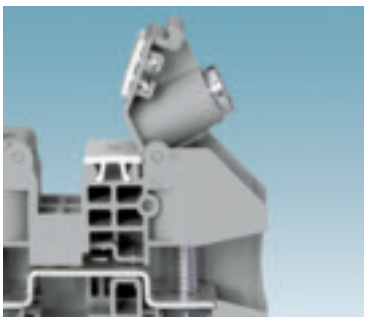
Solid and stranded conductors of 0.25 to 2.5 mm^2 can be wired without aids such as guide ferrules.

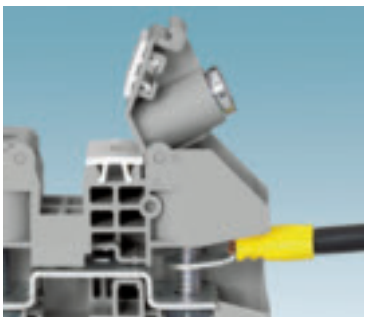
When a conductor is connected, the conductor insulation is cut open, displaced and the conductor is securely engaged in the end position where it makes large-area, gas-tight contact.

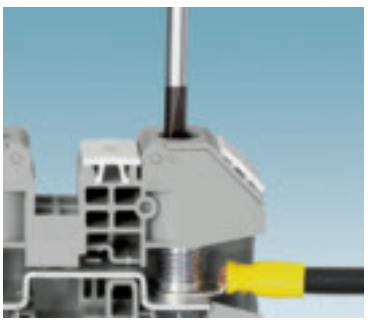
The high quality of the QUICKON fast connection is verified by the fact that this connection is certified in accordance with the standard for Ex e applications, as are the screw and spring-cage connections.

System features | Bolt connection









Material properties

All metal parts of the bolt connection terminal blocks are made of corrosion-free materials. The current-carrying metals consist of high-grade copper alloys. Due to their good electrical conductivity, they ensure a low temperature rise. The surface is protected by a lead-free, galvanic nickel or tin plating.

The insulating housings of the bolt connection terminal blocks are made of recyclable PA 6.6. This elastic plastic with high impact strength is halogen-free and UV-resistant. Further characteristics are the good tropical and termite resistance, high chemical resistance and the excellent aging characteristics.

Polyamide 6.6 can be used with operating temperatures of up to 130 °C and is certified for the inflammability class V0 in accordance with UL 94.

Connection principle

The rugged bolt connection terminal blocks from Phoenix Contact have been developed for the convenient wiring of ring cable lugs. An important characteristic is the integrated screw locking with a spring lock washer. This prevents it from loosening on its own, thus making the connection maintenance-free.

The cap nuts of this series are held securely in the hinged folding wings.

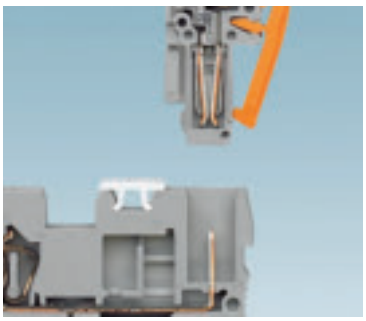
All ring cable lugs in accordance with DIN 46234, DIN 46235 or DIN 46237 can be connected.

A special characteristic of the bolt connection is the multi-conductor connection, which is often necessary. Up to four cable lugs can be positioned on one bolt depending on the design.

All types of conductors of up to 240 mm^2 can thus be wired securely and with long-term stability.

System features | Plug connection









Material properties

All metal parts of the COMBI connectors are made of corrosion-free materials. The distinction between the electrical and mechanical functions is especially advantageous. The current-carrying metals consist of high-grade copper alloys. The surface is protected by a lead-free, galvanic nickel or tin plating. The high current carrying capacity of the contact is achieved by an integrated covering spring made of chromium-nickel spring steel.

The insulating housings of the COMBI connectors are made of recyclable PA 6.6. This elastic plastic with high impact strength is halogen-free and UV-resistant. Further characteristics are the good tropical and termite resistance, high chemical resistance and the excellent aging characteristics.

Polyamide 6.6 can be used with operating temperatures of up to 130 °C and is certified for the inflammability class V0 in accordance with UL 94.

Connection principle

COMBI connectors are designed for high and universal demands as regards pluggability. The nominal current of the connected conductor can always be led through the plug-in contact.

The uniform plug-in zone is an important characteristic. As a result the connectors and basic terminal blocks with four connection methods can be freely combined with each other.

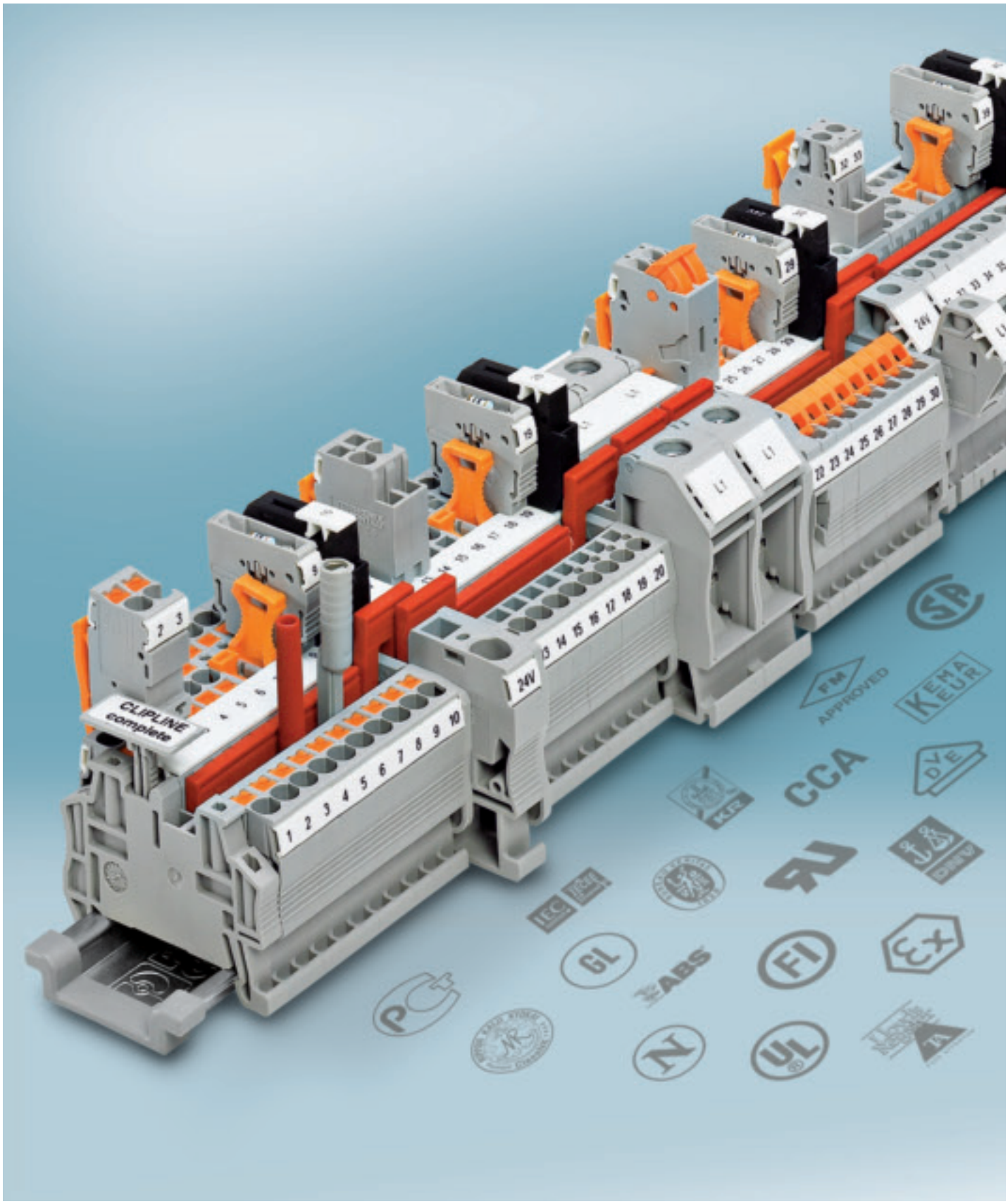
The modular structure additionally enables individual self-assembly of the connectors and the couplings.

All kinds of copper conductors can be connected without pretreatment. Splicing protection can also be implemented in the form of ferrules.

COMBI connectors of all connection methods offer a large insertion space, i.e. conductors with ferrules with insulating collars can also be wired in the nominal cross-section.

CLIPLINE complete

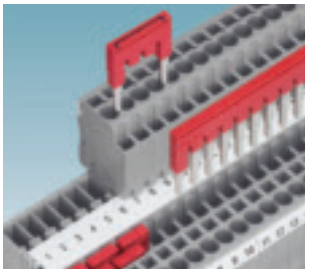
All connection methods, one system



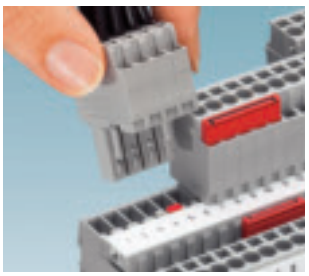
General

The CLIPLINE complete system offers a uniform range of accessories for all connection methods. Bridging, labeling and test accessories are standardized and reduce logistics costs. In addition, all the modular terminal blocks of the CLIPLINE complete system can be freely combined with each other using the double bridge shaft. The standardized plug-in zone of the COMBI basic terminal blocks also allows modules to be connected independently of the connection method using individually configurable connectors.

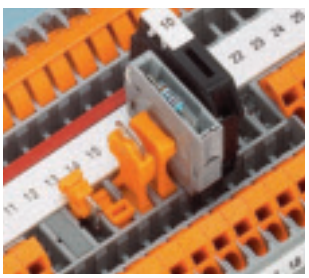
CLIPLINE complete modular terminal blocks with screw, spring-cage, push-in, bolt and plug-in connections enable you to react flexibly to the demands of your customers anywhere around the globe.



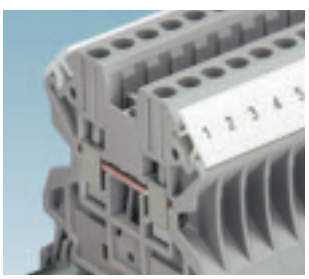
Bridging



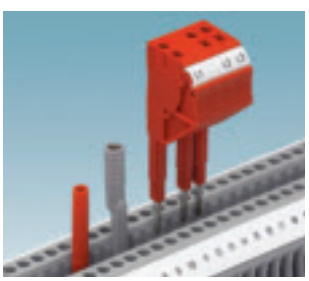
Plugging in



Disconnecting



Labeling



Testing

Flexible plug-in bridge system

The same plug-in bridge for all connection methods. To allow fast and individual potential distribution, the terminal blocks of the CLIPLINE complete system have two bridge shafts. These are arranged in one line over all the terminal blocks, allowing the connection methods to be combined. The 2 to 50-pos. plug-in bridges make it possible to implement all the tasks of potential bridging within a very short time. Reducing bridges can be used to connect a 10 mm^2 UT screw terminal block to a 2.5 mm^2 ST spring-cage terminal block, for example.

Pluggable connection solutions

The COMBI plug-in system is also a part of CLIPLINE complete. Like the modular terminal blocks, the COMBI connectors are available with screw, spring-cage, push-in and fast connection methods.

The nominal data of up to 32 A and 800 V has made a signal and power wiring system possible. The contact system complies with the most severe demands regarding vibration and is designed to be touch-proof both in the terminal blocks and in the connectors.

Extensive accessories from the snap-lock device right up to shield connection are available.

Multifunctional disconnect zone

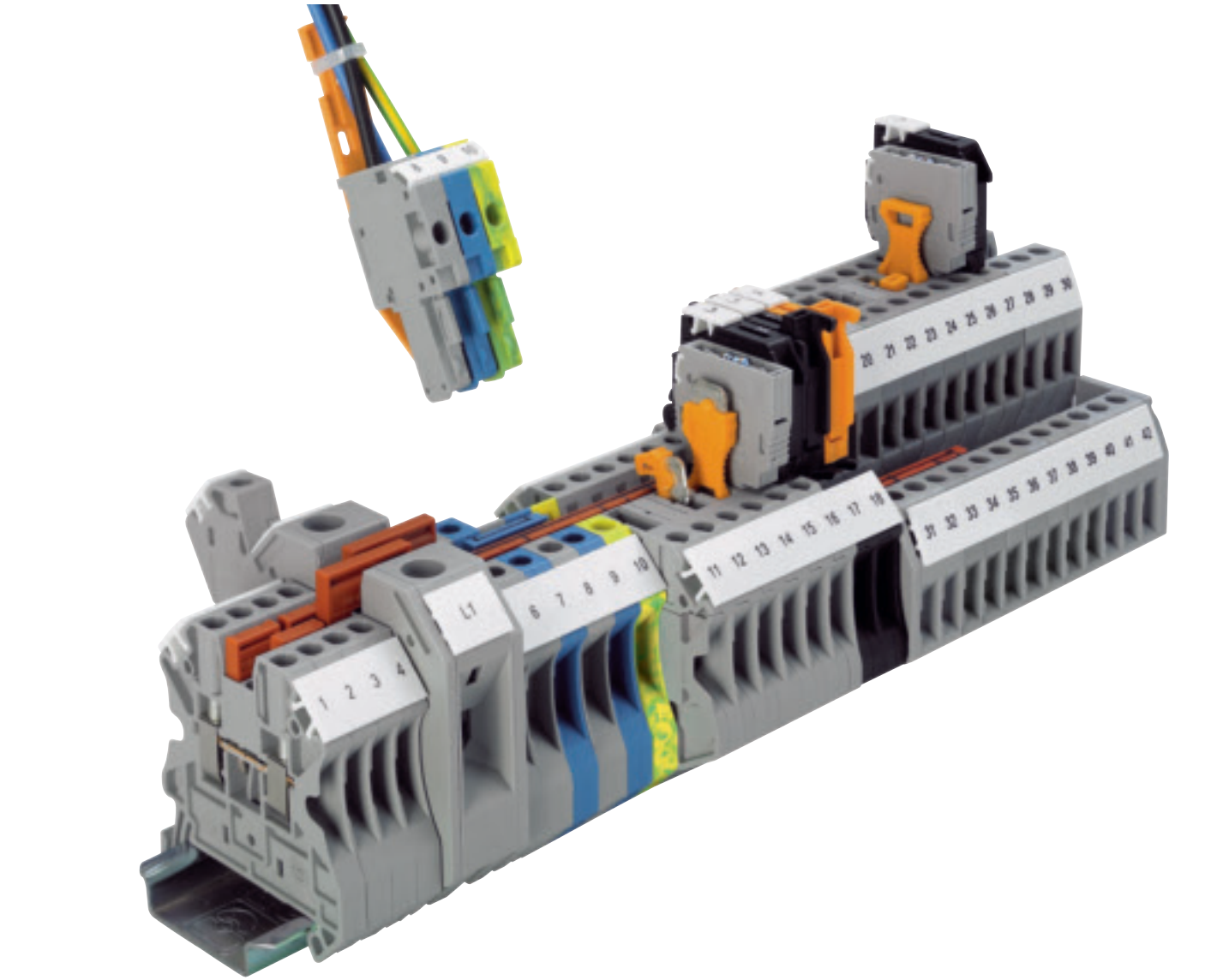
All the disconnect terminal blocks of the CLIPLINE complete system have a standardized disconnect zone. Various function connectors are available for use in the disconnect terminal blocks. Isolating connectors are used for simple disconnection. The fuse connectors are designed for the use of cartridge fuse inserts. The patented component connectors make it possible to mount components fast, without the risk of polarity reversal and without the need for soldering.

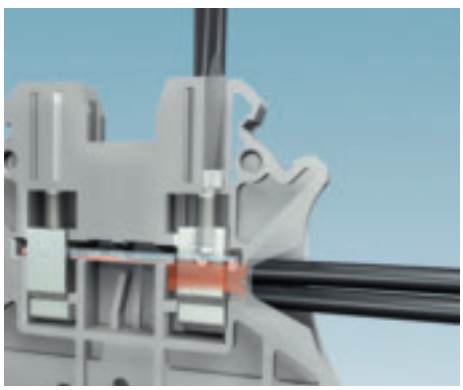
Large-surface labeling

All the terminal points of terminal blocks in the CLIPLINE complete system have generously sized labeling options. This is a precondition for clear wiring and startup and simplifies tracing during testing and maintenance work. Optional large-surface snap-on marker carriers are available for group and terminal strip labeling.

Standardized testing system

Comprehensive test accessories are available in the CLIPLINE complete system. All test plugs make contact in the freely accessible bridge shaft. A 2.3 mm ø test plug is available for individual measuring conductors. More complex testing tasks can be implemented using modular test plugs. The corresponding spacers can be used to assemble test adapters individually and are perfectly suitable for use in test bays.





Universal and maintenance-free

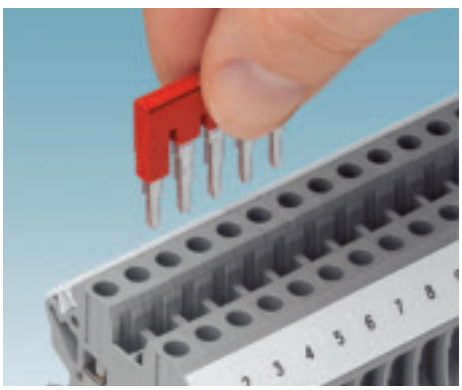
The screw connection is characterized by three main features:

– Worldwide standard
– Multi-conductor connection
– Maintenance-free "Reakdyn principle"



Snap-on PE foot

Ground terminal blocks of the same shape are simply snapped onto the DIN rail to make contact. This mechanically and electrically efficient contacting meets all the requirements of the IEC 60947-7-2 standard.

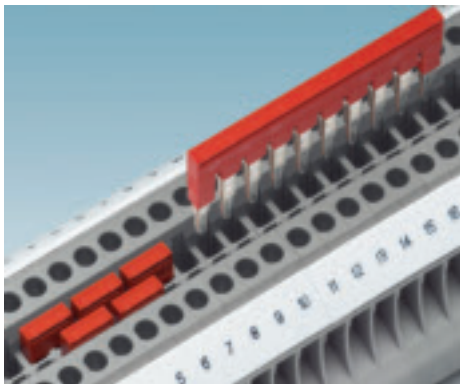


Flexible plug-in bridge system

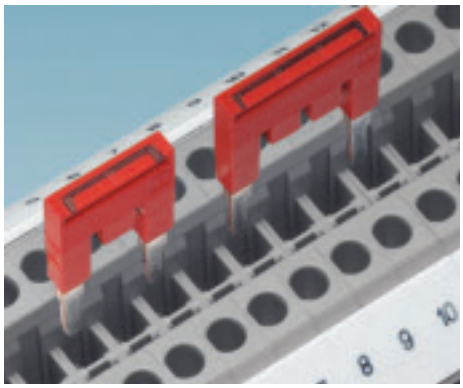
Standardized plug-in bridges allow potential distribution to be implemented quickly. Two bridge shafts in all terminal blocks make flexible chain bridging, step bridging or bridging between non-adjacent terminal blocks possible.



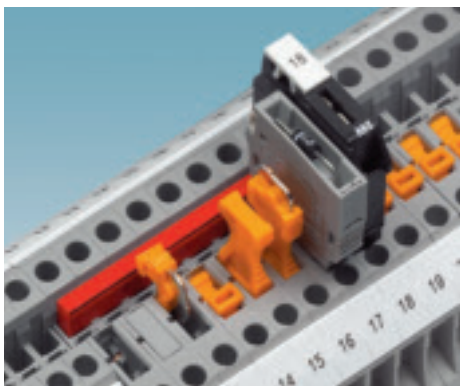
The reducing bridge permits simple connection of terminal blocks with different nominal cross-sections, e.g. a UT 10 terminal block with a UT 2,5. Power blocks can be set up quickly with the reducing bridge.



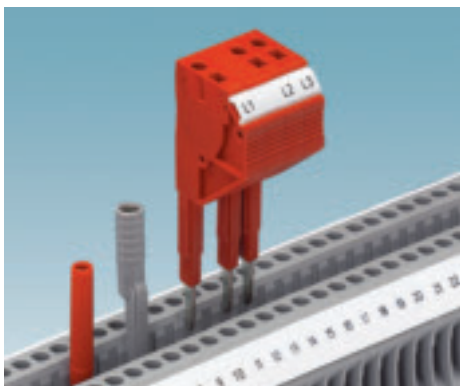
With the double bridge shaft, any number of terminal blocks can be connected with each other using two-pos. bridges. The 2 to 50 pos. bridges permit bridging of up to 50 terminal blocks in one step.



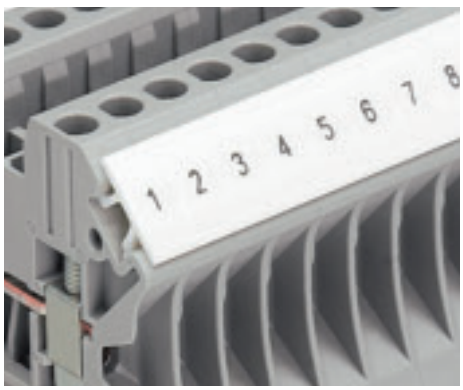
Non-adjacent terminal blocks can be bridged by breaking off individual contact tabs from the standard bridge. In this way, two potentials can be led in parallel through one terminal strip. The contact points can also be marked.



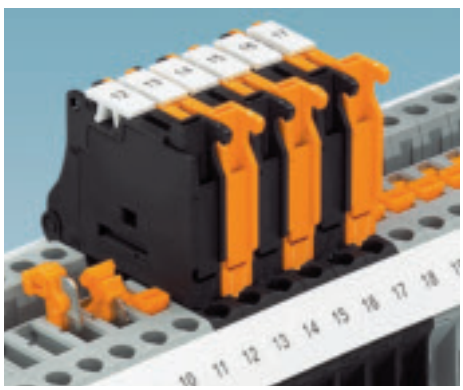
The P-FIX insulated through connectors, P-DI isolating connectors, P-CO component connectors and P-FU cartridge fuse connectors can be used in the universal plug-in zone of the disconnect terminal block.



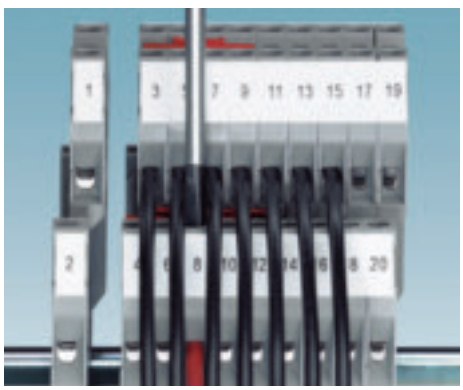
A 2.3 mm Ø test plug is available for measuring lines. All measurement and testing tasks can be completed faster using test adapters for 4 mm Ø test plugs and the modular test plugs.



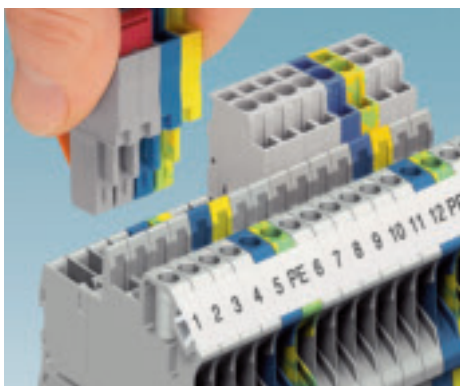
The large and clear marking of the terminal points is the prerequisite for safe and fast installation. In the UT series, each terminal point can be labeled individually.



UT 4-MTD disconnect terminal blocks and feed-through terminal blocks of the same shape as the fuse terminal blocks are available. All terminal blocks can be bridged seamlessly between each other using the double bridge shaft.



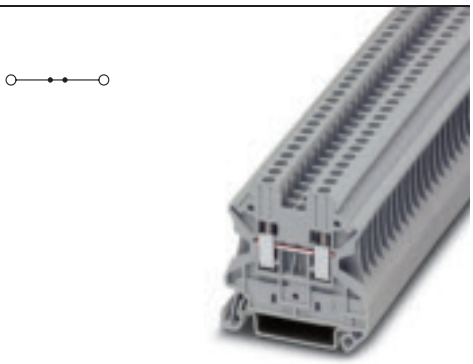
The offset levels of the double-level terminal blocks allow unhindered access to the lower connection level even in a fully wired state.



UT-COMBI terminal blocks allow signal and power wiring to be made pluggable. The system is touch proof and also features self-assembly connectors with a wide range of accessories. See chapter "COMBI", page 238.

UT... feed-through terminal blocks





UT 2,5 ...

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) For information on installation for using accessories for Ex e applications, see page 720.

[2]) The reducing bridge table should be followed, see page 332.

The UT screw terminal block series features a compact design and ideal handling. They are available in conductor cross-section ranges of 2.5 mm² to 35 mm² and can be labeled with zack marker strips.

The double bridge shaft allows individual chain bridging by means of standard plug-in bridges.

Corresponding CLIPLINE complete standard accessories are available for testing and labeling.

Ground terminal blocks with the same shape and pitch round off the range. Reliable mechanical and electrical contacting to the DIN rail is established by simply snapping the terminal block onto the rail.

The UT...-PE ground terminal blocks meet all the requirements of the standard IEC 60947-7-2.

For suitable torque screw drivers, see page 646.

Ex: KEMA 04ATEX2048 U / IECEx KEM 06.0027U

Dimensions		Width	Length	Height NS 35/7,5
	[mm]	**5.2**	**47.7**	**47.5**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²] / AWG
		32	**1000**	**0.14 - 4 / 26 - 12**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA / IEC/ EN 60079-7
Rated voltage	[V]	1000	600	600 / 690
Nominal current / cross-section	[A] / [mm²]	24 / 2.5	20 / -	20 / - / 22 / 2.5 // 28 / 4
Rated cross-section	[mm²]	2.5	-	- / 2.5
Cross-section range	AWG	26 - 12	26-12	26-12 / 26 - 12
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve
One conductor	[mm²]	0.14 - 4	0.14 - 4	0.14 - 2.5 / 0.14 - 2.5
Two conductors (of the same type)	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5 / -
Two stranded conductors with a TWIN ferrule	[mm²]			- / 0.5 - 1.5
General data				
Stripping length	[mm]	9		
Screw thread		M3		
Tightening torque	[Nm]	0.6 - 0.8		
Insulating material		PA		
Inflammability class acc. to UL 94		V0		

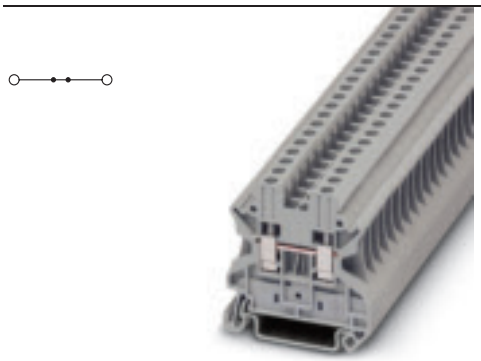
Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		Gray	**UT 2,5**		**3044076**	50
		Blue	**UT 2,5 BU**		**3044089**	50
		Orange	**UT 2,5 OG**		**3045046**	50
		Red	**UT 2,5 RD**		**3045062**	50
		Black	**UT 2,5 BK**		**3045088**	50

Accessories[1])

Pick-off terminal block, for snapping into the lateral guide		Gray				
Cover, width 2.2 mm		Gray	**D-UT 2,5/10**		**3047028**	50
Plug-in bridge for cross connections in the bridge shaft						
	2	Red	**FBS 2-5**	24 A	**3030161**	50
	3	Red	**FBS 3-5**	24 A	**3030174**	50
	4	Red	**FBS 4-5**	24 A	**3030187**	50
	5	Red	**FBS 5-5**	24 A	**3030190**	50
	10	Red	**FBS 10-5**	24 A	**3030213**	10
	20	Red	**FBS 20-5**	24 A	**3030226**	10
Reducing bridge, for connecting from UT to UT terminals[2])						
	2	Red				
Reducing bridge, for connecting from UT to PIT, ST or QTC terminal blocks[2])						
	2	Red				
Partition plate, for visual and electrical separation of terminal groups, 2 mm thick		Gray	**ATP-UT**		**3047167**	50
Test adapter, for 4 mm Ø PS test plug and 4 mm safety test plug, makes contact in the bridge shaft		Gray	**PAI-4**		**3030925**	10
Test plug, consisting of: metal part for 2.3 mm Ø socket hole and			**MPS-MT**		**0201744**	10
insulating sleeve for MPS metal part		Red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		Red	**PS-5**		**3030983**	10
Warning sign for UT series		Yellow	**WS UT 2,5**		**3047923**	10
Screwdriver			**SZS 0,6X3,5**		**1205053**	10
UniCard sheet, for labeling the lateral groove			**UC-TM 5 (see page 479)**			
Zack marker strip, for labeling the lateral groove			**ZB 5 (see page 487)**			



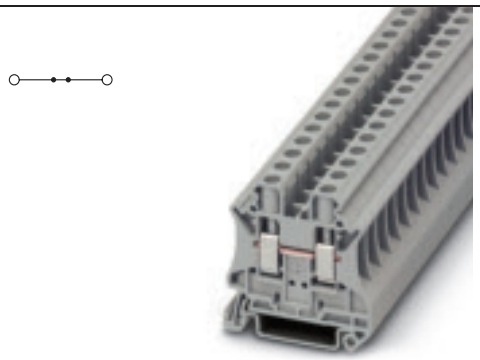


UT 4 ...

Ex: KEMA 04ATEX2048 U / IECEx KEM 06.0027U

Width	Length	Height NS 35/7,5	
6.2	**47.7**	**47.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
41	**1000**	**0.14 - 6**	**26 - 10**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
1000	600	600	690
32 / 4	30 / -	30 / -	30 / 4 // 38 / 6
4	-	-	4
26 - 10	26-10	26-10	26 - 10
Solid	Stranded	Ferrule without / with plastic sleeve	
0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
			0.5 - 2.5
9			
M3			
0.6 - 0.8			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
UT 4		**3044102**	50
UT 4 BU		**3044115**	50
UT 4 OG		**3045101**	50
UT 4 RD		**3045127**	50
UT 4 BK		**3045143**	50
D-UT 2,5/10		**3047028**	50
FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 10-6	32 A	**3030271**	10
FBS 20-6	32 A	**3030365**	10
ATP-UT		**3047167**	50
PAI-4		**3030925**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
WS UT 4		**3047332**	10
SZS 0,6X3,5		**1205053**	10
UC-TM 6 (see page 479)			
ZB 6 (see page 487)			

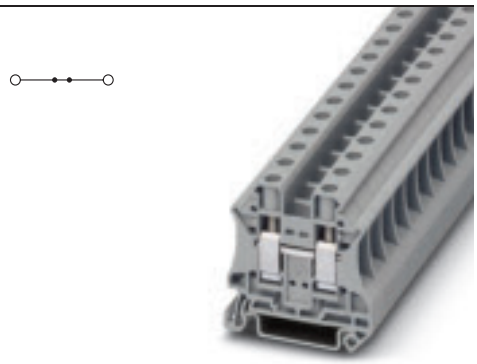


UT 6 ...

Ex: KEMA 04ATEX2048 U / IECEx KEM 06.0027U

Width	Length	Height NS 35/7,5	
8.2	**47.7**	**47.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
57	**1000**	**0.2 - 10**	**24 - 8**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
1000	600	600	690
41 / 6	50 / -	50 / -	40 / 6 // 50 / 10
6	-	-	6
24 - 8	24-8	24-8	24 - 8
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 10	0.2 - 10	0.25 - 6	0.25 - 6
0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
			0.5 - 4
10			
M4			
1.5 - 1.8			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
UT 6		**3044131**	50
UT 6 BU		**3044144**	50
UT 6 OG		**3045169**	50
UT 6 RD		**3045185**	50
UT 6 BK		**3045208**	50
D-UT 2,5/10		**3047028**	50
FBS 2-8	41 A	**3030284**	10
FBS 3-8	41 A	**3030297**	10
FBS 4-8	41 A	**3030307**	10
FBS 5-8	41 A	**3030310**	10
FBS 10-8	41 A	**3030323**	10
RB UT 6-(2,5/4)		**3047251**	10
RB UT 6-ST(2,5/4)		**3047264**	10
ATP-UT		**3047167**	50
PAI-4		**3030925**	10
PS-8		**3031005**	10
WS UT 6		**3047345**	10
SZS 1,0X4,0		**1205066**	10
UC-TM 8 (see page 479)			
ZB 8 (see page 489)			



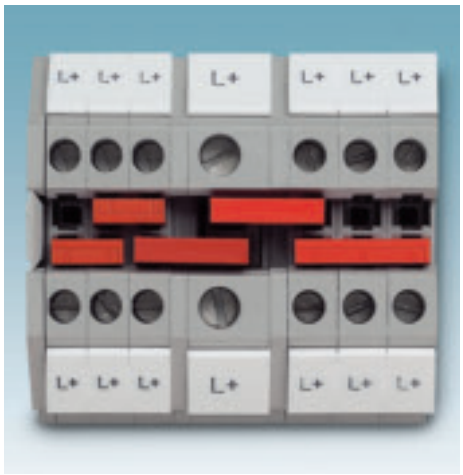
UT 10 ...

Ex: KEMA 04ATEX2048 U / IECEx KEM 06.0027U

Width	Length	Height NS 35/7,5	
10.2	**47.7**	**47.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
76	**1000**	**0.5 - 16**	**20 - 6**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
1000	600	600	690
57 / 10	65 / -	65 / -	54 / 10 // 69 / 16
10	-	-	10
20 - 6	20-6	20-6	20 - 6
Solid	Stranded	Ferrule without / with plastic sleeve	
0.5 - 16	0.5 - 16	0.5 - 10	0.5 - 10
0.5 - 4	0.5 - 4	0.5 - 2.5	-
			0.5 - 6
10			
M4			
1.5 - 1.8			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
UT 10		**3044160**	50
UT 10 BU		**3044188**	50
UT 10 OG		**3046281**	50
UT 10 RD		**3046304**	50
UT 10 BK		**3046320**	50
AGK 4-UT 10		**3047112**	50
D-UT 2,5/10		**3047028**	50
FBS 2-10	57 A	**3005947**	10
RB UT 10-(2,5/4)		**3047060**	10
RB UT 10-ST(2,5/4)		**3047086**	10
ATP-UT		**3047167**	50
WS UT 10		**3047361**	10
SZS 1,0X4,0		**1205066**	10
UC-TM 10 (see page 480)			
ZB 10 (see page 489)			

UT... feed-through terminal blocks



For large conductor cross-sections, Phoenix Contact offers screw terminal blocks from 6 to 35 mm². The double bridge shaft not only allows individual chain bridging, but also step down bridging to screw terminal blocks with smaller cross-sections. Potential infeeds and potential distribution can easily be implemented in this way using RB UT... reducing bridges.

AGK 4-UT... pick-off terminal blocks

The fully insulated "pick-off terminal block" permits a voltage pick-off up to a nominal voltage of 1000 V (4 mm²) on the UT 10, UT 16 and UT 35 terminal blocks. It can be marked with a zack marker strip.



For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) For information on installation for using accessories for Ex e applications, see page 720.

[2]) The reducing bridge table should be followed, see page 332.



UT 16 ...

Ex: KEMA 04ATEX2048 U / IECEx KEM 06.0027U

Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		12.2	**55.5**	**55**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²] / AWG
		101	**1000**	**1.5 - 25** / **16 - 4**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	1000	600	600	690
Nominal current / cross-section	[A] / [mm²]	76 / 16	85 / -	85 / -	73.5 / 16 // 89.5 / 25
Rated cross-section	[mm²]	16	-	-	16
Cross-section range	AWG	16 - 4	16-4	16-4	16 - 4
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	1.5 - 25	1.5 - 25	1 - 16	1 - 16
Two conductors (of the same type)	[mm²]	1 - 6	1 - 6	1 - 6	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.75 - 10
General data					
Stripping length	[mm]	14			
Screw thread		M5			
Tightening torque	[Nm]	2.5 - 3			
Insulating material		PA			
Inflammability class acc. to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		Gray	**UT 16**		**3044199**	50
		Blue	**UT 16 BU**		**3044209**	50

Accessories[1])

Pick-off terminal block, when wiring the pick-off with a smaller cross-section, observe the overload and short-circuit resistances specified in VDE 0100-430.		Gray	**AGK 4-UT 16**		**3047125**	50
Cover, width 2.2 mm		Gray	**D-UT 16**		**3047206**	50
Plug-in bridge for cross connections in the bridge shaft	2	Red	**FBS 2-12**	76 A	**3005950**	10
Reducing bridge, for connecting from UT to UT terminals[2])	2	Red	**RB UT 16-(2,5/4)**		**3047073**	10
	2	Red				
Reducing bridge, for connecting from UT to PIT, ST or QTC terminal blocks[2])	2	Red	**RB UT 16-ST(2,5/4)**		**3047099**	10
Warning sign for UT series		Yellow	**WS UT 16**		**3047374**	10
Screwdriver			**SZS 1,0X6,5**		**1205079**	10
UniCard sheet, for labeling the lateral groove			**UC-TM 12 (see page 481)**			
Zack marker strip, for labeling the lateral groove			**ZB 12 (see page 490)**			



UT 35 ...

Ex: KEMA 04ATEX2048 U / IECEx KEM 06.0027U

Width	Length	Height NS 35/7,5	
16	**60.2**	**65.7**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
150	**1000**	**1.5 - 50**	**16 - 1/0**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
1000	600	600	690
125 / 35	150 / -	150 / -	126 / 35 // 129 / 50
35	-	-	35
16 - 1/0	14-1/0	14-1/0	16 - 1/0
Solid	Stranded	Ferrule without / with plastic sleeve	
1.5 - 50	1.5 - 50	1.5 - 35	1.5 - 35
1.5 - 16	1.5 - 10	1.5 - 10	- 1.5 - 10
18			
M6			
3.2 - 3.7			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
UT 35		**3044225**	50
UT 35 BU		**3044238**	50
AGK 4-UT 35		**3047138**	50
FBS 2-16	101 A	**3005963**	10
RB UT 35-(2,5/4)		**3047277**	10
RB 35-16		**3032169**	10
RB UT 35-ST(2,5/4)		**3047280**	10
WS UT 35		**3047387**	10
SZS 1,0X6,5		**1205079**	10
UC-TM 16 (see page 481)			
ZB 16 (see page 491)			

UKH ... feed-through high-current terminal blocks





UKH 50 ...

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) For information on installation for using accessories for Ex e applications, see page 720.

[2]) See page 326.

The universal high-current terminal blocks cover the cross-section range from 16 - 240 mm².

A reliable cable connection is guaranteed by effective constructive measures. For example:

– Three-point centering of the wire in the prismatic sleeve base
– Low contact resistance of the contact surface due to ribbing
– Screws secured using spring-loaded elements

The terminal blocks have an enclosed half-shell insulation housing made of polyamide 6.6 and can be mounted on the NS 35 and NS 32 DIN rails in acc. with EN 60715.

For 16 - 95 mm², green-yellow ground terminal blocks are available. See page 35.

AGK 10 UKH...

The fully insulated AGK 10 pick-off terminal blocks enable a voltage connection up to a nominal voltage of 1000 V (10 mm²) to be made with the high-current terminal blocks. All three versions can be labeled with the zack marker strip.



Ex: KEMA 98ATEX1786U / IECEx KEM 06.0029U

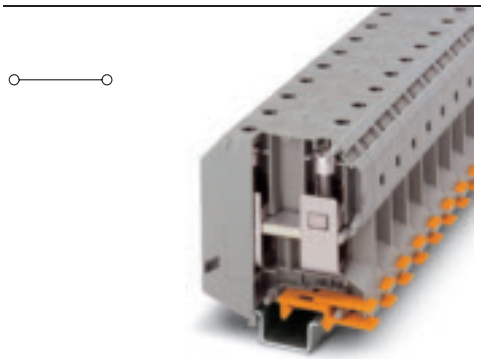
Dimensions		Width	Length	Height NS 35/15	
	[mm]	**20**	**70.5**	**83.5**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**20**	**70.5**	**81.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		150	**1000**	**16 - 70**	**6 - 2/0**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	1000	600	600	690
Nominal current / cross-section	[A] / [mm²]	150 / 50	150 / -	150 / -	137 / 50 // 137 / 50
Rated cross-section	[mm²]	50	-	-	50
Cross-section range	AWG	6 - 2/0	6-1/0	6-1/0	6 - 1/0
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	16 - 70	25 - 70	25 - 50	25 - 50
Two conductors (of the same type)	[mm²]	10 - 16	10 - 16	10 - 16	-
Max. cross-section with insertion bridge	[mm²]				
General data					
Stripping length	[mm]	24			
Screw thread		M6			
Tightening torque	[Nm]	6 - 8			
Insulating material		PA			
Inflammability class acc. to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 32, NS 35/15 or NS 35/15-2.3		Gray	**UKH 50**		**3009118**	10
		Blue	**UKH 50 BU**		**3009105**	10

Accessories[1])

Pick-off terminal block, when wiring the pick-off with a smaller cross-section, observe the overload and short-circuit resistances specified in VDE 0100 part 430.		Gray	**AGK 10-UKH 50**	57 A	**3001763**	10
Fixed bridge, for cross connections in the terminal center, screw heads with insulating collar, first remove partition plate						
	2	Silver	**FBI 2-20**	150 A	**0201346**	10
	3	Silver	**FBI 3-20**	150 A	**0201317**	10
Insertion bridge, fully insulated, is laid into terminal sleeve and snapped into the terminal housing						
	2	Gray				
	3	Gray				
Insertion profile, levels out the prism-shaped sleeve when using flat-ribbon conductors[2])		Silver	**UKH 50 EP**		**3009228**	10
End bracket, for end support of UKH 50 - UKH 240, is pushed onto DIN rail and fixed with 2 screws, made of aluminum, 10 mm wide, for assembly on NS 32...		Silver	**E/AL-NS 32**		**1201659**	10
Aluminum end clamp, for screwing on, for end support of 50 - 240 mm² terminal blocks, can be labeled with ZB 10, for assembly on NS 35...		Silver	**E/AL-NS 35**		**1201662**	10
Allen wrench, fully insulated, in accordance with EN 60900						
Screwdriver			**SZS 1,2X8,0**		**1205082**	10
UniCard sheet, for labeling the lateral groove			**UC-TM 10 (see page 480)**			
Zack marker strip, for labeling the lateral groove			**ZB 10 (see page 489)**			



UKH 95 ...

Ex: KEMA
KEMA 98ATEX1786U / IECEx KEM 06.0029U

Width	Length	Height NS 35/15	
25	**83**	**97.5**	
Width	Length	Height NS 32	
25	**83**	**95.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
232	**1000**	**25 - 95**	**4 - 3/0**

IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
1000	600	600	880
232 / 95	230 / -	200 / -	216 / 95 // 216 / 95
95	-	-	95
4 - 3/0	2-4/0	2-4/0	4 - 3/0
Solid	Stranded	Ferrule without / with plastic sleeve	
25 - 95	35 - 95	35 - 95	35 - 95
25 - 35	25 - 35	16 - 35	-
95	70		

33	
M8	
15 - 20	
PA	
V0	



UKH 150 ...

Ex: KEMA
KEMA 99ATEX8332 U / IECEx KEM 06.0030U

Width	Length	Height NS 35/15	
31	**100**	**118.5**	
Width	Length	Height NS 32	
31	**100**	**116**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
309	**1000**	**35 - 150**	**2 - 300 kcmil**

IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
1000	600	600	1100
309 / -	285 / -	275 / -	256 / 150 // 256 / 150
150	-	-	150
2 - 300 kcmil	2-300	2-300	2 - 300
Solid	Stranded	Ferrule without / with plastic sleeve	
35 - 150	50 - 150	50 - 150	50 - 150
25 - 50	35 - 50	25 - 50	-
150	120		

40	
M10	
25 - 30	
PA	
V0	



UKH 240 ...

Ex: KEMA
KEMA 99ATEX8332 U / IECEx KEM 06.0030U

Width	Length	Height NS 35/15	
36	**100**	**131.5**	
Width	Length	Height NS 32	
36	**100**	**129.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
415	**1000**	**70 - 240**	**2/0 - 500 kcmil**

IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
1000	600	600	1100
415 / 240	380 / -	400 / -	350 / 240 // 350 / 240
240	-	-	240
2/0 - 500 kcmil	2/0-500	1/0-500	2/0 - 500
Solid	Stranded	Ferrule without / with plastic sleeve	
70 - 240	70 - 240	70 - 185	50 - 185
35 - 95	50 - 95	35 - 50	-
240	185		

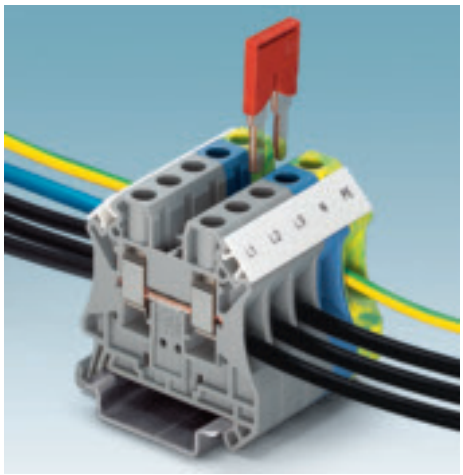
40	
M10	
25 - 30	
PA	
V0	

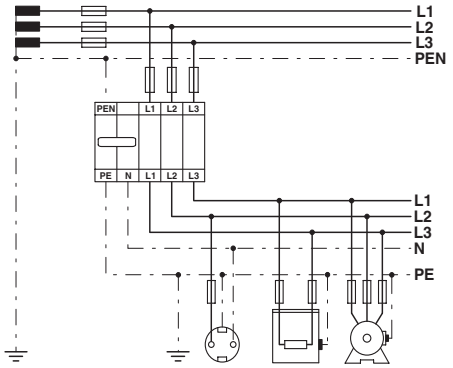
Type	I_{max}	Order No.	Pcs. / Pkt.
UKH 95		**3010013**	10
UKH 95 BU		**3010136**	10
AGK 10-UKH 95	57 A	**3003541**	10
EB 2-25/UKH	232 A	**0201362**	10
EB 3-25/UKH	232 A	**0201375**	10
UKH 95 EP		**3009231**	10
E/AL-NS 32		**1201659**	10
E/AL-NS 35		**1201662**	10
VDE-ISS 6		**1201934**	1
UC-TM 10 (see page 480)			
ZB 10 (see page 489)			

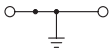
Type	I_{max}	Order No.	Pcs. / Pkt.
UKH 150		**3010110**	10
UKH 150 BU		**3010123**	10
AGK 10-UKH 150/240	57 A	**3003554**	10
EB 2-31/UKH	232 A	**0201388**	10
EB 3-31/UKH	232 A	**0201391**	10
UKH 150/240 EP		**3009244**	10
E/AL-NS 32		**1201659**	10
E/AL-NS 35		**1201662**	10
VDE-ISS 8		**1201947**	1
UC-TM 10 (see page 480)			
ZB 10 (see page 489)			

Type	I_{max}	Order No.	Pcs. / Pkt.
UKH 240		**3010217**	10
UKH 240 BU		**0711852**	10
AGK 10-UKH 150/240	57 A	**3003554**	10
EB 2-36/UKH	320 A	**0201401**	10
EB 3-36/UKH	320 A	**0201414**	10
UKH 150/240 EP		**3009244**	10
E/AL-NS 32		**1201659**	10
E/AL-NS 35		**1201662**	10
VDE-ISS 8		**1201947**	1
UC-TM 10 (see page 480)			
ZB 10 (see page 489)			

UT ...-PE ground terminal blocks









UT 2,5-PE

Ex: KEMA 04ATEX2048 U / IECEx KEM 06.0027U

Dimensions	[mm]	Width	Length	Height NS 35/7,5	
		5.2	47.7	47.5	
Max. electrical data				Max. Ø [mm²]	AWG
				0.14 - 4	26 - 12
Rated data		IEC 60947-7-2 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	-	-	-	-
Nominal current / cross-section	[A] / [mm²]	- / -	- / -	- / -	- / 2.5
Rated cross-section	[mm²]	2.5	-	-	2.5
Cross-section range	AWG	26 - 12	26-12	26-12	26 - 12
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5
Two conductors (of the same type)	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1.5
General data					
Stripping length	[mm]	9			
Screw thread		M3			
Tightening torque	[Nm]	0.6 - 0.8			
Insulating material		PA			
Inflammability class acc. to UL 94		V0			

PEN function in accordance with IEC from 10 mm² rated cross-section

When electrical machine controls installed in a 5-conductor system are connected to the power supply at the site of installation, it is impossible to know in advance whether the connection will involve 4 or 5 conductors.

Larger cross-sections normally have a 4-conductor feed, which must then be converted to a 5-conductor system on the terminal strip. The point at which the PEN conductor is split into the neutral conductor and protective conductor is of particular importance. In the case of UT screw terminal blocks, this separation can be realized very easily and according to the standard using a block that consists of a green/yellow ground terminal block with a metal foot and a bluebluemodular terminal block that is isolated toward the DIN rail. Both terminal blocks are interconnected with a powerful plug-in bridge through which the current of the neutral conductor from the system is led to the PEN conductor. A copper DIN rail is not necessary, since the rail only has a PE function when the input block is used and can therefore be made of steel. Please observe the maximum permissible short-circuit current of the DIN rail for the PE function.

Current carrying capacity of DIN rails, see page 728.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

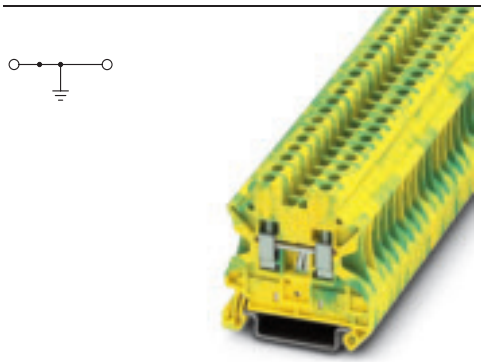
[1]) For information on installation for using accessories for Ex e applications, see page 720.

Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.
Ground terminal block, for mounting on NS 35...		Green-yellow	**UT 2,5-PE**	**3044092**	50

Accessories[1])

Pick-off terminal block, for snapping into the lateral guide		Gray			
Cover, width 2.2 mm		Gray	**D-UT 2,5/10**	**3047028**	50
Plug-in bridge for cross connections in the bridge shaft					
	2	Red	**FBS 2-5**	**3030161**	50
	3	Red	**FBS 3-5**	**3030174**	50
	4	Red	**FBS 4-5**	**3030187**	50
	5	Red	**FBS 5-5**	**3030190**	50
	10	Red	**FBS 10-5**	**3030213**	10
	20	Red	**FBS 20-5**	**3030226**	10
Partition plate, for visual and electrical separation of terminal groups, 2 mm thick		Gray	**ATP-UT**	**3047167**	50
Test adapter, for 4 mm Ø PS test plug and 4 mm safety test plug, makes contact in the bridge shaft		Gray	**PAI-4**	**3030925**	10
Test plug, consisting of: metal part for 2.3 mm Ø socket hole and			**MPS-MT**	**0201744**	10
insulating sleeve for MPS metal part		Red	**MPS-IH RD**	**0201676**	10
Modular test plug, for the individual assembly of test plug strips		Red	**PS-5**	**3030983**	10
Warning sign for UT series		Yellow	**WS UT 2,5**	**3047923**	10
Screwdriver			**SZS 0,6X3,5**	**1205053**	10
UniCard sheet, for labeling the lateral groove			**UC-TM 5 (see page 479)**		
Zack marker strip, for labeling the lateral groove			**ZB 5 (see page 487)**		



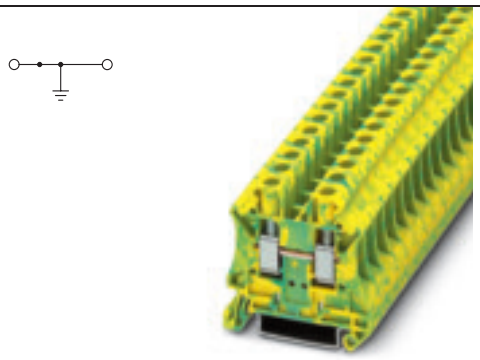
UT 4-PE

Ex: KEMA

KEMA 04ATEX2048 U / IECEx KEM 06.0027U

Width	Length	Height NS 35/7,5	
6.2	**47.7**	**47.5**	
		Max. Ø [mm²]	AWG
		0.14 - 6	**26 - 10**
IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	- / 4
4	-	-	4
26 - 10	26-10	26-10	26 - 10
Solid	Stranded	Ferrule without / with plastic sleeve	
0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
			0.5 - 2.5
9			
M3			
0.6 - 0.8			
PA			
V0			

Type	Order No.	Pcs. / Pkt.
UT 4-PE	**3044128**	50
D-UT 2,5/10	**3047028**	50
FBS 2-6	**3030336**	50
FBS 3-6	**3030242**	50
FBS 4-6	**3030255**	50
FBS 5-6	**3030349**	50
FBS 10-6	**3030271**	10
FBS 20-6	**3030365**	10
ATP-UT	**3047167**	50
PAI-4	**3030925**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-6	**3030996**	10
WS UT 4	**3047332**	10
SZS 0,6X3,5	**1205053**	10
UC-TM 6 (see page 479)		
ZB 6 (see page 487)		



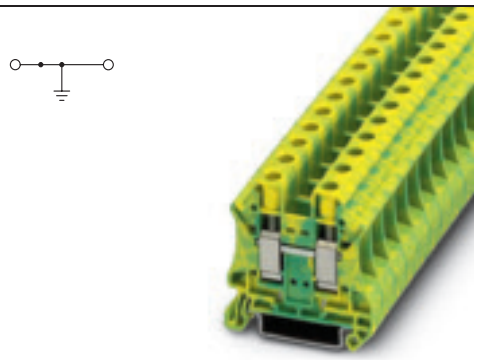
UT 6-PE

Ex: KEMA

KEMA 04ATEX2048 U / IECEx KEM 06.0027U

Width	Length	Height NS 35/7,5	
8.2	**47.7**	**47.5**	
		Max. Ø [mm²]	AWG
		0.2 - 10	**24 - 8**
IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	- / 6
6	-	-	6
24 - 8	24-8	24-8	24 - 8
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 10	0.2 - 10	0.25 - 6	0.25 - 6
0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
			0.5 - 4
10			
M4			
1.5 - 1.8			
PA			
V0			

Type	Order No.	Pcs. / Pkt.
UT 6-PE	**3044157**	50
D-UT 2,5/10	**3047028**	50
FBS 2-8	**3030284**	10
FBS 3-8	**3030297**	10
FBS 4-8	**3030307**	10
FBS 5-8	**3030310**	10
FBS 10-8	**3030323**	10
ATP-UT	**3047167**	50
PAI-4	**3030925**	10
PS-8	**3031005**	10
WS UT 6	**3047345**	10
SZS 1,0X4,0	**1205066**	10
UC-TM 8 (see page 479)		
ZB 8 (see page 489)		



UT 10-PE

Ex: KEMA

KEMA 04ATEX2048 U / IECEx KEM 06.0027U

Width	Length	Height NS 35/7,5	
10.2	**47.7**	**47.5**	
$I_{max.}$ [A]		Max. Ø [mm²]	AWG
76		**0.5 - 16**	**20 - 6**
IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
57 / 10	- / -	- / -	- / 10
10	-	-	10
20 - 6	20-6	20-6	20 - 6
Solid	Stranded	Ferrule without / with plastic sleeve	
0.5 - 16	0.5 - 16	0.5 - 10	0.5 - 10
0.5 - 4	0.5 - 4	0.5 - 2.5	-
			0.5 - 6
10			
M4			
1.5 - 1.8			
PA			
V0			

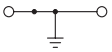
Type	I_{max}	Order No.	Pcs. / Pkt.
UT 10-PE		**3044173**	50
AGK 4-UT 10		**3047112**	50
D-UT 2,5/10		**3047028**	50
FBS 2-10	57 A	**3005947**	10
ATP-UT		**3047167**	50
WS UT 10		**3047361**	10
SZS 1,0X4,0		**1205066**	10
UC-TM 10 (see page 480)			
ZB 10 (see page 489)			

UT...-PE ground terminal blocks

Current carrying capacity of DIN rails, see page 728.

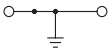
For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) For information on installation for using accessories for Ex e applications, see page 720.





UT 16-PE





UT 35-PE

		UT 16-PE				UT 35-PE			
		Ex: KEMA 04ATEX2048 U / IECEx KEM 06.0027U				Ex: KEMA 04ATEX2048 U / IECEx KEM 06.0027U			
Dimensions		Width	Length	Height NS 35/7,5		Width	Length	Height NS 35/7,5	
	[mm]	**12.2**	**55.5**	**55**		**16**	**60.2**	**65.7**	
Max. electrical data		$I_{max.}$ [A]		Max. Ø [mm²]	AWG	$I_{max.}$ [A]		Max. Ø [mm²]	AWG
		101		**1.5 - 25**	**16 - 4**	**125**		**1.5 - 35**	**16 - 2**
Rated data		IEC 60947-7-2 IEC	UL / CUL	CSA	IEC/ EN 60079-7	IEC 60947-7-2 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	-	-	-	-	-	-	-	-
Nominal current / cross-section	[A] / [mm²]	76 / 16	- / -	- / -	- / 16	125 / 35	- / -	- / -	- / 35
Rated cross-section	[mm²]	16	-	-	16	35	-	-	35
Cross-section range	AWG	16 - 4	16-4	16-4	16 - 4	16 - 2	14-2	14-1/0	16 - 2
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	1.5 - 25	1.5 - 25	1 - 16	1 - 16	1.5 - 35	1.5 - 35	1.5 - 35	1.5 - 35
Two conductors (of the same type)	[mm²]	1 - 6	1 - 6	1 - 6	-	1.5 - 16	1.5 - 10	1.5 - 10	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.75 - 10				1.5 - 10
General data									
Stripping length	[mm]	14				18			
Screw thread		M5				M6			
Tightening torque	[Nm]	2.5 - 3				3.2 - 3.7			
Insulating material		PA				PA			
Inflammability class acc. to UL 94		V0				V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.	Type	I_{max}	Order No.	Pcs. / Pkt.
Ground terminal block, for mounting on NS 35...		Green-yellow	**UT 16-PE**		**3044212**	50	**UT 35-PE**		**3044241**	50

Accessories[1])

Pick-off terminal block, when wiring the pick-off with a smaller cross-section, observe the overload and short-circuit resistances specified in VDE 0100-430.		Gray	**AGK 4-UT 16**		**3047125**	50	**AGK 4-UT 35**		**3047138**	50
Cover, width 2.2 mm		Gray	**D-UT 16**		**3047206**	50				
Plug-in bridge for cross connections in the bridge shaft	2	Red	**FBS 2-12**	76 A	**3005950**	10	**FBS 2-16**	101 A	**3005963**	10
Warning sign for UT series		Yellow	**WS UT 16**		**3047374**	10	**WS UT 35**		**3047387**	10
Screwdriver			**SZS 1,0X6,5**		**1205079**	10	**SZS 1,0X6,5**		**1205079**	10
UniCard sheet, UniCard sheet, for labeling the lateral groove			**UC-TM 12 (see page 481)**				**UC-TM 16 (see page 481)**			
Zack marker strip, for labeling the lateral groove			**ZB 12 (see page 490)**				**ZB 16 (see page 491)**			

USLKG ... ground terminal blocks

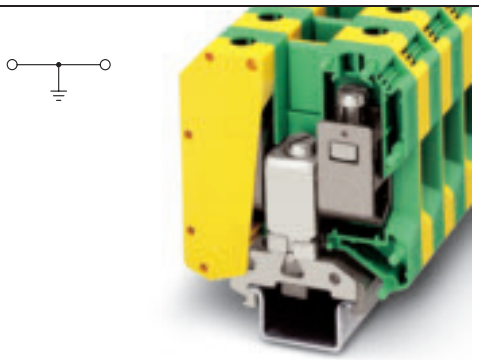
This terminal block series not only fulfills the strict requirements made for ground terminal blocks, but actually surpasses them.

Current carrying capacity of DIN rails, see page 728.

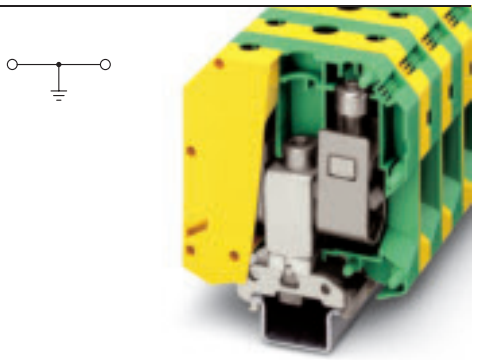
For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) For information on installation for using accessories for Ex e applications, see page 720.

[2]) See page 326.



USLKG 50



USLKG 95

Ex: KEMA
KEMA 99ATEX4487U / IECEx KEM 06.0035U

		USLKG 50				USLKG 95			
Dimensions		Width	Length	Height NS 35/15		Width	Length	Height NS 35/15	
	[mm]	**20**	**70.5**	**83.5**		**25**	**83**	**99**	
Dimensions		Width	Length	Height NS 32		Width	Length	Height NS 32	
	[mm]	**20**	**70.5**	**81.5**		**25**	**83**	**96.5**	
Max. electrical data		$I_{max.}$ [A]		Max. Ø [mm²]	AWG	$I_{max.}$ [A]		Max. Ø [mm²]	AWG
		150		**16 - 70**	**6 - 1/0**	**232**		**25 - 95**	**4 - 3/0**
Rated data		IEC 60947-7-2 IEC	UL / CUL	CSA	IEC/ EN 60079-7	IEC 60947-7-2 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	-	-	-	-	-	-	-	-
Nominal current / cross-section	[A] / [mm²]	150 / 50	- / -	- / -	- / 50	232 / 95	- / -	- / -	- / 95
Rated cross-section	[mm²]	50	-	-	50	95	-	-	95
Cross-section range	AWG	6 - 1/0	6-1/0	-	6 - 1/0	4 - 3/0	2-4/0	2-4/0	4 - 3/0
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	16 - 70	25 - 70	25 - 50	25 - 50	25 - 95	35 - 95	35 - 95	35 - 95
Two conductors (of the same type)	[mm²]	10 - 16	10 - 16	10 - 16	-	25 - 35	25 - 35	16 - 35	-
Two stranded conductors with a TWIN ferrule	[mm²]								
General data									
Stripping length	[mm]	24				30			
Screw thread		M6				M8			
Tightening torque	[Nm]	6 - 8				15 - 20			
Insulating material		PA				PA			
Inflammability class acc. to UL 94		V0				V2			

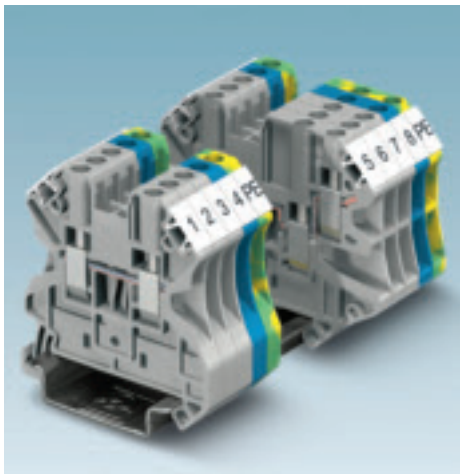
Ordering data

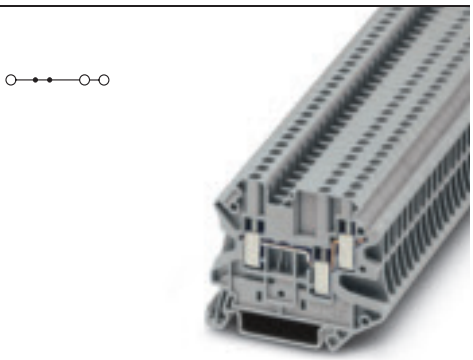
Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Ground terminal block, with green-yellow insulating housing, for mounting on NS 32, NS 35/15-2,3 or NS 35/15	Green-yellow	**USLKG 50**	**0443049**	10	**USLKG 95**	**0441041**	10

Accessories[1])

Insertion profile, levels out the prism-shaped sleeve when using flat-ribbon conductors[2])	Silver	**UKH 50 EP**	**3009228**	10	**UKH 95 EP**	**3009231**	10
Screwdriver		**SZS 1,2X8,0**	**1205082**	10			
Allen wrench, fully insulated, in accordance with EN 60900					**VDE-ISS 6**	**1201934**	1
UniCard sheet, for labeling the lateral groove		**UC-TM 10 (see page 480)**			**UC-TM 10 (see page 480)**		
Zack marker strip, for labeling the lateral groove		**ZB 10 (see page 489)**			**ZB 10 (see page 489)**		

UT...-TWIN... multi-conductor terminal blocks





UT 2,5-TWIN ...

Current carrying capacity of DIN rails, see page 728.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) The max. load current must not be exceeded by the total current of all connected conductors.

[2]) For information on installation for using accessories for Ex e applications, see page 720.

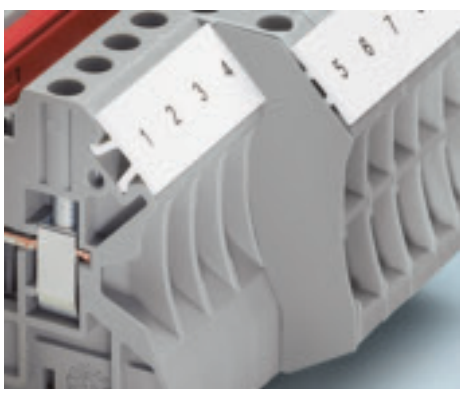
The three-conductor UT ...-TWIN screw terminal blocks are a space-saving alternative to standard feed-through terminal blocks when it comes to potential distribution.

In practice, three connections often have to be led to one terminal block. This task can be realized with the TWIN variant without any additional terminal blocks or bridges.

The universal FBS plug-in bridge system allows cross connections to neighboring feed-through terminal blocks.

End cover segments

End cover segments cover protruding terminal block segments of three and four-conductor terminal blocks when two-conductor terminal blocks are aligned. This ensures that they are touch-proof.



Ex: KEMA

KEMA 06ATEX0017 U / IECEx KEM 06.0013U

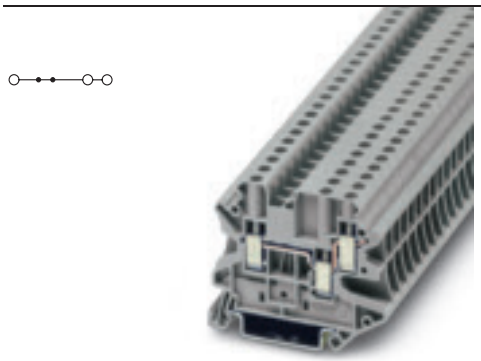
Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		5.2	**57.8**	**47.5**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²] / AWG
		30[1])	**500**	**0.14 - 4** / **26 - 12**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA / IEC/ EN 60079-7
Rated voltage	[V]	500	150	- / 352
Nominal current / cross-section	[A] / [mm²]	24[1]) / 2.5	20 / -	- / - / 21 / 2.5 // 25 / 4
Rated cross-section	[mm²]	2.5	-	- / 2.5
Cross-section range	AWG	26 - 12	26-12	- / 26 - 12
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve
One conductor	[mm²]	0.14 - 4	0.14 - 4	0.14 - 2.5 / 0.14 - 2.5
Two conductors (of the same type)	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5 / -
Two stranded conductors with a TWIN ferrule	[mm²]			- / 0.5 - 1
General data				
Stripping length	[mm]	9		
Screw thread		M3		
Tightening torque	[Nm]	0.5 - 0.6		
Insulating material		PA		
Inflammability class acc. to UL 94		V0		

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		Gray	**UT 2,5-TWIN**		**3044513**	50
		Blue	**UT 2,5-TWIN BU**		**3044526**	50
Ground terminal block, for mounting on NS 35...		Green-yellow				

Accessories[2])

Cover, width 2.2 mm		Gray	**D-UT 2,5/4-TWIN**		**3047141**	50
End cover segment, for covering multi-conductor terminal blocks when two-conductor terminal blocks are aligned		Gray	**DS-UT 2,5/4**		**3047109**	50
Plug-in bridge for cross connections in the bridge shaft						
	2	Red	**FBS 2-5**	24 A	**3030161**	50
	3	Red	**FBS 3-5**	24 A	**3030174**	50
	4	Red	**FBS 4-5**	24 A	**3030187**	50
	5	Red	**FBS 5-5**	24 A	**3030190**	50
	10	Red	**FBS 10-5**	24 A	**3030213**	10
	20	Red	**FBS 20-5**	24 A	**3030226**	10
Partition plate, for visual and electrical separation of terminal groups, 2 mm thick		Gray	**ATP-UT-TWIN**		**3047183**	50
Test adapter, for 4 mm Ø PS test plug and 4 mm safety test plug, makes contact in the bridge shaft		Gray	**PAI-4**		**3030925**	10
Test plug, consisting of: metal part for 2.3 mm Ø socket hole and			**MPS-MT**		**0201744**	10
insulating sleeve for MPS metal part		Red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		Red	**PS-5**		**3030983**	10
Warning sign for UT series		Yellow	**WS UT 2,5**		**3047923**	10
Screwdriver			**SZS 0,6X3,5**		**1205053**	10
UniCard sheet, for labeling the lateral groove			**UC-TM 5 (see page 479)**			
Zack marker strip, for labeling the lateral groove			**ZB 5 (see page 487)**			



UT 4-TWIN ...

Ex: KEMA 06ATEX0017 U / IECEx KEM 06.0013U

Width	Length	Height NS 35/7,5	
6.2	**57.8**	**47.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
41[1])	**500**	**0.14 - 6**	**26 - 10**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	150	-	352
32[1]) / 4	30 / -	- / -	29 / 4 // 35 / 6
4	-	-	4
26 - 10	26-10	-	26 - 10
Solid	Stranded	Ferrule without / with plastic sleeve	
0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	- 0.5 - 1
9			
M3			
0.6 - 0.8			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
UT 4-TWIN		**3044364**	50
UT 4-TWIN BU		**3044500**	50
D-UT 2,5/4-TWIN		**3047141**	50
DS-UT 2,5/4		**3047109**	50
FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 10-6	32 A	**3030271**	10
FBS 20-6	32 A	**3030365**	10
ATP-UT-TWIN		**3047183**	50
PAI-4		**3030925**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
WS UT 4		**3047332**	10
SZS 0,6X3,5		**1205053**	10
UC-TM 6 (see page 479)			
ZB 6 (see page 487)			



UT 2,5-TWIN-PE

Ex: KEMA 06ATEX0017 U / IECEx KEM 06.0013U

Width	Length	Height NS 35/7,5	
5.2	**57.8**	**47.5**	
		Max. Ø [mm²]	AWG
		0.14 - 4	**26 - 12**
IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	- / 2.5
2.5	-	-	2.5
26 - 12	26-12	-	26 - 12
Solid	Stranded	Ferrule without / with plastic sleeve	
0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	- 0.5 - 1
9			
M3			
0.5 - 0.6			
PA			
V0			

Type	Order No.	Pcs. / Pkt.
UT 2,5-TWIN-PE	**3044539**	50
D-UT 2,5/4-TWIN	**3047141**	50
DS-UT 2,5/4	**3047109**	50
FBS 2-5	**3030161**	50
FBS 3-5	**3030174**	50
FBS 4-5	**3030187**	50
FBS 5-5	**3030190**	50
FBS 10-5	**3030213**	10
FBS 20-5	**3030226**	10
ATP-UT-TWIN	**3047183**	50
PAI-4	**3030925**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-5	**3030983**	10
WS UT 2,5	**3047923**	10
SZS 0,6X3,5	**1205053**	10
UC-TM 5 (see page 479)		
ZB 5 (see page 487)		



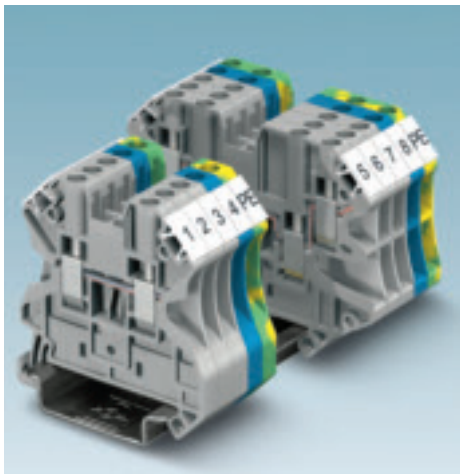
UT 4-TWIN-PE

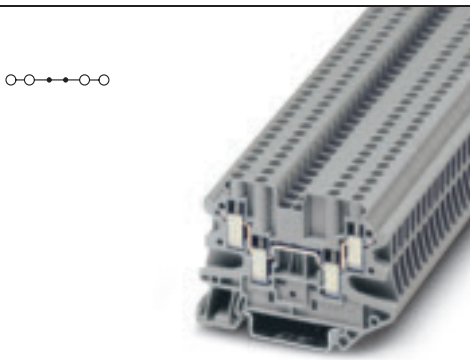
Ex: KEMA 06ATEX0017 U / IECEx KEM 06.0013U

Width	Length	Height NS 35/7,5	
6.2	**57.8**	**47.5**	
		Max. Ø [mm²]	AWG
		0.14 - 6	**26 - 10**
IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	- / 4
4	-	-	4
26 - 10	26-10	-	26 - 10
Solid	Stranded	Ferrule without / with plastic sleeve	
0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	- 0.5 - 1
9			
M3			
0.6 - 0.8			
PA			
V0			

Type	Order No.	Pcs. / Pkt.
UT 4-TWIN-PE	**3044380**	50
D-UT 2,5/4-TWIN	**3047141**	50
DS-UT 2,5/4	**3047109**	50
FBS 2-6	**3030336**	50
FBS 3-6	**3030242**	50
FBS 4-6	**3030255**	50
FBS 5-6	**3030349**	50
FBS 10-6	**3030271**	10
FBS 20-6	**3030365**	10
ATP-UT-TWIN	**3047183**	50
PAI-4	**3030925**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-6	**3030996**	10
WS UT 4	**3047332**	10
SZS 0,6X3,5	**1205053**	10
UC-TM 6 (see page 479)		
ZB 6 (see page 487)		

UT...-QUATTRO... four-conductor terminal blocks





Current carrying capacity of DIN rails, see page 728.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

1) The max. load current must not be exceeded by the total current of all connected conductors.

2) For information on installation for using accessories for Ex e applications, see page 720.

The double connection of the UT ...-QUATTRO screw terminal blocks allows four conductors to be connected to one potential. The QUATTRO variants can therefore be used as compact potential distributors.

The FBS plug-in bridge system allows any number of terminal blocks to be bridged and thus achieves further potential distribution.

End cover segments

End cover segments cover protruding terminal block segments of three and four-conductor terminal blocks when two-conductor terminal blocks are aligned. This ensures that they are touch-proof.

UT 2,5-QUATTRO ...

Ex: KEMA 06ATEX0017 U / IECEx KEM 06.0013U

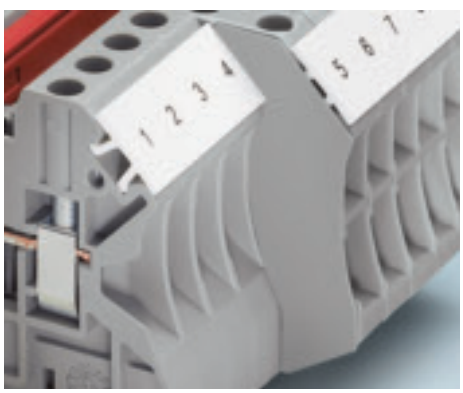
Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		5.2	**65.4**	**47.5**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²] / AWG
		30[1])	**500**	**0.14 - 4 / 26 - 12**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	500	150	- / 352
Nominal current / cross-section	[A] / [mm²]	24[1]) / 2.5	20 / -	- / - / 21 / 2.5 // 25 / 4
Rated cross-section	[mm²]	2.5	-	- / 2.5
Cross-section range	AWG	26 - 12	26-12	- / 26 - 12
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve
One conductor	[mm²]	0.14 - 4	0.14 - 4	0.14 - 2.5 / 0.14 - 2.5
Two conductors (of the same type)	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5 / -
Two stranded conductors with a TWIN ferrule	[mm²]			- / 0.5 - 1
General data				
Stripping length	[mm]	9		
Screw thread		M3		
Tightening torque	[Nm]	0.5 - 0.6		
Insulating material		PA		
Inflammability class acc. to UL 94		V0		

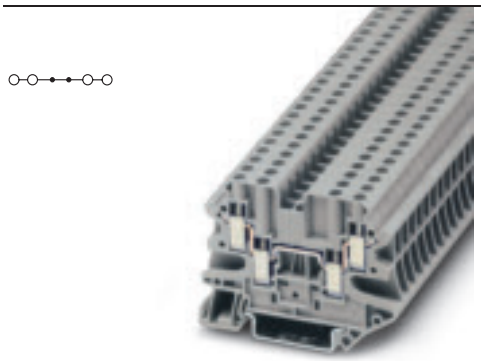
Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		Gray	**UT 2,5-QUATTRO**		**3044542**	50
		Blue	**UT 2,5-QUATTRO BU**		**3044555**	50
Ground terminal block, for mounting on NS 35...		Green-yellow				

Accessories[2])

Cover, width 2.2 mm		Gray	**D-UT 2,5/4-QUATTRO**		**3047170**	50
End cover segment, for covering multi-conductor terminal blocks when two-conductor terminal blocks are aligned		Gray	**DS-UT 2,5/4**		**3047109**	50
Plug-in bridge for cross connections in the bridge shaft						
	2	Red	**FBS 2-5**	24 A	**3030161**	50
	3	Red	**FBS 3-5**	24 A	**3030174**	50
	4	Red	**FBS 4-5**	24 A	**3030187**	50
	5	Red	**FBS 5-5**	24 A	**3030190**	50
	10	Red	**FBS 10-5**	24 A	**3030213**	10
	20	Red	**FBS 20-5**	24 A	**3030226**	10
Partition plate, for visual and electrical separation of terminal groups, 2 mm thick		Gray	**ATP-UT-QUATTRO**		**3047196**	50
Test adapter, for 4 mm Ø PS test plug and 4 mm safety test plug, makes contact in the bridge shaft		Gray	**PAI-4**		**3030925**	10
Test plug, consisting of: metal part for 2.3 mm Ø socket hole and			**MPS-MT**		**0201744**	10
insulating sleeve for MPS metal part		Red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		Red	**PS-5**		**3030983**	10
Warning sign for UT series		Yellow	**WS UT 2,5**		**3047923**	10
Screwdriver			**SZS 0,6X3,5**		**1205053**	10
UniCard sheet, for labeling the lateral groove			**UC-TM 5 (see page 479)**			
Zack marker strip, for labeling the lateral groove			**ZB 5 (see page 487)**			



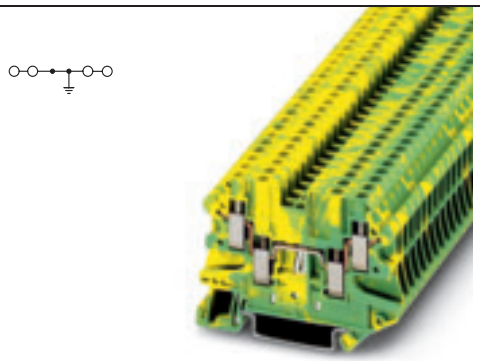


UT 4-QUATTRO ...

Ex: KEMA 06ATEX0017 U / IECEx KEM 06.0013U

Width	Length	Height NS 35/7,5	
6.2	**65.4**	**47.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
39[1])	**500**	**0.14 - 6**	**26 - 10**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	150	-	352
32[1]) / 4	30 / -	- / -	29 / 4 // 33 / 6
4	-	-	4
26 - 10	26-10	-	26 - 10
Solid	Stranded	Ferrule without / with plastic sleeve	
0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	- 0.5 - 1
9			
M3			
0.6 - 0.8			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
UT 4-QUATTRO		**3044571**	50
UT 4-QUATTRO BU		**3044584**	50
D-UT 2,5/4-QUATTRO		**3047170**	50
DS-UT 2,5/4		**3047109**	50
FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 10-6	32 A	**3030271**	10
FBS 20-6	32 A	**3030365**	10
ATP-UT-QUATTRO		**3047196**	50
PAI-4		**3030925**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
WS UT 4		**3047332**	10
SZS 0,6X3,5		**1205053**	10
UC-TM 6 (see page 479)			
ZB 6 (see page 487)			

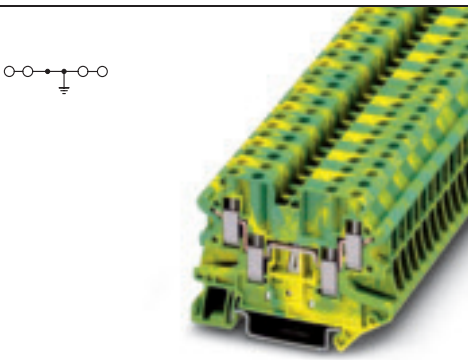


UT 2,5-QUATTRO-PE

Ex: KEMA 06ATEX0017 U / IECEx KEM 06.0013U

Width	Length	Height NS 35/7,5	
5.2	**65.4**	**47.5**	
		Max. Ø [mm²]	AWG
		0.14 - 4	**26 - 12**
IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	- / 2.5
2.5	-	-	2.5
26 - 12	26-12	-	26 - 12
Solid	Stranded	Ferrule without / with plastic sleeve	
0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	- 0.5 - 1
9			
M3			
0.5 - 0.6			
PA			
V0			

Type	Order No.	Pcs. / Pkt.
UT 2,5-QUATTRO-PE	**3044568**	50
D-UT 2,5/4-QUATTRO	**3047170**	50
DS-UT 2,5/4	**3047109**	50
FBS 2-5	**3030161**	50
FBS 3-5	**3030174**	50
FBS 4-5	**3030187**	50
FBS 5-5	**3030190**	50
FBS 10-5	**3030213**	10
FBS 20-5	**3030226**	10
ATP-UT-QUATTRO	**3047196**	50
PAI-4	**3030925**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-5	**3030983**	10
WS UT 2,5	**3047923**	10
SZS 0,6X3,5	**1205053**	10
UC-TM 5 (see page 479)		
ZB 5 (see page 487)		



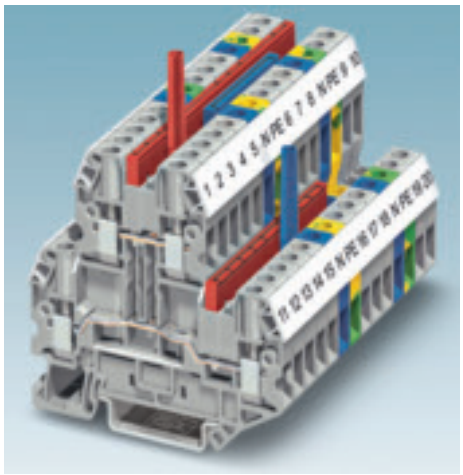
UT 4-QUATTRO-PE

Ex: KEMA 06ATEX0017 U / IECEx KEM 06.0013U

Width	Length	Height NS 35/7,5	
6.2	**65.4**	**47.5**	
		Max. Ø [mm²]	AWG
		0.14 - 6	**26 - 10**
IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	- / 4
4	-	-	4
26 - 10	26-10	-	26 - 10
Solid	Stranded	Ferrule without / with plastic sleeve	
0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	- 0.5 - 1
9			
M3			
0.6 - 0.8			
PA			
V0			

Type	Order No.	Pcs. / Pkt.
UT 4-QUATTRO-PE	**3044597**	50
D-UT 2,5/4-QUATTRO	**3047170**	50
DS-UT 2,5/4	**3047109**	50
FBS 2-6	**3030336**	50
FBS 3-6	**3030242**	50
FBS 4-6	**3030255**	50
FBS 5-6	**3030349**	50
FBS 10-6	**3030271**	10
FBS 20-6	**3030365**	10
ATP-UT-QUATTRO	**3047196**	50
PAI-4	**3030925**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-6	**3030996**	10
WS UT 4	**3047332**	10
SZS 0,6X3,5	**1205053**	10
UC-TM 6 (see page 479)		
ZB 6 (see page 487)		

Multi-level terminal blocks UTTB ...

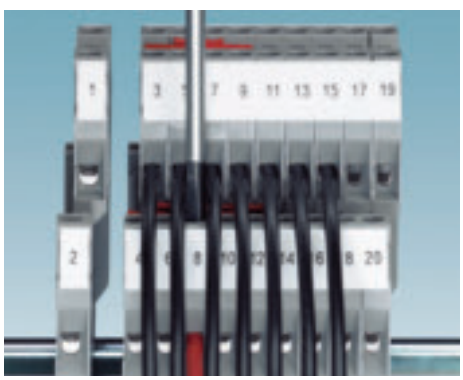


The UT product range is rounded off by the compact double-level variant UTTB in the nominal cross-sections 2.5 and 4 mm².

The potentials are routed on two levels over a pitch of 5.2 mm and 6.2 mm and reduce space requirements in the control cabinet by a further 50%. Two bridge shafts per level and generously dimensioned labeling options for all terminal points are integrated.

Offset levels

The offset levels of the double-level terminal blocks enable unhindered access to the lower connection levels even when already fully wired.

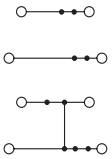


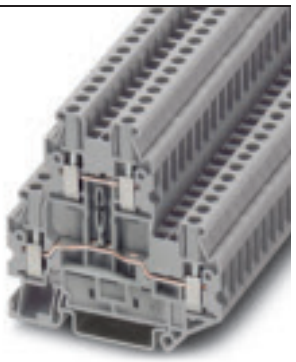
Current carrying capacity of DIN rails, see page 728.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) The max. load current must not be exceeded by the total current of all connected conductors.

[2]) For information on installation for using accessories for Ex e applications, see page 720.





UTTB 2,5 ...

Ex: KEMA 06ATEX0017 U / IECEx KEM 06.0013U

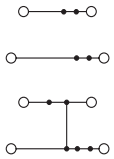
Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		5.2	**69.9**	**65**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²] / AWG
		28	**500**	**0.14 - 4 / 26 - 12**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	500	600	600 / 352
Nominal current / cross-section	[A] / [mm²]	24 / 2.5	20 / -	20 / - / 20 / 2.5 // 24 / 4
Rated cross-section	[mm²]	2.5	-	- / 2.5
Cross-section range	AWG	26 - 12	26-12	26-12 / 26 - 12
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve
One conductor	[mm²]	0.14 - 4	0.14 - 4	0.14 - 2.5 / 0.14 - 2.5
Two conductors (of the same type)	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5 / -
Two stranded conductors with a TWIN ferrule	[mm²]			- / 0.5 - 1.5
General data				
Stripping length	[mm]	9		
Screw thread		M3		
Tightening torque	[Nm]	0.5 - 0.6		
Insulating material		PA		
Inflammability class acc. to UL 94		V0		

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		Gray	**UTTB 2,5**		**3044636**	50
		Blue	**UTTB 2,5 BU**		**3044649**	50
Terminal block, with equipotential bonder, for mounting on NS 35...[1])		Gray	**UTTB 2,5-PV**		**3044652**	50
Ground terminal block, for mounting on NS 35...		Green-yellow				

Accessories[2])

Cover, width 2.2 mm		Gray	**D-UTTB 2,5/4**		**3047293**	50
Spacer plate, compensates for level offset if standard terminal blocks are to be fitted adjacently, 2.5 mm thick		Gray	**DP-UTTB 2,5/4**		**3047303**	50
Plug-in bridge for cross connections in the bridge shaft						
	2	Red	**FBS 2-5**	24 A	**3030161**	50
	3	Red	**FBS 3-5**	24 A	**3030174**	50
	4	Red	**FBS 4-5**	24 A	**3030187**	50
	5	Red	**FBS 5-5**	24 A	**3030190**	50
	10	Red	**FBS 10-5**	24 A	**3030213**	10
	20	Red	**FBS 20-5**	24 A	**3030226**	10
Vertical potential bridge, to connect the upper and lower level		Black	**FBS-PV UT**		**3047358**	50
Partition plate, for visual and electrical separation of terminal groups, 2 mm thick		Gray	**ATP-UTTB 2,5/4**		**3047316**	50
Test adapter, for 4 mm Ø PS test plug and 4 mm safety test plug, makes contact in the bridge shaft		Gray	**PAI-4**		**3030925**	10
Test plug, consisting of: metal part for 2.3 mm Ø socket hole and			**MPS-MT**		**0201744**	10
insulating sleeve for MPS metal part		Red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		Red	**PS-5**		**3030983**	10
Screwdriver			**SZS 0,6X3,5**		**1205053**	10
UniCard sheet, for labeling the lateral groove			**UC-TM 5 (see page 479)**			
Zack marker strip, for labeling the lateral groove			**ZB 5 (see page 487)**			



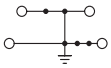


UTTB 4 ...

Ex: KEMA
KEMA 06ATEX0017 U / IECEx KEM 06.0013U

Width	Length	Height NS 35/7,5	
6.2	**69.9**	**65**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
36	**800**	**0.14 - 6**	**26 - 10**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800	300	600	440
30 / 4	30 / -	30 / -	25.5 / 4 // 31.5 / 6
4	-	-	4
26 - 10	26-10	26-10	26 - 10
Solid	Stranded	Ferrule without / with plastic sleeve	
0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	- 0.5 - 2.5
9			
M3			
0.6 - 0.8			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
UTTB 4		**3044814**	50
UTTB 4 BU		**3044791**	50
UTTB 4-PV		**3044733**	50
D-UTTB 2,5/4		**3047293**	50
DP-UTTB 2,5/4		**3047303**	50
FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 10-6	32 A	**3030271**	10
FBS 20-6	32 A	**3030365**	10
FBS-PV UT		**3047358**	50
ATP-UTTB 2,5/4		**3047316**	50
PAI-4		**3030925**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
SZS 0,6X3,5		**1205053**	10
UC-TM 6 (see page 479)			
ZB 6 (see page 487)			



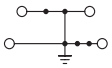


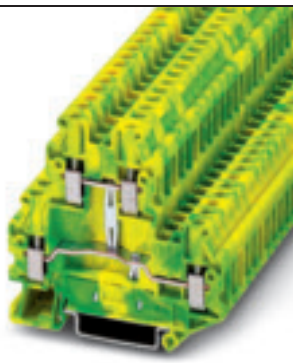
UTTB 2,5-PE

Ex: KEMA
KEMA 06ATEX0017 U / IECEx KEM 06.0013U

Width	Length	Height NS 35/7,5	
5.2	**69.9**	**65**	
		Max. Ø [mm²]	AWG
		0.14 - 4	**26 - 12**
IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	- / 2.5
2.5	-	-	2.5
26 - 12	26-12	26-12	26 - 12
Solid	Stranded	Ferrule without / with plastic sleeve	
0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	- 0.5 - 1.5
9			
M3			
0.5 - 0.6			
PA			
V0			

Type	Order No.	Pcs. / Pkt.
UTTB 2,5-PE	**3044665**	50
D-UTTB 2,5/4	**3047293**	50
DP-UTTB 2,5/4	**3047303**	50
FBS 2-5	**3030161**	50
FBS 3-5	**3030174**	50
FBS 4-5	**3030187**	50
FBS 5-5	**3030190**	50
FBS 10-5	**3030213**	10
FBS 20-5	**3030226**	10
ATP-UTTB 2,5/4	**3047316**	50
PAI-4	**3030925**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-5	**3030983**	10
SZS 0,6X3,5	**1205053**	10
UC-TM 5 (see page 479)		
ZB 5 (see page 487)		





UTTB 4-PE

Ex: KEMA
KEMA 06ATEX0017 U / IECEx KEM 06.0013U

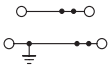
Width	Length	Height NS 35/7,5	
6.2	**69.9**	**65**	
		Max. Ø [mm²]	AWG
		0.14 - 6	**26 - 10**
IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	- / 4
4	-	-	4
26 - 10	26-10	26-10	26 - 10
Solid	Stranded	Ferrule without / with plastic sleeve	
0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	- 0.5 - 2.5
9			
M3			
0.6 - 0.8			
PA			
V0			

Type	Order No.	Pcs. / Pkt.
UTTB 4-PE	**3044759**	50
D-UTTB 2,5/4	**3047293**	50
DP-UTTB 2,5/4	**3047303**	50
FBS 2-6	**3030336**	50
FBS 3-6	**3030242**	50
FBS 4-6	**3030255**	50
FBS 5-6	**3030349**	50
FBS 10-6	**3030271**	10
FBS 20-6	**3030365**	10
ATP-UTTB 2,5/4	**3047316**	50
PAI-4	**3030925**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-6	**3030996**	10
SZS 0,6X3,5	**1205053**	10
UC-TM 6 (see page 479)		
ZB 6 (see page 487)		

Multi-level terminal blocks UTTB ...

Another typical feature of the double-level terminal block is the Phoenix Contact-specific offset of the individual levels. This makes the wiring clear. Even with a fully assembled terminal strip, the terminal point of the lower level is easy to operate and the labeling can be identified properly.

The types ...PE/L and ...PE/N provide ground conductor connection with the DIN rail in the lower level. The upper level is designed as a feed-through level. Clear potential distribution is possible due the color marking.



Current carrying capacity of DIN rails, see page 728.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



UTTB 2,5-PE/L

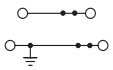
Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**69.9**	**65**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		28	**500**	**0.14 - 4**	**26 - 12**
Rated data		IEC 60947-7-1 / IEC 60947-7-2			
		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	-	600	-
Nominal current / cross-section	[A] / [mm²]	24 / 2.5	- / -	20 / -	-
Rated cross-section	[mm²]	2.5	-	-	-
Cross-section range	AWG	26 - 12	26-12	26-12	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5
Two conductors (of the same type)	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1.5
General data					
Stripping length	[mm]	9			
Screw thread		M3			
Tightening torque	[Nm]	0.5 - 0.6			
Insulating material		PA			
Inflammability class acc. to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		Gray	**UTTB 2,5-PE/L**		**3044678**	50

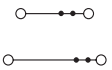
Accessories

Cover, width 2.2 mm		Gray	**D-UTTB 2,5/4**		**3047293**	50
Spacer plate, compensates for level offset if standard terminal blocks are to be fitted adjacently, 2.5 mm thick		Gray	**DP-UTTB 2,5/4**		**3047303**	50
Plug-in bridge for cross connections in the bridge shaft						
	2	Red	**FBS 2-5**	24 A	**3030161**	50
	3	Red	**FBS 3-5**	24 A	**3030174**	50
	4	Red	**FBS 4-5**	24 A	**3030187**	50
	5	Red	**FBS 5-5**	24 A	**3030190**	50
	10	Red	**FBS 10-5**	24 A	**3030213**	10
	20	Red	**FBS 20-5**	24 A	**3030226**	10
Partition plate, for visual and electrical separation of terminal groups, 2 mm thick		Gray	**ATP-UTTB 2,5/4**		**3047316**	50
Test adapter, for 4 mm Ø PS test plug and 4 mm safety test plug, makes contact in the bridge shaft		Gray	**PAI-4**		**3030925**	10
Test plug, consisting of: metal part for 2.3 mm Ø socket hole and			**MPS-MT**		**0201744**	10
insulating sleeve for MPS metal part		Red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		Red	**PS-5**		**3030983**	10
Screwdriver			**SZS 0,6X3,5**		**1205053**	10
UniCard sheet, for labeling the lateral groove			**UC-TM 5 (see page 479)**			
Zack marker strip, for labeling the lateral groove			**ZB 5 (see page 487)**			





UTTB 2,5-PE/N





UTTB 2,5-L/N

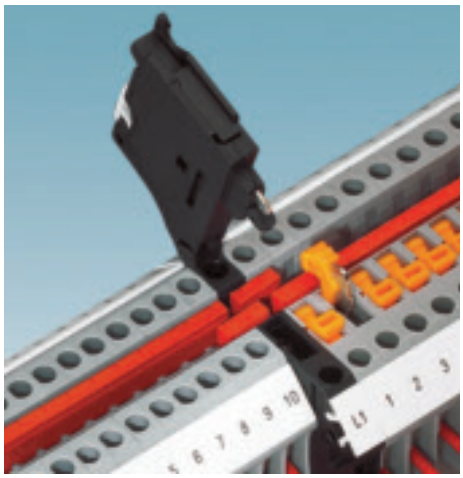
Width	Length	Height NS 35/7,5	
5.2	**69.9**	**65**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
28	**500**	**0.14 - 4**	**26 - 12**
IEC 60947-7-1 / IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	-	600	-
24 / 2.5	- / -	20 / -	-
2.5	-	-	-
26 - 12	26-12	26-12	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	- 0.5 - 1.5
9			
M3			
0.5 - 0.6			
PA			
V0			

Width	Length	Height NS 35/7,5	
5.2	**69.9**	**65**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
28	**500**	**0.14 - 4**	**26 - 12**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	600	600	-
24 / 2.5	20 / -	20 / -	-
2.5	-	-	-
26 - 12	26-12	26-12	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	- 0.5 - 1.5
9			
M3			
0.5 - 0.6			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
UTTB 2,5-PE/N		**3046731**	50
D-UTTB 2,5/4		**3047293**	50
DP-UTTB 2,5/4		**3047303**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
ATP-UTTB 2,5/4		**3047316**	50
PAI-4		**3030925**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
SZS 0,6X3,5		**1205053**	10
UC-TM 5 (see page 479)			
ZB 5 (see page 487)			

Type	I_{max}	Order No.	Pcs. / Pkt.
UTTB 2,5-L/N		**3044681**	50
D-UTTB 2,5/4		**3047293**	50
DP-UTTB 2,5/4		**3047303**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
ATP-UTTB 2,5/4		**3047316**	50
PAI-4		**3030925**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
SZS 0,6X3,5		**1205053**	10
UC-TM 5 (see page 479)			
ZB 5 (see page 487)			

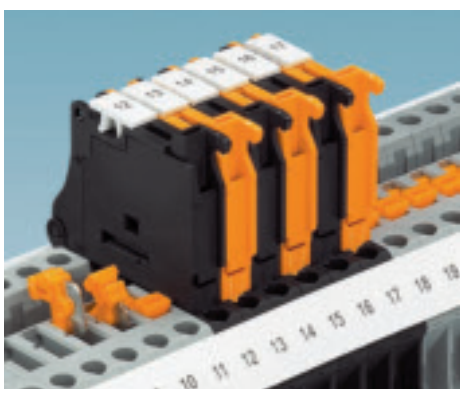
Lever-type fuse terminal blocks UT ...



The UT ...-HESI lever-type fuse terminal blocks function as a of the fuse carrier for 5 x 20 mm and 6.3 x 32 mm cartridge fuse inserts and perform all potential distribution tasks with the double bridge shaft.

UT 4-HEDI lever-type disconnect terminal blocks

The UT 4-HEDI lever-type disconnect terminal blocks are the same shape. This is why all terminal points can be labeled straight through. The terminal blocks therefore make it possible to route two separate potentials next to one another. This offers the advantage of a time-saving potential infeed.



For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

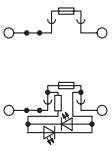
More plug-in bridges can be found on page 330.

[1]) If the fuse is faulty, the downstream circuit is not off load.

[2]) For max. power dissipation, see page 729.

[3]) The current is determined by the fuse used, the voltage by the light indicator.

[4]) The reducing bridge table should be followed, see page 332.





UT 4-HESI ... (5 x 20)

for G fuse inserts 5 x 20 mm

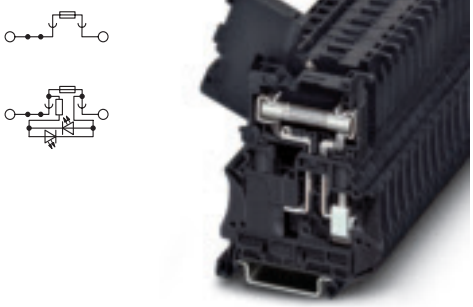
Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**6.2**	**57.8**	**73**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		6.3[2])	**500[3])**	**0.14 - 6**	**26 - 10**
Rated data		IEC 60947-7-3 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500[3])	600	600	-
Nominal current / cross-section	[A] / [mm²]	6.3[3]) / 1	6.3 / -	6.3 / -	-
Rated cross-section	[mm²]	4	-	-	-
Cross-section range	AWG	26 - 10	26-10	26-10	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
Two conductors (of the same type)	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 2.5
General data					
Stripping length	[mm]	9			
Screw thread		M3			
Tightening torque	[Nm]	0.6 - 0.8			
Insulating material		PA			
Inflammability class acc. to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Fuse terminal block, for mounting on NS 35..., for cartridge fuse inserts 5 x 20 mm.[1])		Black	**UT 4-HESI (5X20)**		**3046032**	50
With light indicator for 12-30 V AC/DC, 1-3 mA		Black	**UT 4-HESILED 24 (5X20)**		**3046090**	50
With light indicator for 30-60 V AC/DC, 0.95-2.5 mA		Black	**UT 4-HESILED 60 (5X20)**		**3046126**	50
With light indicator for 110-250 V AC/DC, 0.1-0.5 mA		Black	**UT 4-HESILA 250 (5X20)**		**3046100**	50
Fuse terminal block, for mounting on NS 35..., for cartridge fuse inserts 6.3 x 32 mm[1])		Black				
With light indicator for 12-30 V AC/DC, 1-3 mA		Black				
With light indicator for 30-60 V AC/DC, 0.95-2.5 mA		Black				
With light indicator for 110-250 V AC/DC, 0.1-0.5 mA		Black				
Disconnect terminal block, for mounting on NS 35...		Black				
With test socket screws		Black				

Accessories

Plug-in bridge for cross connections in the bridge shaft						
	2	Red	**FBS 2-6**	32 A	**3030336**	50
	3	Red	**FBS 3-6**	32 A	**3030242**	50
	4	Red	**FBS 4-6**	32 A	**3030255**	50
	5	Red	**FBS 5-6**	32 A	**3030349**	50
	10	Red	**FBS 10-6**	32 A	**3030271**	10
Reducing bridge, for connecting from UT to UT terminals[4])						
	2	Red				
Connection pin, for coupling several fuse terminal blocks, made of plastic, 1 m long		White	**VS**		**3004207**	1
Screwdriver			**SZS 0,6X3,5**		**1205053**	10
UniCard sheet, for lever labeling			**UC-TM 5 (see page 479)**			
UniCard sheet, for labeling the lateral groove			**UC-TM 6 (see page 479)**			
Zack marker strip, 10-section, for lever labeling			**ZB 5 (see page 487)**			
Zack marker strip, for labeling the lateral groove			**ZB 6 (see page 487)**			



UT 6-HESI ... (6,3 x 32)

for G fuse inserts 6.3 x 32 mm

Width	Length	Height NS 35/7,5	
8.2	**57.8**	**73**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
10[2])	**630[3])**	**0.2 - 10**	**24 - 8**
IEC 60947-7-3			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
630[3])	600	-	-
10[3]) / 1.5	10 / -	- / -	-
6	-	-	-
24 - 8	24-8	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 10	0.2 - 10	0.25 - 6	0.25 - 6
0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
			0.5 - 4
10			
M4			
1.5 - 1.8			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
UT 6-HESI (6,3X32)		**3046401**	50
UT 6-HESILED 24 (6,3X32)		**3046414**	50
UT 6-HESILED 60 (6,3X32)		**3046427**	50
UT 6-HESILA 250 (6,3X32)		**3046430**	50
FBS 2-8	41 A	**3030284**	10
FBS 3-8	41 A	**3030297**	10
FBS 4-8	41 A	**3030307**	10
FBS 5-8	41 A	**3030310**	10
FBS 10-8	41 A	**3030323**	10
RB UT 6-(2,5/4)		**3047251**	10
VS		**3004207**	1
SZS 1,0X4,0		**1205066**	10
UC-TM 6 (see page 479)			
UC-TM 8 (see page 479)			
ZB 6 (see page 487)			
ZB 8 (see page 489)			



UT 4-HEDI

Width	Length	Height NS 35/7,5	
6.2	**57.8**	**73**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
20	**500**	**0.14 - 6**	**26 - 10**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	600	600	-
20 / 2.5	16 / -	16 / -	-
4	-	-	-
26 - 10	26-10	26-10	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
			0.5 - 2.5
9			
M3			
0.6 - 0.8			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
UT 4-HEDI		**3046249**	50
FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 10-6	32 A	**3030271**	10
VS		**3004207**	1
SZS 0,6X3,5		**1205053**	10
UC-TM 5 (see page 479)			
UC-TM 6 (see page 479)			
ZB 5 (see page 487)			
ZB 6 (see page 487)			



UT 4-HEDI-P/P

With test socket screws

Width	Length	Height NS 35/7,5	
6.2	**57.8**	**73**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
20	**500**	**0.14 - 6**	**26 - 10**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	600	300	-
20 / 2.5	16 / -	16 / -	-
4	-	-	-
26 - 10	26-10	26-10	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
			0.5 - 2.5
9			
M3			
0.6 - 0.8			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
UT 4-HEDI-P/P		**3046252**	50
FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 10-6	32 A	**3030271**	10
VS		**3004207**	1
SZG 0,6X3,5		**1205121**	10
UC-TM 5 (see page 479)			
UC-TM 6 (see page 479)			
ZB 5 (see page 487)			
ZB 6 (see page 487)			

Lever-type fuse terminal blocks UT ...

Current carrying capacity of DIN rails, see page 728.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

More plug-in bridges can be found on page 330.

[1]) The max. current is determined by the diode. Integrated: diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 0.5 A

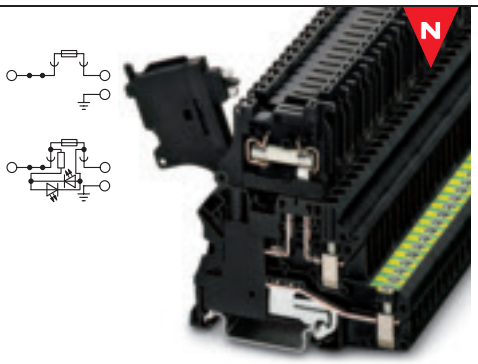
[2]) If the fuse is faulty, the downstream circuit is not off load.

[3]) Observe max. load current.

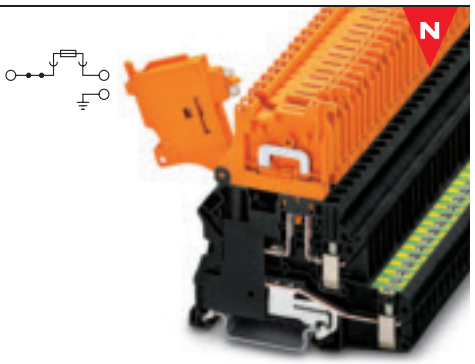
[4]) Observe max load current, depending on the power dissipation of the components. Max 0.5 W with single arrangement.

[5]) For max. power dissipation, see page 729.

[6]) The current is determined by the fuse used, the voltage by the light indicator.



UT 4-PE/HESI



UT 4-PE/HEDI

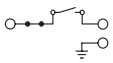
Dimensions		Width	Length	Height NS 35/7,5		Width	Length	Height NS 35/7,5	
	[mm]	**6.2**	**57.8**	**73**		**6.2**	**57.8**	**73**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG	$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		6.3[5])	**500[6])**	**0.14 - 6**	**26 - 10**	**20**	**500**	**0.14 - 6**	**26 - 10**
Rated data		IEC 60947-7-2 / IEC 60947-7-3				IEC 60947-7-1 / IEC 60947-7-2			
		IEC	UL / CUL	CSA	IEC/ EN 60079-7	IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500[6])	-	-	-	500	-	-	-
Nominal current / cross-section	[A] / [mm²]	6.3[6]) / 1	- / -	- / -	-	20 / 2.5	- / -	- / -	-
Rated cross-section	[mm²]	4	-	-	-	4	-	-	-
Cross-section range	AWG	26 - 10	-	-	-	26 - 10	-	-	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4	0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
Two conductors (of the same type)	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1.5				0.5 - 1.5
General data									
Stripping length	[mm]	9				9			
Screw thread		M3				M3			
Tightening torque	[Nm]	0.6 - 0.8				0.6 - 0.8			
Insulating material		PA				PA			
Inflammability class acc. to UL 94		V0				V0			

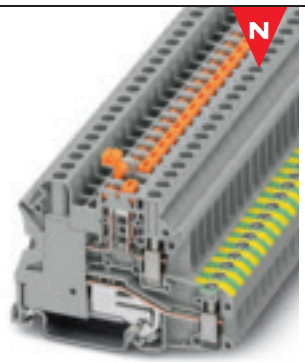
Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.	Type	I_{max}	Order No.	Pcs. / Pkt.
Fuse terminal block, for mounting on NS 35..., for cartridge fuse inserts 5 x 20 mm.[2])		Black	**UT 4-PE/HESI (5X20)**		**3073995**	50				
With light indicator for 12-30 V AC/DC, 1-3 mA		Black	**UT 4-PE/HESI LED 24 (5X20)**		**3070053**	50				
With light indicator for 30-60 V AC/DC, 0.95-2.5 mA		Black	**UT 4-PE/HESI LED 60 (5X20)**		**3070066**	50				
With light indicator for 110-250 V AC/DC, 0.1-0.5 mA		Black	**UT 4-PE/HESI LA 250 (5X20)**		**3070079**	50				
Disconnect terminal block, for mounting on NS 35...		Black					**UT 4-PE/HEDI**		**3074004**	50
Knife disconnect terminal block, for mounting on NS 35...		Gray								
With test socket screws		Gray								
Disconnect terminal block, for mounting on NS 35...		Gray								
With test socket screws		Gray								
Terminal block, with integrated diode, conducting from left to right		Gray								
Terminal block, with integrated diode, conducting from right to left		Gray								

Accessories

Plug-in bridge for cross connections in the bridge shaft										
	2	Red	**FBS 2-6**	32 A	**3030336**	50	**FBS 2-6**	32 A	**3030336**	50
	20	Red	**FBS 20-6**	32 A	**3030365**	10	**FBS 20-6**	32 A	**3030365**	10
Test plug, consisting of: metal part for 2.3 mm Ø socket hole and **insulating sleeve** for MPS metal part		Red								
Disconnect plugs[3])		Orange								
Feed-through connector[3])		Gray								
Component connector, labeled with ZBF 5 or UC-TMF 5[4])		Gray								
Fuse connector, width 6.2 mm[5])		Black								
Warning sign for UT series		Yellow								
Screwdriver			**SZS 0,6X3,5**		**1205053**	10	**SZS 0,6X3,5**		**1205053**	10
UniCard sheet, for lever labeling			**UC-TM 5 (see page 479)**				**UC-TM 5 (see page 479)**			
UniCard sheet, for labeling the lateral groove			**UC-TM 6 (see page 479)**				**UC-TM 6 (see page 479)**			
Zack marker strip, for lever labeling			**ZB 5 (see page 487)**				**ZB 5 (see page 487)**			
Zack marker strip, for labeling the lateral groove			**ZB 6 (see page 487)**				**ZB 6 (see page 487)**			

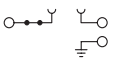


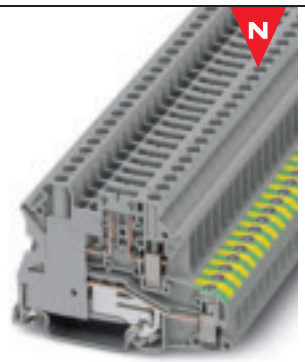


UT 4 PE/MT

Width	Length	Height NS 35/7,5	
6.2	**57.8**	**49.1**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
20	**500**	**0.14 - 6**	**26 - 10**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	-	-	-
20 / 2.5	- / -	- / -	-
4	-	-	-
26 - 10	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
0.14 - 1.5	0.14 - 1.5	0.25 - 1.5	-
			0.5 - 2.5
9			
M3			
0.6 - 0.8			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
UT 4 PE/MT		**3070011**	50
UT 4-PE/MT P/P		**3046140**	50
FBS 2-6	32 A	**3030336**	50
FBS 20-6	32 A	**3030365**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
WS UT 4		**3047332**	10
SZS 0,6X3,5		**1205053**	10
UC-TM 6 (see page 479)			
ZB 6 (see page 487)			

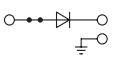


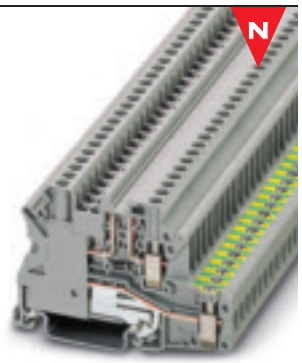


UT 4-PE/TG

Width	Length	Height NS 35/7,5	
6.2	**57.8**	**47.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
20	**500**	**0.14 - 6**	**26 - 10**
IEC 60947-7-1 / IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	-	-	-
20 / 2.5	- / -	- / -	-
4	-	-	-
26 - 10	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
			0.5 - 1.5
9			
M3			
0.6 - 0.8			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
UT 4-PE/TG		**3070024**	50
UT 4-PE/TG P/P		**3070037**	50
FBS 2-6	32 A	**3030336**	50
FBS 20-6	32 A	**3030365**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
P-DI		**3036783**	50
P-FIX		**3038956**	50
P-CO		**3036796**	10
P-FU 5X20		**3036806**	10
WS UT 4		**3047332**	10
SZS 0,6X3,5		**1205053**	10
UC-TM 6 (see page 479)			
ZB 6 (see page 487)			



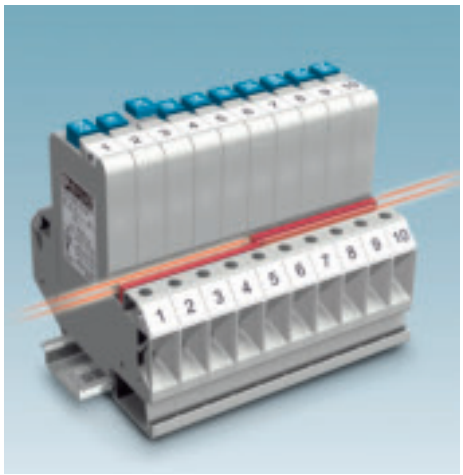


UT 4-PE/L-DIO ...

Width	Length	Height NS 35/7,5	
6.2	**57.8**	**47.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
[1])	**500**	**0.14 - 6**	**26 - 10**
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	-	-	-
0.5[1]) / 1	- / -	- / -	-
4	-	-	-
26 - 10	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
			0.5 - 2.5
9			
M3			
0.6 - 0.8			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
UT 4-PE/L-DIO L/R P/P		**3046834**	50
UT 4-PE/L-DIO R/L P/P		**3046235**	50
FBS 2-6	32 A	**3030336**	50
FBS 20-6	32 A	**3030365**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
WS UT 4		**3047332**	10
SZS 0,6X3,5		**1205053**	10
UC-TM 6 (see page 479)			
ZB 6 (see page 487)			

Thermomagnetic circuit breaker
UT 6-TMC ...



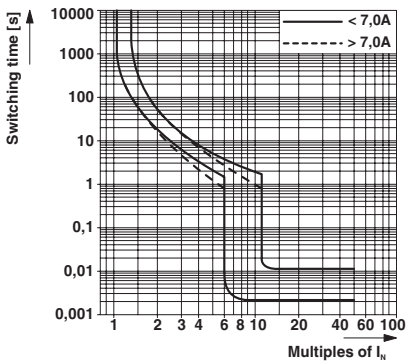


For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

The UT 6-TMC thermomagnetic circuit breakers are impressive due to their compact design, large-surface labeling options and the double plug-in bridge shafts. They are integrated into the CLIPLINE complete system via the plug-in bridge shaft.

Thanks to their restartability and clear status display, the device protection switches ensure high system availability. Eleven nominal current levels from 0.5 A to 16 A are available.

The large-surface center labeling enables a clear allocation of the relevant circuit breaker.



Trigger characteristic

A complete **data sheet is available for each item at www.phoenixcontact.net/eshop** for downloading.

Dimensions	
	[mm]
Max. electrical data	
Rated data	
Rated voltage	[V]
Nominal current / cross-section	[A] / [mm²]
Rated cross-section	[mm²]
Cross-section range	AWG
Connection capacity	
One conductor	[mm²]
Two conductors (of the same type)	[mm²]
Two stranded conductors with a TWIN ferrule	[mm²]
Operating data	
Nominal voltage	
Nominal voltage	
Nominal current	[A]
Switch-off time	
Switching capacity I_{CN}	
UT 6-TMC ... 0.5 A - UT 6-TMC ... 5 A	[A]
UT 6-TMC ... 6 A - UT 6-TMC ... 16 A	[A]
Life	
Cycles with 1 x I_N	
General data	
Weight	[g]
Temperature range	[°C]
Insulating material	
Inflammability class acc. to UL 94	

Ordering data

Description	Nominal current	Color
Thermomagnetic circuit breaker, for mounting on NS 35...	0.5 A	Gray
	1 A	Gray
	2 A	Gray
	4 A	Gray
	5 A	Gray
	6 A	Gray
	8 A	Gray
	10 A	Gray
	12 A	Gray
	15 A	Gray
	16 A	Gray

Accessories

Plug-in bridge for cross connections in the bridge shaft		
	2	Red
	3	Red
	4	Red
	5	Red
	10	Red
	20	Red
Warning sign for UT series		Yellow
Screwdriver		
UniCard sheet, for labeling the lateral groove		
Zack marker strip, for labeling the lateral groove		



UT 6-TMC M ...

Width	Length	Height NS 35/7,5	
12.3	**86**	**88.5**	
	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
	240	**0.2 - 10**	**24 - 8**

IEC	UL / CUL	CSA	IEC/ EN 60079-7
240	-	-	-
0.5 / 6	- / -	- / -	- / -
6	-	-	-
24 - 8	-	-	-

Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 10	0.2 - 10	0.25 - 6	0.25 - 6
0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	- 0.5 - 4

240 V AC
28 V DC
Dependent on the article variant selected
Refer to the time/current characteristic curve

200 AC / 400 DC
200 AC / 400 DC

5000

50
-5 ... 60
PA
V0

Type	I_{max}	Order No.	Pcs. / Pkt.
UT 6-TMC M 0,5A		**0916603**	6
UT 6-TMC M 1A		**0916604**	6
UT 6-TMC M 2A		**0916605**	6
UT 6-TMC M 4A		**0916606**	6
UT 6-TMC M 5A		**0916607**	6
UT 6-TMC M 6A		**0916608**	6
UT 6-TMC M 8A		**0916609**	6
UT 6-TMC M 10A		**0916610**	6
UT 6-TMC M 12A		**0916611**	6
UT 6-TMC M 15A		**0916612**	6
UT 6-TMC M 16A		**0916613**	6

FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 10-6	32 A	**3030271**	10
FBS 20-6	32 A	**3030365**	10
WS UT 6		**3047345**	10
SZS 1,0X4,0		**1205066**	10
UC-TM 12 (see page 481)			
ZB 12 (see page 490)			

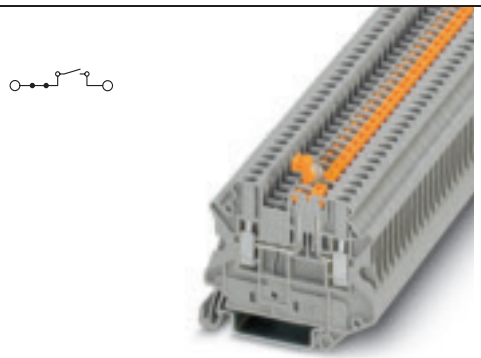
Knife disconnect terminal blocks UT ...-MT

The knife disconnect terminal blocks are characterized by a compact design and a high current carrying capacity of 20 A. They can be bridged with the standard terminal blocks using the double bridge shaft.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) The max. load current must not be exceeded by the total current of all connected conductors.

[2]) The reducing bridge table should be followed, see page 332.



UT 2,5-MT ...



UT 4-MT ...

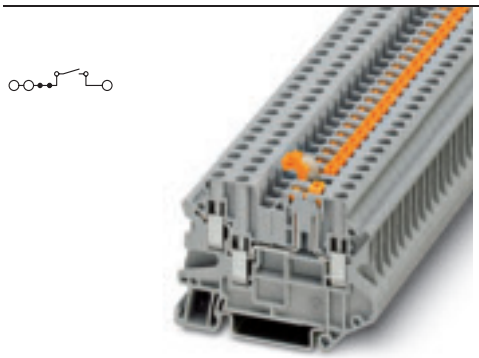
Dimensions		Width	Length	Height NS 35/7,5		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**57.8**	**49.1**		**6.2**	**57.8**	**49.1**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG	$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		20	**400**	**0.14 - 4**	**26 - 12**	**20**	**500**	**0.14 - 6**	**26 - 10**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7	IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400	300	-	-	500	600	600	-
Nominal current / cross-section	[A] / [mm²]	20 / 2.5	20 / -	- / -	-	20 / 2.5	16 / -	16 / -	-
Rated cross-section	[mm²]	2.5	-	-	-	4	-	-	-
Cross-section range	AWG	26 - 12	26-12	-	-	26 - 10	26-10	26-10	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
Two conductors (of the same type)	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1.5				0.5 - 2.5
General data									
Stripping length	[mm]	9				9			
Screw thread		M3				M3			
Tightening torque	[Nm]	0.5 - 0.6				0.6 - 0.8			
Insulating material		PA				PA			
Inflammability class acc. to UL 94		V0				V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.	Type	I_{max}	Order No.	Pcs. / Pkt.
Knife disconnect terminal block, for mounting on NS 35...		Gray	**UT 2,5-MT**		**3046362**	50	**UT 4-MT**		**3046139**	50
		Blue	**UT 2,5-MT BU**		**3046553**	50	**UT 4-MT BU**		**3046278**	50
With test socket screws		Gray	**UT 2,5-MT-P/P**		**3046375**	50	**UT 4-MT-P/P**		**3046171**	50
		Blue	**UT 2,5-MT P/P BU**		**3046566**	50	**UT 4-MT-P/P BU**		**3046265**	50

Accessories

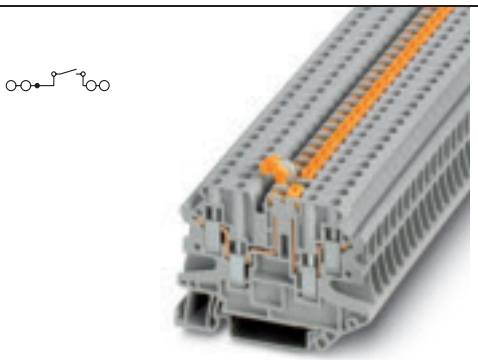
Cover, width 2.2 mm		Gray	**D-UT 2,5/4-TWIN**		**3047141**	50				
End cover segment, for covering multi-conductor terminal blocks when two-conductor terminal blocks are aligned		Gray	**DS-UT 2,5/4**		**3047109**	50				
Plug-in bridge for cross connections in the bridge shaft										
	2	Red	**FBS 2-5**	24 A	**3030161**	50	**FBS 2-6**	32 A	**3030336**	50
	3	Red	**FBS 3-5**	24 A	**3030174**	50	**FBS 3-6**	32 A	**3030242**	50
	4	Red	**FBS 4-5**	24 A	**3030187**	50	**FBS 4-6**	32 A	**3030255**	50
	5	Red	**FBS 5-5**	24 A	**3030190**	50	**FBS 5-6**	32 A	**3030349**	50
	10	Red	**FBS 10-5**	24 A	**3030213**	10	**FBS 10-6**	32 A	**3030271**	10
	20	Red	**FBS 20-5**	24 A	**3030226**	10	**FBS 20-6**	32 A	**3030365**	10
Reducing bridge, for connecting from UT to UT terminals[2])										
	2	Red								
Reducing bridge, for connecting from UT to PIT, ST or QTC terminal blocks[2])										
	2	Red								
Partition plate, for visual and electrical separation of terminal groups, 2 mm thick		Gray	**ATP-UT-TWIN**		**3047183**	50	**ATP-UT-TWIN**		**3047183**	50
Test adapter, for 4 mm Ø PS test plug and 4 mm safety test plug, makes contact in the bridge shaft		Gray	**PAI-4**		**3030925**	10	**PAI-4**		**3030925**	10
Test plug, consisting of: metal part for 2.3 mm Ø socket hole and			**MPS-MT**		**0201744**	10	**MPS-MT**		**0201744**	10
insulating sleeve for MPS metal part		Red	**MPS-IH RD**		**0201676**	10	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		Red	**PS-5**		**3030983**	10	**PS-6**		**3030996**	10
Warning sign for UT series		Yellow	**WS UT 2,5**		**3047923**	10	**WS UT 4**		**3047332**	10
Screwdriver			**SZS 0,6X3,5**		**1205053**	10	**SZS 0,6X3,5**		**1205053**	10
UniCard sheet, for labeling the lateral groove			**UC-TM 5 (see page 479)**				**UC-TM 6 (see page 479)**			
Zack marker strip, for labeling the lateral groove			**ZB 5 (see page 487)**				**ZB 6 (see page 487)**			



UT 4-TWIN-MT ...

Width	Length	Height NS 35/7,5	
6.2	**65.4**	**49.1**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
20[1])	**500**	**0.14 - 6**	**26 - 10**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	300	-	-
20[1]) / 2.5	20 / -	- / -	-
4	-	-	-
26 - 10	26-10	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
			0.5 - 2.5
9			
M3			
0.6 - 0.8			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
UT 4-TWIN-MT		**3046003**	50
UT 4-TWIN-MT BU		**3073018**	50
UT 4-TWIN-MT P/P		**3064014**	50
UT 4-TWIN-MT P/P BU		**3073021**	50
D-UT 2,5/4-QUATTRO		**3047170**	50
DS-UT 2,5/4		**3047109**	50
FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 10-6	32 A	**3030271**	10
FBS 20-6	32 A	**3030365**	10
ATP-UT-QUATTRO		**3047196**	50
PAI-4		**3030925**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
WS UT 4		**3047332**	10
SZS 0,6X3,5		**1205053**	10
UC-TM 6 (see page 479)			
ZB 6 (see page 487)			



UT 4-QUATTRO-MT ...

Width	Length	Height NS 35/7,5	
6.2	**65.4**	**49.1**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
20[1])	**500**	**0.14 - 6**	**26 - 10**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	300	-	-
20[1]) / 2.5	20 / -	- / -	-
4	-	-	-
26 - 10	26-10	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
			0.5 - 2.5
9			
M3			
0.6 - 0.8			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
UT 4-QUATTRO-MT		**3064043**	50
UT 4-QUATTRO-MT BU		**3073050**	50
UT 4-QUATTRO-MT P/P		**3064056**	50
UT 4-QUATTRO-MT P/P BU		**3073063**	50
D-UT 2,5/4-QUATTRO		**3047170**	50
DS-UT 2,5/4		**3047109**	50
FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 10-6	32 A	**3030271**	10
FBS 20-6	32 A	**3030365**	10
ATP-UT-QUATTRO		**3047196**	50
PAI-4		**3030925**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
WS UT 4		**3047332**	10
SZS 0,6X3,5		**1205053**	10
UC-TM 6 (see page 479)			
ZB 6 (see page 487)			



UT 6-MT ...

Width	Length	Height NS 35/7,5	
8.2	**57.8**	**49.1**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
20	**500**	**0.2 - 10**	**24 - 8**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	600	-	-
20 / 2.5	20 / -	- / -	-
6	-	-	-
24 - 8	24-8	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 10	0.2 - 10	0.25 - 6	0.25 - 6
0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
			0.5 - 4
10			
M4			
1.5 - 1.8			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
UT 6-MT		**3064069**	50
UT 6-MT BU		**3073267**	50
UT 6-MT P/P		**3064072**	50
UT 6-MT P/P BU		**3073270**	50
FBS 2-8	41 A	**3030284**	10
FBS 3-8	41 A	**3030297**	10
FBS 4-8	41 A	**3030307**	10
FBS 5-8	41 A	**3030310**	10
FBS 10-8	41 A	**3030323**	10
RB UT 6-(2,5/4)		**3047251**	10
RB UT 6-ST(2,5/4)		**3047264**	10
ATP-UT-TWIN		**3047183**	50
PAI-4		**3030925**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-8		**3031005**	10
WS UT 6		**3047345**	10
SZS 1,0X4,0		**1205066**	10
UC-TM 8 (see page 479)			
ZB 8 (see page 489)			

Disconnect terminal blocks UT ...-TG

The disconnect terminal blocks can accommodate various function connectors, see page 336.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

1) The max. load current must not be exceeded by the total current of all connected conductors.

2) Observe max. load current.

3) Observe max load current, depending on the power dissipation of the components. Max 0.5 W with single arrangement.

4) For max. power dissipation, see page 729.

5) Current and voltage are determined by the connector used.

6) The reducing bridge table should be followed, see page 332.



UT 2,5-TG ...



UT 4-TG ...

Dimensions		Width	Length	Height NS 35/7,5		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**57.8**	**47.5**		**6.2**	**57.8**	**47.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG	$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		20[5])	**400[5])**	**0.14 - 4**	**26 - 12**	**20[5])**	**400[5])**	**0.14 - 6**	**26 - 10**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7	IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400[5])	300	-	-	400[5])	600	600	-
Nominal current / cross-section	[A] / [mm²]	20[5]) / 2.5	20 / -	- / -	-	20[5]) / 2.5	16 / -	16 / -	-
Rated cross-section	[mm²]	2.5	-	-	-	4	-	-	-
Cross-section range	AWG	26 - 12	26-12	-	-	26 - 10	26-10	26-10	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
Two conductors (of the same type)	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1.5				0.5 - 2.5
General data									
Stripping length	[mm]	9				9			
Screw thread		M3				M3			
Tightening torque	[Nm]	0.5 - 0.6				0.6 - 0.8			
Insulating material		PA				PA			
Inflammability class acc. to UL 94		V0				V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.	Type	I_{max}	Order No.	Pcs. / Pkt.
Disconnect terminal block, for mounting on NS 35...		Gray	**UT 2,5-TG**		**3046388**	50	**UT 4-TG**		**3046142**	50
		Blue	**UT 2,5-TG BU**		**3046579**	50	**UT 4-TG BU**		**3073283**	50
With test socket screws		Gray	**UT 2,5-TG-P/P**		**3046391**	50	**UT 4-TG-P/P**		**3046168**	50
		Blue	**UT 2,5-TG-P/P BU**		**3046582**	50	**UT 4-TG-P/P BU**		**3073296**	50

Accessories

Cover, width 2.2 mm		Gray	**D-UT 2,5/4-TWIN**		**3047141**	50				
End cover segment, for covering multi-conductor terminal blocks when two-conductor terminal blocks are aligned		Gray	**DS-UT 2,5/4**		**3047109**	50				
Plug-in bridge for cross connections in the bridge shaft										
	2	Red	**FBS 2-5**	24 A	**3030161**	50	**FBS 2-6**	32 A	**3030336**	50
	3	Red	**FBS 3-5**	24 A	**3030174**	50	**FBS 3-6**	32 A	**3030242**	50
	4	Red	**FBS 4-5**	24 A	**3030187**	50	**FBS 4-6**	32 A	**3030255**	50
	5	Red	**FBS 5-5**	24 A	**3030190**	50	**FBS 5-6**	32 A	**3030349**	50
	10	Red	**FBS 10-5**	24 A	**3030213**	10	**FBS 10-6**	32 A	**3030271**	10
	20	Red	**FBS 20-5**	24 A	**3030226**	10	**FBS 20-6**	32 A	**3030365**	10
Reducing bridge, for connecting from UT to UT terminals[6])										
	2	Red								
Reducing bridge, for connecting from UT to PIT, ST or QTC terminal blocks[6])										
	2	Red								
Partition plate, for visual and electrical separation of terminal groups, 2 mm thick		Gray	**ATP-UT-TWIN**		**3047183**	50	**ATP-UT-TWIN**		**3047183**	50
Modular test plug, for the individual assembly of test plug strips		Red	**PS-5**		**3030983**	10	**PS-6**		**3030996**	10
Disconnect plugs[2])		Orange	**P-DI**		**3036783**	50	**P-DI**		**3036783**	50
Feed-through connector[2])		Gray	**P-FIX**		**3038956**	50	**P-FIX**		**3038956**	50
Component connector, labeled with ZBF 5 or UC-TMF 5[3])		Gray	**P-CO**		**3036796**	10	**P-CO**		**3036796**	10
Fuse connector, width 6.2 mm[4])		Black	**P-FU 5X20**		**3036806**	10	**P-FU 5X20**		**3036806**	10
Width 8.2 mm		Black								
Warning sign for UT series		Yellow	**WS UT 2,5**		**3047923**	10	**WS UT 4**		**3047332**	10
Screwdriver			**SZS 0,6X3,5**		**1205053**	10	**SZS 0,6X3,5**		**1205053**	10
UniCard sheet, for labeling the lateral groove			**UC-TM 5 (see page 479)**				**UC-TM 6 (see page 479)**			
Zack marker strip, for labeling the lateral groove			**ZB 5 (see page 487)**				**ZB 6 (see page 487)**			



UT 4-TWIN-TG ...

Width	Length	Height NS 35/7,5	
6.2	**65.4**	**47.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
20[1])	**500[5])**	**0.14 - 6**	**26 - 10**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500[5])	300	-	-
20[5]) / 2.5	20 / -	- / -	-
4	-	-	-
26 - 10	26-10	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
			0.5 - 2.5
9			
M3			
0.6 - 0.8			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
UT 4-TWIN-TG		**3046595**	50
UT 4-TWIN-TG BU		**3073034**	50
UT 4-TWIN-TG P/P		**3046605**	50
UT 4-TWIN-TG P/P BU		**3073047**	50
D-UT 2,5/4-QUATTRO		**3047170**	50
DS-UT 2,5/4		**3047109**	50
FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 10-6	32 A	**3030271**	10
FBS 20-6	32 A	**3030365**	10
ATP-UT-QUATTRO		**3047196**	50
PS-6		**3030996**	10
P-DI		**3036783**	50
P-FIX		**3038956**	50
P-CO		**3036796**	10
P-FU 5X20		**3036806**	10
WS UT 4		**3047332**	10
SZS 0,6X3,5		**1205053**	10
UC-TM 6 (see page 479)			
ZB 6 (see page 487)			



UT 4-QUATTRO-TG ...

Width	Length	Height NS 35/7,5	
6.2	**65.4**	**47.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
20[1])	**500[5])**	**0.14 - 6**	**26 - 10**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500[5])	300	-	-
20[5]) / 2.5	20 / -	- / -	-
4	-	-	-
26 - 10	26-10	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
			0.5 - 2.5
9			
M3			
0.6 - 0.8			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
UT 4-QUATTRO-TG		**3064027**	50
UT 4-QUATTRO-TG BU		**3073076**	50
UT 4-QUATTRO-TG P/P		**3064030**	50
UT 4-QUATTRO-TG P/P BU		**3073089**	50
D-UT 2,5/4-QUATTRO		**3047170**	50
DS-UT 2,5/4		**3047109**	50
FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 10-6	32 A	**3030271**	10
FBS 20-6	32 A	**3030365**	10
ATP-UT-QUATTRO		**3047196**	50
PS-6		**3030996**	10
P-DI		**3036783**	50
P-FIX		**3038956**	50
P-CO		**3036796**	10
P-FU 5X20		**3036806**	10
WS UT 4		**3047332**	10
SZS 0,6X3,5		**1205053**	10
UC-TM 6 (see page 479)			
ZB 6 (see page 487)			

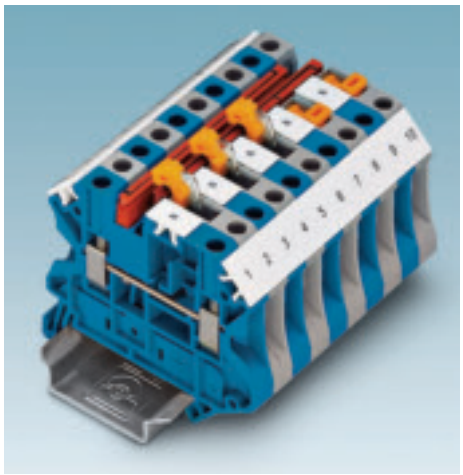


UT 6-TG ...

Width	Length	Height NS 35/7,5	
8.2	**57.8**	**47.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
20[5])	**500[5])**	**0.2 - 10**	**24 - 8**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500[5])	600	-	-
20[5]) / 2.5	20 / -	- / -	-
6	-	-	-
24 - 8	24-8	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 10	0.2 - 10	0.25 - 6	0.25 - 6
0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
			0.5 - 4
10			
M4			
1.5 - 1.8			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
UT 6-TG		**3046485**	50
UT 6-TG BU		**3073856**	50
UT 6-TG P/P		**3073869**	50
UT 6-TG P/P BU		**3073872**	50
FBS 2-8	41 A	**3030284**	10
FBS 3-8	41 A	**3030297**	10
FBS 4-8	41 A	**3030307**	10
FBS 5-8	41 A	**3030310**	10
FBS 10-8	41 A	**3030323**	10
RB UT 6-(2,5/4)		**3047251**	10
RB UT 6-ST(2,5/4)		**3047264**	10
ATP-UT-TWIN		**3047183**	50
PS-8		**3031005**	10
P-DI		**3036783**	50
P-FIX		**3038956**	50
P-CO		**3036796**	10
P-FU 5X20		**3036806**	10
P-FU 6,3X32		**3046498**	10
WS UT 6		**3047345**	10
SZS 1,0X4,0		**1205066**	10
UC-TM 8 (see page 479)			
ZB 8 (see page 489)			

Feed-through and component terminal blocks UT 2,5-MTD-...



Current carrying capacity of DIN rails, see page 728.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

1) The max. current is determined by the diode. Integrated: diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 0.5 A



UT 2,5-MTD ...

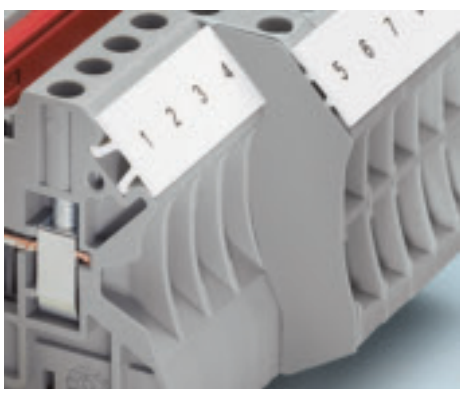
For a uniform structure of your terminal strip, feed-through terminal blocks of the same shape are available for disconnect terminal blocks and knife disconnect terminal blocks. This has the advantage of continuous labeling and bridging of the terminal blocks.

The UT 2,5-MTD-PE ground terminal block rounds off the range. Reliable mechanical and electrical contacting to the DIN rail is established by simply snapping the terminal block onto the DIN rail as with the entire UT series.

The UT 2,5-MTD-DIO... component terminal blocks can be used for a multitude of switching tasks. The diode 1N 4007 can be soldered in either from left to right or from right to left. The double bridge shaft permits combination with all standard and function terminal blocks.

End cover segments

End cover segments cover protruding terminal block segments of three and four-conductor terminal blocks when two-conductor terminal blocks are aligned. This ensures that they are touch proof.



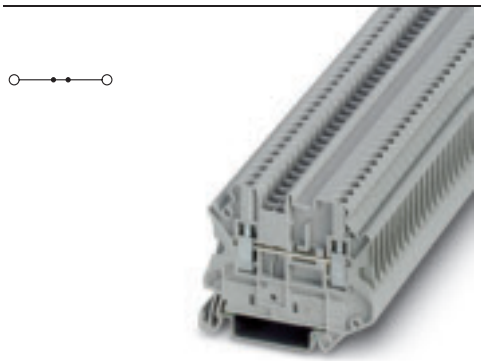
Dimensions		Width	Length	Height NS 35/7,5
	[mm]	**5.2**	**57.8**	**47.5**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²] / AWG
		32	**800**	**0.14 - 4 / 26 - 12**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA / IEC/ EN 60079-7
Rated voltage	[V]	800	600	-
Nominal current / cross-section	[A] / [mm²]	24 / 2.5	20 / -	- / -
Rated cross-section	[mm²]	2.5	-	-
Cross-section range	AWG	26 - 12	26-12	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve
One conductor	[mm²]	0.14 - 4	0.14 - 4	0.14 - 2.5 / 0.14 - 2.5
Two conductors (of the same type)	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5 / -
Two stranded conductors with a TWIN ferrule	[mm²]			0.5 - 1.5
General data				
Stripping length	[mm]	9		
Screw thread		M3		
Tightening torque	[Nm]	0.5 - 0.6		
Insulating material		PA		
Inflammability class acc. to UL 94		V0		

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Feed-through terminal block, for mounting on NS 35...		Gray	**UT 2,5-MTD**		**3064085**	50
		Blue	**UT 2,5-MTD BU**		**3064108**	50
Feed-through terminal block, with test socket screws, for mounting on NS 35...		Gray				
		Blue				
Ground terminal block, for mounting on NS 35...		Green-yellow				
Terminal block, with integrated diode, conducting from left to right		Gray				
Conducting from right to left		Gray				

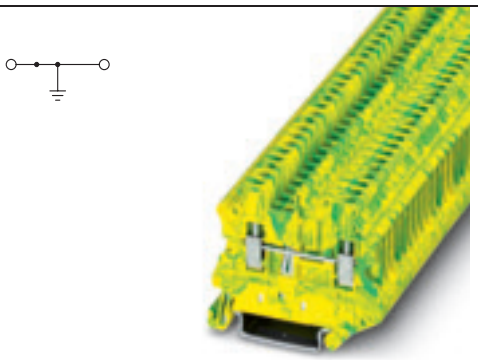
Accessories

Cover, width 2.2 mm		Gray	**D-UT 2,5/4-TWIN**		**3047141**	50
End cover segment, for covering multi-conductor terminal blocks when two-conductor terminal blocks are aligned		Gray	**DS-UT 2,5/4**		**3047109**	50
Plug-in bridge for cross connections in the bridge shaft						
	2	Red	**FBS 2-5**	24 A	**3030161**	50
	3	Red	**FBS 3-5**	24 A	**3030174**	50
	4	Red	**FBS 4-5**	24 A	**3030187**	50
	5	Red	**FBS 5-5**	24 A	**3030190**	50
	10	Red	**FBS 10-5**	24 A	**3030213**	10
	20	Red	**FBS 20-5**	24 A	**3030226**	10
Partition plate, for visual and electrical separation of terminal groups, 2 mm thick		Gray	**ATP-UT-TWIN**		**3047183**	50
Test plug, consisting of: metal part for 2.3 mm Ø socket hole and			**MPS-MT**		**0201744**	10
insulating sleeve for MPS metal part		Red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		Red	**PS-5**		**3030983**	10
Warning sign for UT series		Yellow	**WS UT 2,5**		**3047923**	10
Screwdriver			**SZS 0,6X3,5**		**1205053**	10
UniCard sheet, for labeling the center and side grooves			**UC-TM 5 (see page 479)**			
Zack marker strips for labeling the center and side grooves			**ZB 5 (see page 487)**			

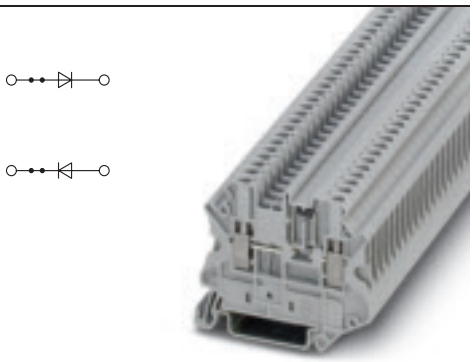


UT 2,5-MTD P/P ...

With test socket screws



UT 2,5-MTD-PE



UT 2,5-MTD-DIO ...

Width	Length	Height NS 35/7,5	
5.2	**57.8**	**47.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
32	**630**	**0.14 - 4**	**26 - 12**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
630	600	-	-
24 / 2.5	20 / -	- / -	-
2.5	-	-	-
26 - 12	26-12	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	- 0.5 - 1.5
9			
M3			
0.5 - 0.6			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
UT 2,5-MTD P/P		**3064098**	50
UT 2,5-MTD P/P BU		**3064111**	50
D-UT 2,5/4-TWIN		**3047141**	50
DS-UT 2,5/4		**3047109**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
ATP-UT-TWIN		**3047183**	50
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
WS UT 2,5		**3047923**	10
SZG 0,6X3,5		**1205121**	10
UC-TM 5 (see page 479)			
ZB 5 (see page 487)			

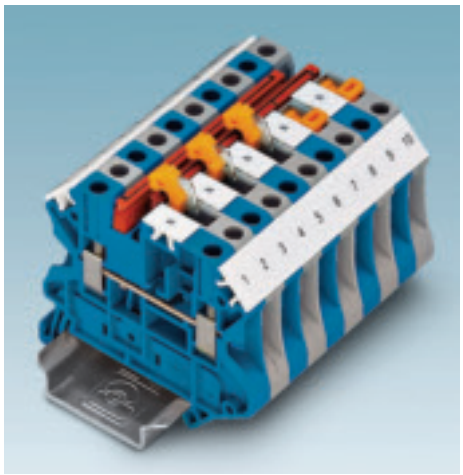
Width	Length	Height NS 35/7,5	
5.2	**57.8**	**47.5**	
		Max. Ø [mm²]	AWG
		0.14 - 4	**26 - 12**
IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	-
2.5	-	-	-
26 - 12	26-12	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	- 0.5 - 1.5
9			
M3			
0.5 - 0.6			
PA			
V0			

Type	Order No.	Pcs. / Pkt.
UT 2,5-MTD-PE	**3064124**	50
D-UT 2,5/4-TWIN	**3047141**	50
DS-UT 2,5/4	**3047109**	50
FBS 2-5	**3030161**	50
FBS 3-5	**3030174**	50
FBS 4-5	**3030187**	50
FBS 5-5	**3030190**	50
FBS 10-5	**3030213**	10
FBS 20-5	**3030226**	10
ATP-UT-TWIN	**3047183**	50
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-5	**3030983**	10
WS UT 2,5	**3047923**	10
SZS 0,6X3,5	**1205053**	10
UC-TM 5 (see page 479)		
ZB 5 (see page 487)		

Width	Length	Height NS 35/7,5	
5.2	**57.8**	**47.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
0.5[1])	**800**	**0.14 - 4**	**26 - 12**
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800	600	-	-
0.5[1]) / 1	0.5 / -	- / -	-
2.5	-	-	-
26 - 12	26-12	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	- 0.5 - 1.5
9			
M3			
0.5 - 0.6			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
UT 2,5-MTD-DIO/L-R		**3064137**	50
UT 2,5-MTD-DIO/R-L		**3064140**	50
D-UT 2,5/4-TWIN		**3047141**	50
DS-UT 2,5/4		**3047109**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
ATP-UT-TWIN		**3047183**	50
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
WS UT 2,5		**3047923**	10
SZS 0,6X3,5		**1205053**	10
UC-TM 5 (see page 479)			
ZB 5 (see page 487)			

Feed-through and component terminal blocks UT 4-MTD...



Feed-through terminal blocks with disconnect option are a standard in state-of-the-art control technology.

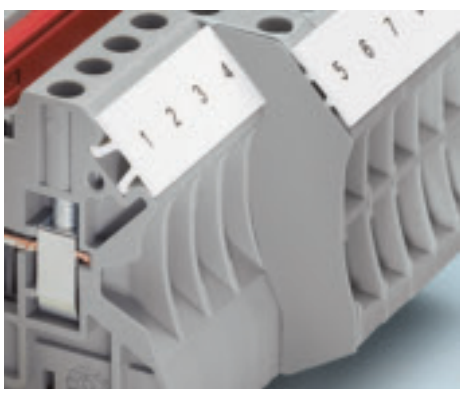
A variety of circuits can be implemented with the UT 4-MTD-DIO... component terminal blocks. The diode 1N 4007 can be soldered in either from left to right or from right to left. The diode terminal blocks are the same shape as the UT 4-MTD feed-through terminal blocks. The double bridge shaft permits combination with all standard and function terminal blocks.

The UT 4-MTD terminal blocks are the same shape as the disconnect, knife disconnect and fuse terminal blocks. This has the advantage of allowing continuous labeling of the terminal points.

The UT 4-MTD-PE ground terminal block rounds off the range. Reliable mechanical and electrical contacting is established by simply snapping the terminal block onto the rail as with the entire UT series.

End cover segments

End cover segments cover protruding terminal block segments of three and four-conductor terminal blocks when two-conductor terminal blocks are aligned. This ensures that they are touch proof.



Current carrying capacity of DIN rails, see page 728.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) The max. current is determined by the diode. Integrated: diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 0.5 A

[2]) For information on installation for using accessories for Ex e applications, see page 720.



UT 4-MTD ...

Ex: KEMA 04ATEX2048 U / IECEx KEM 06.0027U

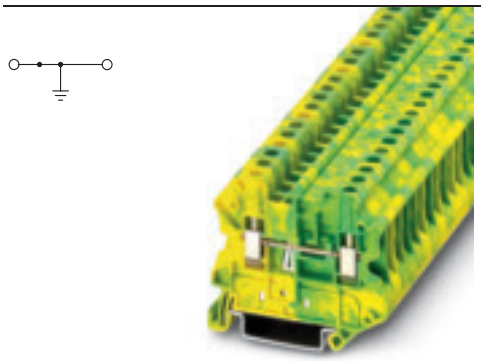
Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**6.2**	**57.8**	**47.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		41	**800**	**0.14 - 6**	**26 - 10**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	800	600	600	690
Nominal current / cross-section	[A] / [mm²]	32 / 4	30 / -	30 / -	29 / 4 // 36 / 6
Rated cross-section	[mm²]	4	-	-	4
Cross-section range	AWG	26 - 10	26-10	26-10	26 - 10
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
Two conductors (of the same type)	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 2.5
General data					
Stripping length	[mm]	9			
Screw thread		M3			
Tightening torque	[Nm]	0.6 - 0.8			
Insulating material		PA			
Inflammability class acc. to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Feed-through terminal block, for mounting on NS 35...		Gray	**UT 4-MTD**		**3046184**	50
		Blue	**UT 4-MTD BU**		**3046197**	50
Ground terminal block, for mounting on NS 35..., with snap-on foot		Green-yellow				
with screw foot		Green-yellow				
Terminal block, with integrated diode, conducting from left to right		Gray				
Conducting from right to left		Gray				

Accessories[2])

Cover, width 2.2 mm		Gray	**D-UT 2,5/4-TWIN**		**3047141**	50
End cover segment, for covering multi-conductor terminal blocks when two-conductor terminal blocks are aligned		Gray	**DS-UT 2,5/4**		**3047109**	50
Plug-in bridge for cross connections in the bridge shaft						
	2	Red	**FBS 2-6**	32 A	**3030336**	50
	3	Red	**FBS 3-6**	32 A	**3030242**	50
	4	Red	**FBS 4-6**	32 A	**3030255**	50
	5	Red	**FBS 5-6**	32 A	**3030349**	50
	10	Red	**FBS 10-6**	32 A	**3030271**	10
	20	Red	**FBS 20-6**	32 A	**3030365**	10
Partition plate, for visual and electrical separation of terminal groups, 2 mm thick		Gray	**ATP-UT-TWIN**		**3047183**	50
Test adapter, for 4 mm Ø PS test plug and 4 mm safety test plug, makes contact in the bridge shaft		Gray	**PAI-4**		**3030925**	10
Test plug, consisting of: metal part for 2.3 mm Ø socket hole and			**MPS-MT**		**0201744**	10
insulating sleeve for MPS metal part		Red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		Red	**PS-6**		**3030996**	10
Warning sign for UT series		Yellow	**WS UT 4**		**3047332**	10
Screwdriver			**SZS 0,6X3,5**		**1205053**	10
UniCard sheet, for labeling the center and side grooves			**UC-TM 6 (see page 479)**			
Zack marker strips for labeling the center and side grooves			**ZB 6 (see page 487)**			



UT 4-MTD-PE

Ex: KEMA 04ATEX2048 U / IECEx KEM 06.0027U

Width	Length	Height NS 35/7,5	
6.2	**57.8**	**47.5**	
		Max. Ø [mm²]	AWG
		0.14 - 6	**26 - 10**
IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	- / 4
4	-	-	4
26 - 10	26-10	26-10	26 - 10
Solid	Stranded	Ferrule without / with plastic sleeve	
0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
			0.5 - 2.5
9			
M3			
0.6 - 0.8			
PA			
V0			

Type	Order No.	Pcs. / Pkt.
UT 4-MTD-PE	**3046223**	50
D-UT 2,5/4-TWIN	**3047141**	50
DS-UT 2,5/4	**3047109**	50
FBS 2-6	**3030336**	50
FBS 3-6	**3030242**	50
FBS 4-6	**3030255**	50
FBS 5-6	**3030349**	50
FBS 10-6	**3030271**	10
FBS 20-6	**3030365**	10
ATP-UT-TWIN	**3047183**	50
PAI-4	**3030925**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-6	**3030996**	10
WS UT 4	**3047332**	10
SZS 0,6X3,5	**1205053**	10
UC-TM 6 (see page 479)		
ZB 6 (see page 487)		

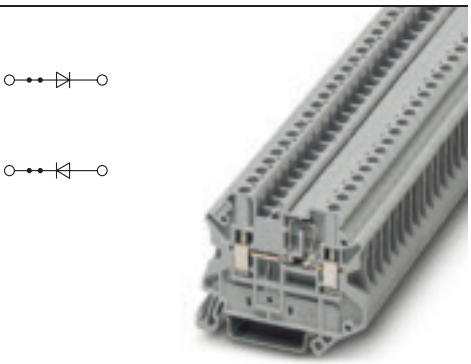


UT 4-MTD-PE/S

Ex: KEMA 04ATEX2048 U / IECEx KEM 06.0027U

Width	Length	Height NS 35/7,5	
6.2	**57.8**	**47.5**	
		Max. Ø [mm²]	AWG
		0.14 - 6	**26 - 10**
IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	- / 4
4	-	-	4
26 - 10	26-10	26-10	26 - 10
Solid	Stranded	Ferrule without / with plastic sleeve	
0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
			0.5 - 2.5
9			
M3			
0.6 - 0.8			
PA			
V0			

Type	Order No.	Pcs. / Pkt.
UT 4-MTD-PE/S	**3046207**	50
ATP-UT-TWIN	**3047183**	50
WS UT 4	**3047332**	10
SZS 0,6X3,5	**1205053**	10
UC-TM 6 (see page 479)		
ZB 6 (see page 487)		



UT 4-MTD-DIO/ ...

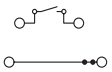
With integrated diode 1N 4007

Width	Length	Height NS 35/7,5	
6.2	**57.8**	**47.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
0.5[1])	**800**	**0.14 - 6**	**26 - 10**
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800	600	600	-
0.5[1]) / 1	0.5 / -	1 / -	-
4	-	-	-
26 - 10	26-10	26-10	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
			0.5 - 2.5
9			
M3			
0.6 - 0.8			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
UT 4-MTD-DIO/L-R		**3046210**	50
UT 4-MTD-DIO/R-L		**3046236**	50
D-UT 2,5/4-TWIN		**3047141**	50
DS-UT 2,5/4		**3047109**	50
FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 10-6	32 A	**3030271**	10
FBS 20-6	32 A	**3030365**	10
ATP-UT-TWIN		**3047183**	50
PAI-4		**3030925**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
WS UT 4		**3047332**	10
SZS 0,6X3,5		**1205053**	10
UC-TM 6 (see page 479)			
ZB 6 (see page 487)			

Multi-level knife disconnect terminal blocks UTTB 4...







UTTB 4-MT ...

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) Observe max. load current.

[2]) Observe max load current, depending on the power dissipation of the components. Max 0.5 W with single arrangement.

[3]) For max. power dissipation, see page 729.

[4]) Current and voltage are determined by the connector used.

[5]) Lower level

Featuring the same shape as the UTTB 2,5 and UTTB 4 double-level feed-through terminal blocks, UTTB 4-MT and ...-TG disconnect terminal blocks are now also available. In signal wiring, an increasing number of contact points must be wired within the same space. The potentials routed on two levels reduce space requirements compared to single-level terminal blocks by 50%. To perform a variety of different switching tasks, especially in MCR technology, either a disconnect knife or isolating connector, a component connector or a fuse connector for 5 x 20 mm glass tube fuses can be used in the standardized Clipline complete disconnect zone of the upper level. Measuring instruments can be looped in using the connection screws with integrated test socket, so that voltage and current measurements can be taken on either level at any time without interruption. The offset levels facilitate the access to the lower level.

UTTB 4-MT...LA...

An LED variant is available to signal the switching states.

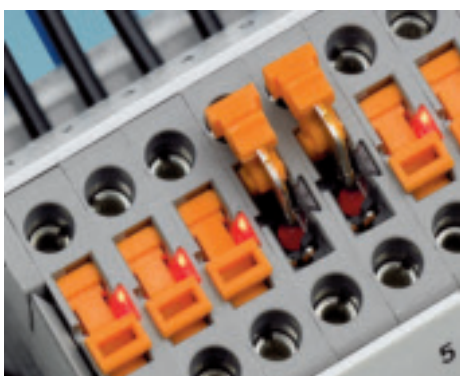
Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**6.2**	**69.9**	**65**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		38[5])	**500**	**0.14 - 6**	**26 - 10**
Rated data, lower level		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	300	300	-
Nominal current / cross-section	[A] / [mm²]	30 / 4	30 / -	30 / -	- / -
Rated cross-section	[mm²]	4	-	-	-
Cross-section range	AWG	26 - 10	26-10	26-10	-
Rated data, upper level		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	300	300	-
Nominal current / cross-section	[A] / [mm²]	20 / 2.5	16 / -	5 / -	- / -
Rated cross-section	[mm²]	4	-	-	-
Cross-section range	AWG	26 - 10	26-10	26-10	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
Two conductors (of the same type)	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 2.5
General data					
Stripping length	[mm]	9			
Screw thread		M3			
Tightening torque	[Nm]	0.6 - 0.8			
Insulating material		PA			
Inflammability class acc. to UL 94		V0			

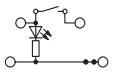
Ordering data

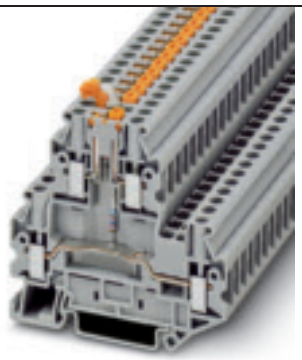
Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.
Knife disconnect terminal block, for mounting on NS 35...		Gray	**UTTB 4-MT**	**3044775**	50
With test socket screws		Gray	**UTTB 4-MT P/P**	**3044762**	50
Knife disconnect terminal block, for assembly on NS 35..., with light indicator for 12 - 30 V DC, 0.7-2.4 mA		Gray			
Disconnect terminal block, for mounting on NS 35...		Gray			
With test socket screws		Gray			

Accessories

Cover, width 2.2 mm		Gray	**D-UTTB 2,5/4**	**3047293**	50
Spacer plate, compensates for level offset if standard terminal blocks are to be fitted adjacently, 2.5 mm thick		Gray	**DP-UTTB 2,5/4**	**3047303**	50
Plug-in bridge for cross connections in the bridge shaft					
	2	Red	**FBS 2-6**	**3030336**	50
	3	Red	**FBS 3-6**	**3030242**	50
	4	Red	**FBS 4-6**	**3030255**	50
	5	Red	**FBS 5-6**	**3030349**	50
	10	Red	**FBS 10-6**	**3030271**	10
	20	Red	**FBS 20-6**	**3030365**	10
Partition plate, for visual and electrical separation of terminal groups, 2 mm thick		Gray	**ATP-UTTB 2,5/4**	**3047316**	50
Isolating connector[1])		Orange			
Feed-through connector[1])		Gray			
Component connector, labeled with ZBF 5 or UC-TMF 5[2])		Gray			
Fuse connector, width 6.2 mm[3])		Black			
Screwdriver			**SZS 0,6X3,5**	**1205053**	10
UniCard sheet, for labeling the lateral groove			**UC-TM 6 (see page 479)**		
Zack marker strip, for labeling the lateral groove			**ZB 6 (see page 487)**		

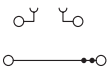


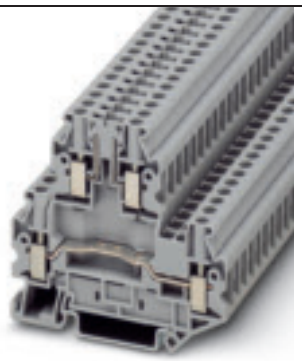




UTTB 4-MT P/P LA 24 RD/O-U

With light indicator





UTTB 4-TG ...

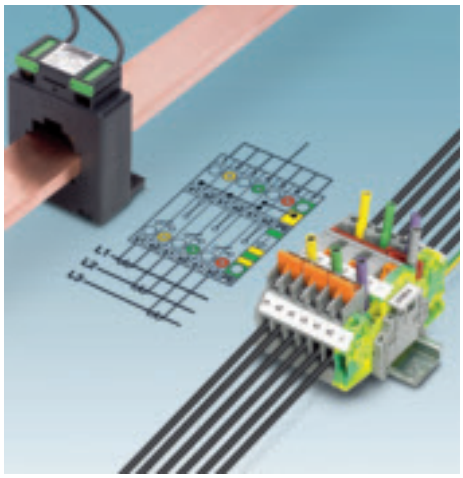
Width	Length	Height NS 35/7,5	
6.2	**69.9**	**65**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
38[5])	**24**	**0.14 - 6**	**26 - 10**
IEC	UL / CUL	CSA	IEC/ EN 60079-7
24	300	24	-
30 / 4	30 / -	30 / -	- / -
4	-	-	-
26 - 10	26-10	26-10	-
IEC	UL / CUL	CSA	IEC/ EN 60079-7
24	300	24	-
20 / 2.5	16 / -	5 / -	- / -
4	-	-	-
26 - 10	26-10	26-10	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
			0.5 - 2.5
9			
M3			
0.6 - 0.8			
PA			
V0			

Type	Order No.	Pcs. / Pkt.
UTTB 4-MT P/P LA 24 RD/O-U	**3046773**	50
D-UTTB 2,5/4	**3047293**	50
DP-UTTB 2,5/4	**3047303**	50
FBS 2-6	**3030336**	50
FBS 3-6	**3030242**	50
FBS 4-6	**3030255**	50
FBS 5-6	**3030349**	50
FBS 10-6	**3030271**	10
FBS 20-6	**3030365**	10
ATP-UTTB 2,5/4	**3047316**	50
SZG 0,6X3,5	**1205121**	10
UC-TM 6 (see page 479)		
ZB 6 (see page 487)		

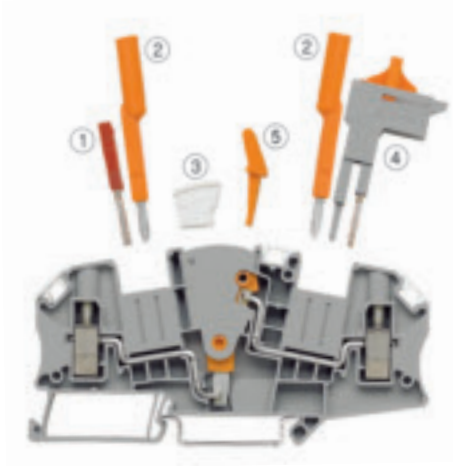
Width	Length	Height NS 35/7,5	
6.2	**69.9**	**65**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
38[5])	**500[4])**	**0.14 - 6**	**26 - 10**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500[4])	300	300	-
30[4]) / 4	30 / -	30 / -	- / -
4	-	-	-
26 - 10	26-10	26-10	-
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	300	300	-
20 / 2.5	16 / -	5 / -	- / -
4	-	-	-
26 - 10	26-10	26-10	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
			0.5 - 2.5
9			
M3			
0.6 - 0.8			
PA			
V0			

Type	Order No.	Pcs. / Pkt.
UTTB 4-TG	**3044720**	50
UTTB 4-TG P/P	**3044801**	50
D-UTTB 2,5/4	**3047293**	50
DP-UTTB 2,5/4	**3047303**	50
FBS 2-6	**3030336**	50
FBS 3-6	**3030242**	50
FBS 4-6	**3030255**	50
FBS 5-6	**3030349**	50
FBS 10-6	**3030271**	10
FBS 20-6	**3030365**	10
ATP-UTTB 2,5/4	**3047316**	50
P-DI	**3036783**	50
P-FIX	**3038956**	50
P-CO	**3036796**	10
P-FU 5X20	**3036806**	10
SZS 0,6X3,5	**1205053**	10
UC-TM 6 (see page 479)		
ZB 6 (see page 487)		

Measuring transducer disconnect terminal blocks UTME 6

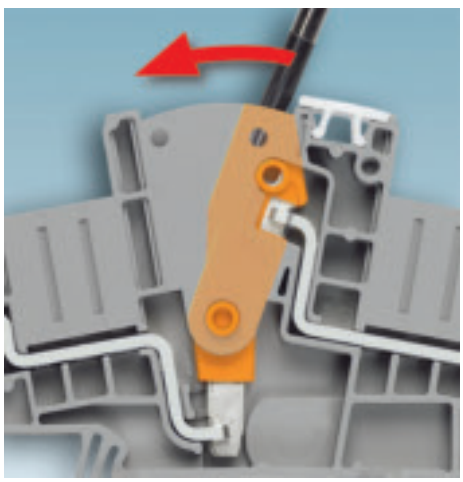


The new generation of compact UTME 6 measuring transducer disconnect terminal blocks with screw connection technology is characterized by easy operation and clarity. All switching statuses can be detected clearly at first glance. Thanks to the extensive range of flexible accessories, costs and time are saved when executing all transducer test circuit tasks.

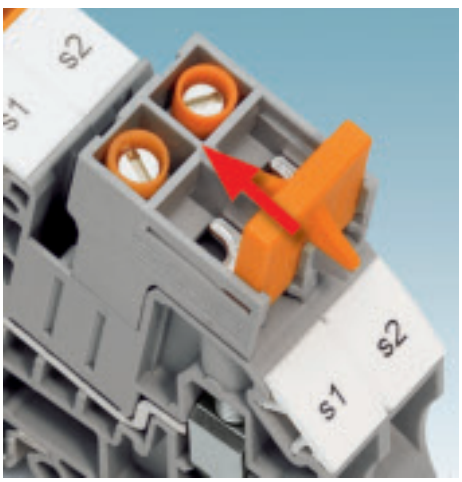


Only two UTME 6 measuring transducer disconnect terminal blocks are required for a current transformer measuring circuit. This means that less space is required compared with a circuit design using slide-type terminal blocks.

① FBS... plug-in bridge for cross connection
② 4 mm Ø PAI-4-FIX... test plug adapter
③ S-ME 6 switching lock
④ SB-ME... switch bar
⑤ C-ME 6/2 connection bridge



The longitudinal isolating switch contacts and snaps in safely in the respective switching state. Imprinted switching symbols ensure clarity. The optional switching lock snaps in and effectively prevents accidental switching. For simultaneous actuation, two switches can be connected to each other using a connection bridge.



The SB-ME 6... switch bars can be placed on both sides of the disconnect point in the bridge shaft and can be securely snapped in irrespective of the terminal strip configuration. The bridge for the transformer short-circuit can be securely engaged in the end positions and screw terminal points are used to make contact.

Current carrying capacity of DIN rails, see page 728.
For suitable terminal strip covers, see page 702.
For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.
[1]) For more test plugs, see page 335.

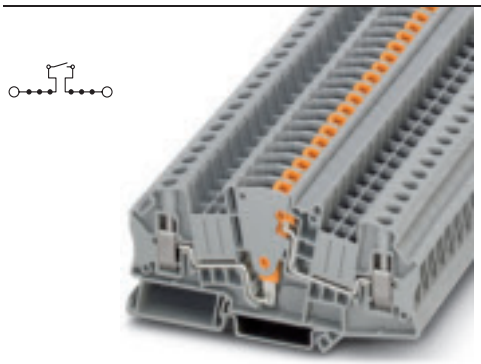
Dimensions	
	[mm]
Max. electrical data	
Rated data	
Rated voltage	[V]
Nominal current / cross-section	[A] / [mm²]
Rated cross-section	[mm²]
Cross-section range	AWG
Connection capacity	
One conductor	[mm²]
Two conductors (of the same type)	[mm²]
Two stranded conductors with a TWIN ferrule	[mm²]
General data	
Stripping length	[mm]
Screw thread	
Tightening torque	[Nm]
Insulating material	
Inflammability class acc. to UL 94	

Ordering data

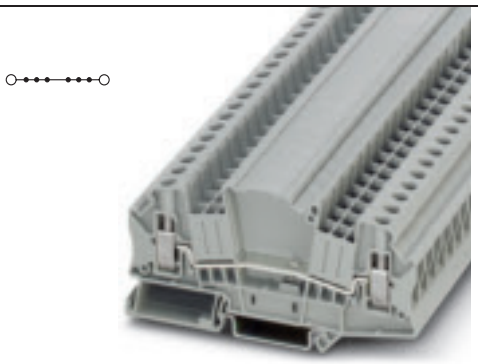
Description	No. of pos.	Color
Measuring transducer disconnect terminal block, for mounting on NS 35		Gray
Feed-through terminal block, for mounting on NS 35...		Gray
Ground terminal block, for mounting on NS 35		Green-yellow

Accessories

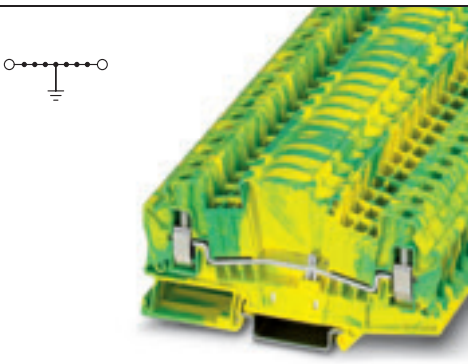
Cover, width 2.2 mm		Gray
Switching jumper, pluggable, 2-pos.		
2-pos.		Gray/orange
3-pos.		Gray/orange
4-pos.		Gray/orange
Plug-in bridge for cross connections in the bridge shaft		
	2	Red
	3	Red
	4	Red
	5	Red
	10	Red
Preassembled bridge, labeled		
3-pos., positions 1, 3	2	Red
4-pos., positions 1, 4	2	Red
5-pos., positions 1, 3, 5	3	Red
10-pos. positions 1, 4, 7, 10	3	Red
Switching lock, pluggable		White
Connection bridge, for connecting two measuring transducer disconnect terminal blocks 3-pos.		Orange
Test adapter, for 4 mm Ø safety test plug, snapped into bridge shaft[1])		Orange
		Yellow
		Green
		Violet
Partition plate, with storage option for switching jumpers		Gray
Screwdriver		
UniCard sheet, for labeling the center and side grooves		
Zack marker strips for labeling the center and side grooves		



UTME 6



UTMED 6



UTMED 6-PE

Width	Length	Height NS 35/7,5	
8.2	**100.8**	**49.6**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
30	**500**	**0.2 - 10**	**24 - 8**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	600	-	-
30 / 6	30 / -	- / -	-
6	-	-	-
24 - 8	24-8	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 10	0.2 - 10	0.25 - 6	0.25 - 6
0.2 - 2.5	0.2 - 2.5	0.25 - 2.5	-
			0.5 - 4
10			
M4			
1.5 - 1.8			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
UTME 6		**3047400**	50
D-UTME 6		**3047426**	10
SB-ME 2-8	30 A	**3034468**	10
SB-ME 3-8	30 A	**3032800**	10
SB-ME 4-8	30 A	**3034484**	10
FBS 2-8	41 A	**3030284**	10
FBS 3-8	41 A	**3030297**	10
FBS 4-8	41 A	**3030307**	10
FBS 5-8	41 A	**3030310**	10
FBS 10-8	41 A	**3030323**	10
FBS 1/3-8	41 A	**3032363**	10
FBS 1/4-8	41 A	**3032376**	10
FBS 1/3/5-8	41 A	**3032389**	10
FBS 1/4/7/10-8	41 A	**3032402**	10
S-ME 6		**3034439**	10
C-ME 6/2		**3034442**	10
C-ME 6/3		**3034390**	50
PAI-4-FIX OG		**3034455**	10
PAI-4-FIX YE		**3032745**	10
PAI-4-FIX GN		**3032758**	10
PAI-4-FIX VT		**3032761**	10
CARRIER 35-8		**3034387**	10
SZF 2-0,8X4,0		**1204520**	10
UC-TM 8 (see page 479)			
ZB 8 (see page 489)			

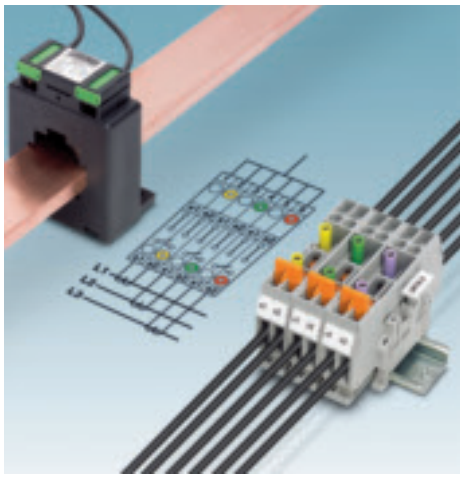
Width	Length	Height NS 35/7,5	
8.2	**100.8**	**49.6**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
30	**500**	**0.2 - 10**	**24 - 8**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	600	-	-
30 / 6	30 / -	- / -	-
6	-	-	-
24 - 8	24-8	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 10	0.2 - 10	0.25 - 6	0.25 - 6
0.2 - 2.5	0.2 - 2.5	0.25 - 2.5	-
			0.5 - 4
10			
M4			
1.5 - 1.8			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
UTMED 6		**3047413**	50
D-UTME 6		**3047426**	10
SB-ME 2-8	30 A	**3034468**	10
SB-ME 3-8	30 A	**3032800**	10
SB-ME 4-8	30 A	**3034484**	10
FBS 2-8	41 A	**3030284**	10
FBS 3-8	41 A	**3030297**	10
FBS 4-8	41 A	**3030307**	10
FBS 5-8	41 A	**3030310**	10
FBS 10-8	41 A	**3030323**	10
FBS 1/3-8	41 A	**3032363**	10
FBS 1/4-8	41 A	**3032376**	10
FBS 1/3/5-8	41 A	**3032389**	10
FBS 1/4/7/10-8	41 A	**3032402**	10
PAI-4-FIX OG		**3034455**	10
PAI-4-FIX YE		**3032745**	10
PAI-4-FIX GN		**3032758**	10
PAI-4-FIX VT		**3032761**	10
CARRIER 35-8		**3034387**	10
SZF 2-0,8X4,0		**1204520**	10
UC-TM 8 (see page 479)			
ZB 8 (see page 489)			

Width	Length	Height NS 35/7,5	
8.2	**100.8**	**49.6**	
		Max. Ø [mm²]	AWG
		0.2 - 10	**24 - 8**
IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	-
6	-	-	-
24 - 8	24-8	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 10	0.2 - 10	0.25 - 6	0.25 - 6
0.2 - 2.5	0.2 - 2.5	0.25 - 2.5	-
			0.5 - 4
10			
M4			
1.5 - 1.8			
PA			
V0			

Type	Order No.	Pcs. / Pkt.
UTMED 6-PE	**3047442**	50
D-UTME 6	**3047426**	10
FBS 2-8	**3030284**	10
FBS 3-8	**3030297**	10
FBS 4-8	**3030307**	10
FBS 5-8	**3030310**	10
FBS 10-8	**3030323**	10
FBS 1/3-8	**3032363**	10
FBS 1/4-8	**3032376**	10
FBS 1/3/5-8	**3032389**	10
FBS 1/4/7/10-8	**3032402**	10
PAI-4-FIX OG	**3034455**	10
PAI-4-FIX YE	**3032745**	10
PAI-4-FIX GN	**3032758**	10
PAI-4-FIX VT	**3032761**	10
CARRIER 35-8	**3034387**	10
SZF 2-0,8X4,0	**1204520**	10
UC-TM 8 (see page 479)		
ZB 8 (see page 489)		

Test disconnect and slide-type terminal blocks URTK 6 and UGSK 6



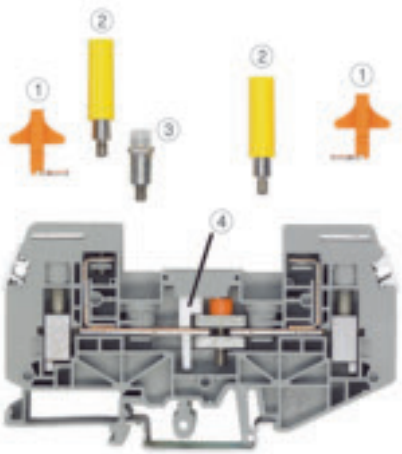


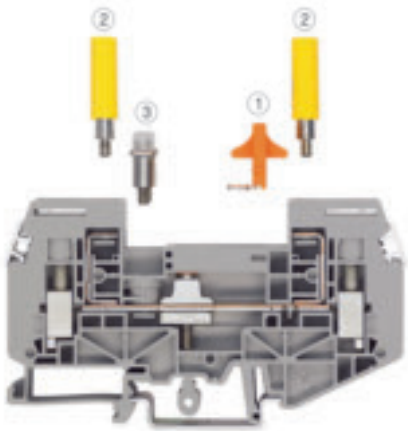
For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

For other test sockets, see page 447.

The URTK 6 test disconnect terminal block and the UGSK 6 slide-type terminal block have been developed especially for use in current transformer secondary circuits. The terminal blocks can be equipped with fixed and switchable jumpers and 4 mm Ø test sockets on both sides. The operability is simple and clear. The terminal block and the accessories have been designed to be touch-proof as per BGV A2, thus providing maximum safety to the operating personnel.

The extensive range of accessories of the URTK 6 test disconnect terminal blocks can also be used for the SRTK 6 test disconnect terminal blocks with spring-cage connection. For more information and technical data about spring-cage connection variants, see page 125.





Only two URTK 6 test disconnect terminal blocks are required for a current transformer measuring circuit. This means that less space is required compared with a circuit design using slide-type terminal blocks.

① SB... switching jumper
② 4 mm Ø test sockets PSBJ-URTK 6...
③ Fixed bridge for cross connection FBRI 10-8 N
④ Switching lock S-URTK/SP

Several measuring devices or protective relays can be connected individually using the UGSK 6 slide-type terminal block. For this purpose, the slide can be connected with the switching jumper depending on the switching task.

① SB... switching jumper
② 4 mm Ø test sockets PSBJ-URTK ...
③ Fixed bridge for cross connection FBRI 10-8 N

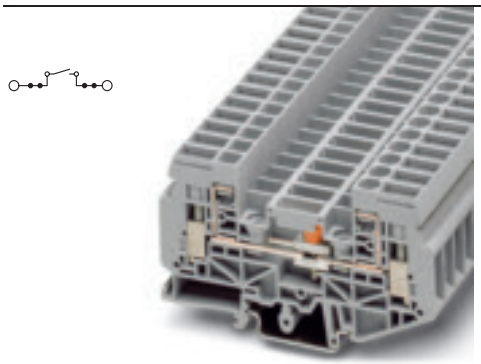
Dimensions	
	[mm]
Max. electrical data	
Rated data	
Rated voltage	[V]
Nominal current / cross-section	[A] / [mm²]
Rated cross-section	[mm²]
Cross-section range	AWG
Connection capacity	
One conductor	[mm²]
Two conductors (of the same type)	[mm²]
Two stranded conductors with a TWIN ferrule	[mm²]
General data	
Stripping length	[mm]
Terminal point: thread / torque	- / [Nm]
Disconnect slide: thread / torque	- / [Nm]
Torque: test socket, fixed bridge, switch bar	[Nm]
Insulating material	
Inflammability class acc. to UL 94	

Ordering data

Description	No. of pos.	Color
Test disconnect terminal block, with universal foot for mounting on NS 32... or NS 35...		Gray
Feed-through terminal block, with universal foot, for mounting on NS 32... or NS 35...		Gray

Accessories

Cover, width 2.2 mm		Gray
Switching jumper, complete		
	2	Orange
	3	Orange
	4	Orange
	10	Orange
For bridging between non-adjacent terminals	10	Orange
Fixed bridge, for cross connections in the terminal center, screw heads with insulating collar, divisible, with 10 screws		
	10	Silver
Switching lock, prevents unintentional operation of the disconnect slide		White
Test socket, insulated		Transparent Blue Yellow Green Violet Black
Short-circuit connector, for short-circuiting neighboring terminal blocks, fully insulated, 2-pos.		Black
Short-circuit connector, for short-circuiting neighboring terminal blocks, fully insulated, 4-pos.		Black
Screwdriver, for the terminal point		
Screwdriver, for the test socket		
UniCard sheet, for labeling the lateral groove		
Zack marker strip, for labeling the lateral groove		



URTK 6

Width	Length	Height NS 35/7,5	
8.2	**91**	**51**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
57	**400**	**0.5 - 10**	**20 - 8**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	300	-	-
41 / 6	50 / -	- / -	-
6	-	-	-
20 - 8	26-8	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
0.5 - 2.5	0.5 - 4	0.5 - 2.5	-
			0.5 - 4
10			
M4 / 1.2 - 1.4			
M3 / 0.6 - 0.8			
0.6 - 0.8			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
URTK 6		**3026272**	50
D-URTK 6		**3026340**	10
SB 2-8-T	41 A	**3026366**	10
SB 3-8-T	41 A	**3026492**	10
SB 4-8-T	41 A	**3026379**	10
SB 10-8-T	41 A	**3026382**	10
SB 10-8-T SO	41 A	**3026395**	10
FBRI 10-8 N	45 A	**2772080**	10
S-URTK/SP		**0311155**	50
PSBJ-URTK 6 FARBLOS		**3026450**	10
PSBJ-URTK 6 BU		**3026434**	10
PSBJ-URTK 6 YE		**3026405**	10
PSBJ-URTK 6 GN		**3026418**	10
PSBJ-URTK 6 VT		**3026421**	10
PSBJ-URTK 6 BK		**3026447**	10
KSSI 2-8		**3000722**	10
KSSI 4-8		**3000735**	10
SZS 1,0X4,0		**1205066**	10
SZS 0,6X3,5		**1205053**	10
UC-TM 8 (see page 479)			
ZB 8 (see page 489)			



UGSK 6

Width	Length	Height NS 35/7,5	
8.2	**91**	**51**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
57	**400**	**0.5 - 10**	**20 - 8**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	300	-	-
41 / 6	50 / -	- / -	-
6	-	-	-
20 - 8	26-8	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
0.5 - 2.5	0.5 - 4	0.5 - 2.5	-
			0.5 - 4
10			
M4 / 1.2 - 1.4			
M3 / 0.6 - 0.8			
0.6 - 0.8			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
UGSK 6		**3026285**	50
D-URTK 6		**3026340**	10
SB 2-8-T	41 A	**3026366**	10
SB 3-8-T	41 A	**3026492**	10
SB 4-8-T	41 A	**3026379**	10
SB 10-8-T	41 A	**3026382**	10
SB 10-8-T SO	41 A	**3026395**	10
FBRI 10-8 N	45 A	**2772080**	10
PSBJ-URTK 6 FARBLOS		**3026450**	10
PSBJ-URTK 6 BU		**3026434**	10
PSBJ-URTK 6 YE		**3026405**	10
PSBJ-URTK 6 GN		**3026418**	10
PSBJ-URTK 6 VT		**3026421**	10
PSBJ-URTK 6 BK		**3026447**	10
KSSI 2-8		**3000722**	10
KSSI 4-8		**3000735**	10
SZS 1,0X4,0		**1205066**	10
SZS 0,6X3,5		**1205053**	10
UC-TM 8 (see page 479)			
ZB 8 (see page 489)			



URDK 6

Width	Length	Height NS 35/7,5	
8.2	**91**	**51**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
57	**400**	**0.5 - 10**	**20 - 8**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	300	-	-
41 / 6	50 / -	- / -	-
6	-	-	-
20 - 8	26-8	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
0.5 - 2.5	0.5 - 4	0.5 - 2.5	-
			0.5 - 4
10			
M4 / 1.2 - 1.4			
- / -			
0.6 - 0.8			
PA			
V0			

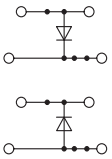
Type	I_{max}	Order No.	Pcs. / Pkt.
URDK 6		**3026706**	50
D-URTK 6		**3026340**	10
SB 2-8-T	41 A	**3026366**	10
SB 3-8-T	41 A	**3026492**	10
SB 4-8-T	41 A	**3026379**	10
SB 10-8-T	41 A	**3026382**	10
SB 10-8-T SO	41 A	**3026395**	10
FBRI 10-8 N	45 A	**2772080**	10
PSBJ-URTK 6 FARBLOS		**3026450**	10
PSBJ-URTK 6 BU		**3026434**	10
PSBJ-URTK 6 YE		**3026405**	10
PSBJ-URTK 6 GN		**3026418**	10
PSBJ-URTK 6 VT		**3026421**	10
PSBJ-URTK 6 BK		**3026447**	10
KSSI 2-8		**3000722**	10
KSSI 4-8		**3000735**	10
SZS 1,0X4,0		**1205066**	10
SZS 0,6X3,5		**1205053**	10
UC-TM 8 (see page 479)			
ZB 8 (see page 489)			

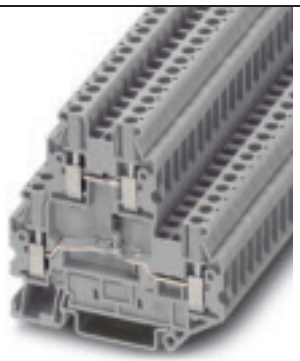
Multi-level component terminal blocks UTTB ...-DIO

With the double-level diodes and light indicator terminal blocks, it is possible to carry out a great variety of switching tasks over a mere width of 5.2 mm.
In a minimum of space, it is thus possible to configure:
– Free-wheeling diode circuits
– Lamp test circuits
– Alarm and fault message circuits

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

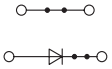
[1]) The max. current is determined by the diode. Integrated: diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 0.5 A

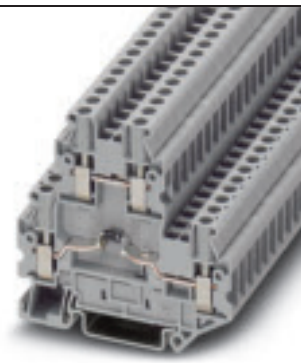




UTTB 2,5-DIO/ ...

With integrated diode 1N 4007





UTTB 2,5-DIO/UL-UR

With integrated diode 1N 4007

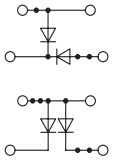
Dimensions		Width	Length	Height NS 35/7,5		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**69.9**	**65**		**5.2**	**69.9**	**65**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG	$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		28[1])	**500**	**0.14 - 4**	**26 - 12**	**28[1])**	**500**	**0.14 - 4**	**26 - 12**
Rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7	IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	600	300	-	500	600	300	-
Nominal current / cross-section	[A] / [mm²]	24[1]) / 2.5	20 / -	1 / -	-	24[1]) / 2.5	20 / -	1 / -	-
Rated cross-section	[mm²]	2.5	-	-	-	2.5	-	-	-
Cross-section range	AWG	26 - 12	26-12	26-12	-	26 - 12	26-12	26-12	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5
Two conductors (of the same type)	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1.5				0.5 - 1.5
General data									
Stripping length	[mm]	9				9			
Screw thread		M3				M3			
Tightening torque	[Nm]	0.5 - 0.6				0.5 - 0.6			
Insulating material		PA				PA			
Inflammability class acc. to UL 94		V0				V0			

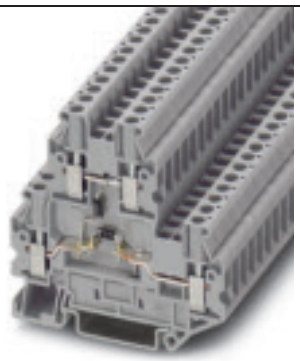
Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, with integrated diode, conducting from top to bottom		Gray	**UTTB 2,5-DIO/O-U**		**3046650**	50				
Terminal block, with integrated diode, conducting from bottom to top		Gray	**UTTB 2,5-DIO/U-O**		**3046663**	50				
Terminal block, with integrated diode, conducting from bottom left to bottom right		Gray					**UTTB 2,5-DIO/UL-UR**		**3046728**	50
Terminal block, with integrated diode, conducting from top to bottom left and from bottom right to bottom left		Gray								
Terminal block, with integrated diode, conducting from top to bottom left and from top to bottom right		Gray								
Terminal block, with light indicator										
With light indicator for 12-30 V DC, 0.7-2.4 mA		Gray								
With light indicator for 30-60 V DC, 0.8-1.8 mA		Gray								
With light indicator for 110-250 V AC/DC, 0.1-0.5 mA		Gray								
Terminal block, for soldering in a component from top to bottom		Gray								

Accessories

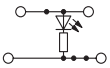
Cover, width 2.2 mm		Gray	**D-UTTB 2,5/4**		**3047293**	50	**D-UTTB 2,5/4**		**3047293**	50
Spacer plate, compensates for level offset if standard terminal blocks are to be fitted adjacently, 2.5 mm thick		Gray	**DP-UTTB 2,5/4**		**3047303**	50	**DP-UTTB 2,5/4**		**3047303**	50
Plug-in bridge for cross connections in the bridge shaft										
	2	Red	**FBS 2-5**	24 A	**3030161**	50	**FBS 2-5**	24 A	**3030161**	50
	3	Red	**FBS 3-5**	24 A	**3030174**	50	**FBS 3-5**	24 A	**3030174**	50
	4	Red	**FBS 4-5**	24 A	**3030187**	50	**FBS 4-5**	24 A	**3030187**	50
	5	Red	**FBS 5-5**	24 A	**3030190**	50	**FBS 5-5**	24 A	**3030190**	50
	10	Red	**FBS 10-5**	24 A	**3030213**	10	**FBS 10-5**	24 A	**3030213**	10
	20	Red	**FBS 20-5**	24 A	**3030226**	10	**FBS 20-5**	24 A	**3030226**	10
Partition plate, for visual and electrical separation of terminal groups, 2 mm thick		Gray	**ATP-UTTB 2,5/4**		**3047316**	50	**ATP-UTTB 2,5/4**		**3047316**	50
Screwdriver			**SZS 0,6X3,5**		**1205053**	10	**SZS 0,6X3,5**		**1205053**	10
UniCard sheet, for labeling the lateral groove			**UC-TM 5 (see page 479)**				**UC-TM 5 (see page 479)**			
Zack marker strip, for labeling the lateral groove			**ZB 5 (see page 487)**				**ZB 5 (see page 487)**			

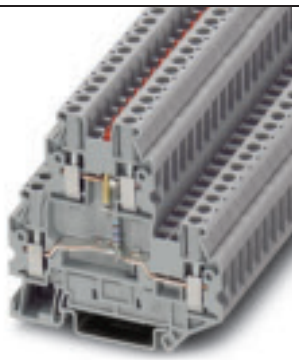




UTTB 2,5-DIO/O-UL ...

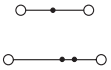
With two integrated diodes 1N 4007





UTTB 2,5-LA ...

With light indicator





UTTB 2,5-BE

Width	Length	Height NS 35/7,5	
5.2	**69.9**	**65**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
28[1])	**500**	**0.14 - 4**	**26 - 12**
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	600	300	-
24[1]) / 2.5	20 / -	1 / -	-
2.5	-	-	-
26 - 12	26-12	26-12	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
			0.5 - 1.5
9			
M3			
0.5 - 0.6			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
UTTB 2,5-2DIO/O-UL/UR-UL		**3046676**	50
UTTB 2,5-2DIO/O-UL/O-UR		**3046689**	50
D-UTTB 2,5/4		**3047293**	50
DP-UTTB 2,5/4		**3047303**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
ATP-UTTB 2,5/4		**3047316**	50
SZS 0,6X3,5		**1205053**	10
UC-TM 5 (see page 479)			
ZB 5 (see page 487)			

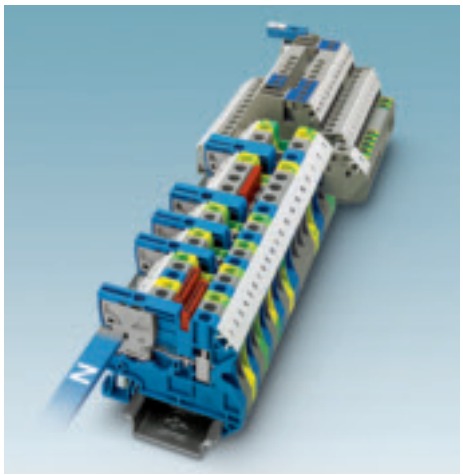
Width	Length	Height NS 35/7,5	
5.2	**69.9**	**65**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
28	**24**	**0.14 - 4**	**26 - 12**
IEC	UL / CUL	CSA	IEC/ EN 60079-7
24	600	24	-
24 / 2.5	20 / -	20 / -	-
2.5	-	-	-
26 - 12	26-12	26-12	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
			0.5 - 1.5
9			
M3			
0.5 - 0.6			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
UTTB 2,5-LA 24 RD		**3046692**	50
UTTB 2,5-LA 60 RD		**3046702**	50
UTTB 2,5-LA 230		**3046715**	50
D-UTTB 2,5/4		**3047293**	50
DP-UTTB 2,5/4		**3047303**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
ATP-UTTB 2,5/4		**3047316**	50
SZS 0,6X3,5		**1205053**	10
UC-TM 5 (see page 479)			
ZB 5 (see page 487)			

Width	Length	Height NS 35/7,5	
5.2	**69.9**	**65**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
28	**500**	**0.14 - 4**	**26 - 12**
IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	600	-	-
24 / 2.5	20 / -	- / -	-
2.5	-	-	-
26 - 12	26-12	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
			0.5 - 1.5
9			
M3			
0.5 - 0.6			
PA			
V0			

Type	Order No.	Pcs. / Pkt.
UTTB 2,5-BE	**3046744**	50
D-UTTB 2,5/4	**3047293**	50
DP-UTTB 2,5/4	**3047303**	50
FBS 2-5	**3030161**	50
FBS 3-5	**3030174**	50
FBS 4-5	**3030187**	50
FBS 5-5	**3030190**	50
FBS 10-5	**3030213**	10
FBS 20-5	**3030226**	10
ATP-UTTB 2,5/4	**3047316**	50
SZS 0,6X3,5	**1205053**	10
UC-TM 5 (see page 479)		
ZB 5 (see page 487)		

Installation terminal blocks UTI ...



Current carrying capacity of DIN rails, see page 728.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



UTI 16

The UTI 16... and UTI 35... installation terminal blocks are characterized by their low height. This is necessary for flat distributors in installation wiring. The asymmetric arrangement of the terminal blocks on the DIN rail makes it possible to route the PEN conductor busbars used in installation technology at the terminal blocks.

Even the standard feed-through terminal blocks UT 2,5 to UT 10 can be used along with the PEN conductor busbars.

Pick-off terminal blocks AGK 4-UT...

The fully isolated "pick-off terminal block" enables a voltage drift of up to a nominal voltage of 400 V for the UTI 16 terminal block. It can be labeled with a zack marker strip.

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**12.2**	**51**	**50.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		76	**400**	**6 - 25**	**10 - 4**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400	-	-	-
Nominal current / cross-section	[A] / [mm²]	76 / 16	- / -	- / -	-
Rated cross-section	[mm²]	16	-	-	-
Cross-section range	AWG	10 - 4	-	-	-
Connection capacity		Solid	Stranded	Ferrule	
One conductor	[mm²]	6 - 25	6 - 16	6 - 16	6 - 16
Two conductors (of the same type)	[mm²]	2.5 - 10	2.5 - 6	4 - 6	-
Two stranded conductors with a TWIN ferrule	[mm²]				4 - 6
General data					
Stripping length	[mm]	12			
Screw thread		M5			
Tightening torque	[Nm]	2.5 - 3			
Insulating material		PA			
Inflammability class acc. to UL 94		V2			

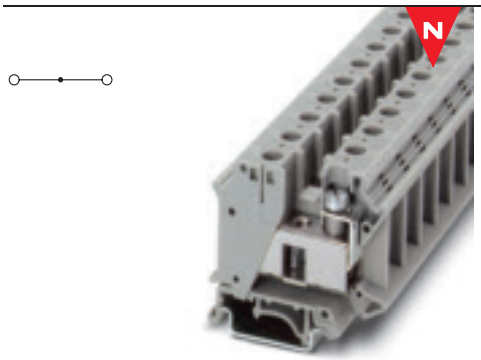
Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		Blue	**UTI 16**	**3073827**	50
Ground terminal block, for mounting on NS 35...		Blue			

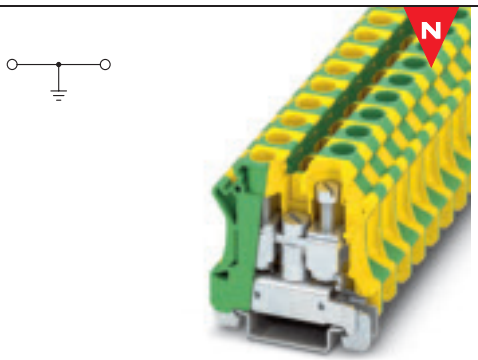
Accessories

Pick-off terminal block, when wiring the pick-off with a smaller cross-section, observe the overload and short-circuit resistances specified in VDE 0100-430.		Gray	**AGK 4-UT 16**	**3047125**	50
Fixed jumper, for cross connections in the terminal center, divisible, with 10 screws					
	2	Silver			
	3	Silver			
	10	Silver	**FBI 10-12**	**0203454**	10
Screwdriver			**SZS 1,0X6,5**	**1205079**	10
UniCard sheet, for labeling the lateral groove			**UC-TM 12 (see page 481)**		
Zack marker strip, for labeling the lateral groove			**ZB 12 (see page 490)**		

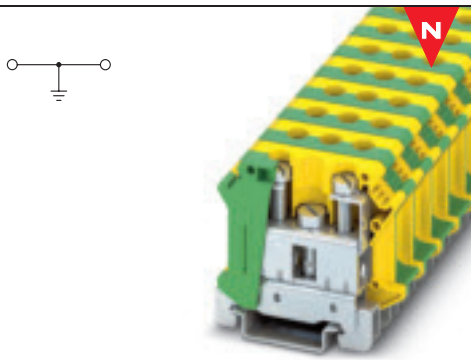




UTI 35



UTI 16-PE



UTI 35 PE

Width	Length	Height NS 35/7,5	
15.2	**55**	**51**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
125	**800**	**0.75 - 35**	**18 - 2**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800	-	-	-
125 / 35	- / -	- / -	-
35	-	-	-
18 - 2	-	-	-
Solid	Stranded	Ferrule	
0.75 - 35	0.75 - 35	0.75 - 35	0.75 - 35
0.75 - 10	0.75 - 10	0.75 - 10	-
			0.75 - 6
16			
M6			
3.2 - 3.7			
PA			
V2			

Type	Order No.	Pcs. / Pkt.
UTI 35	**3074088**	50
FBI 2-15	**0201333**	10
FBI 3-15	**0201278**	10
SZS 1,0X6,5	**1205079**	10
UC-TM 12 (see page 481)		
ZB 15 (see page 490)		

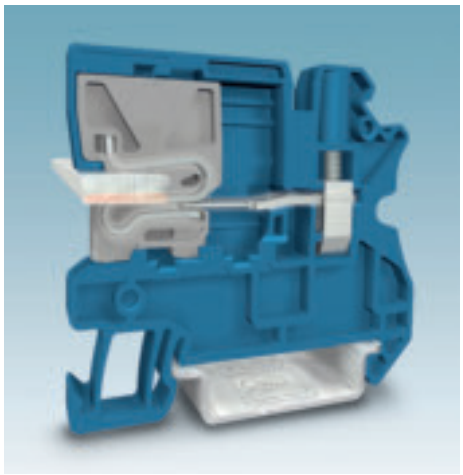
Width	Length	Height NS 35/7,5	
12.2	**51**	**50.5**	
$I_{max.}$ [A]		Max. Ø [mm²]	AWG
76		**6 - 25**	**10 - 4**
IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
76 / 16	- / -	- / -	-
16	-	-	-
10 - 4	-	-	-
Solid	Stranded	Ferrule	
6 - 25	6 - 16	6 - 16	6 - 16
2.5 - 10	2.5 - 6	4 - 6	-
			4 - 6
12			
M5			
2.5 - 3			
PA			
V2			

Type	Order No.	Pcs. / Pkt.
UTI 16-PE	**3073830**	50
SZS 1,0X6,5	**1205079**	10
UC-TM 12 (see page 481)		
ZB 12 (see page 490)		

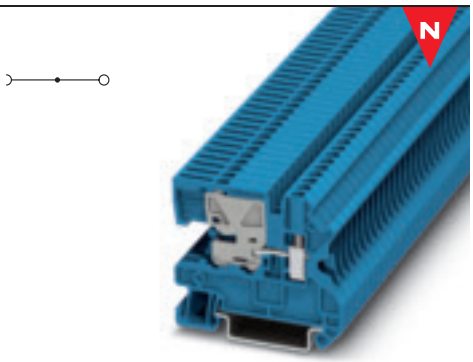
Width	Length	Height NS 35/7,5	
15	**55**	**51**	
$I_{max.}$ [A]		Max. Ø [mm²]	AWG
125		**0.75 - 35**	**18 - 2**
IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
125 / 35	- / -	- / -	-
35	-	-	-
18 - 2	-	-	-
Solid	Stranded	Ferrule	
0.75 - 35	0.75 - 35	0.75 - 35	0.75 - 35
0.75 - 16	0.75 - 10	0.75 - 10	-
			0.75 - 6
16			
M6			
3.2 - 3.7			
PA			
V2			

Type	Order No.	Pcs. / Pkt.
UTI 35 PE	**3074091**	50
SZS 1,0X6,5	**1205079**	10
UC-TM 12 (see page 481)		
ZB 15 (see page 490)		

Installation terminal blocks UTN ...



For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



UTN 2,5

All UTN 2,5 - UTN 16 PEN conductor disconnect terminal blocks have a screwless disconnect slide. When this is levered over with a standard screwdriver, the contact fork slides onto the busbar. The slide engages in the end positions to provide additional protection against accidental actuation.

The shape of the UTN disconnect terminal blocks is the same as that of the UT standard terminal blocks.

Assembly

To fix the neutral busbar securely, supports must be set at the beginning and end of each terminal strip as well as every 20 cm on longer terminal strips.

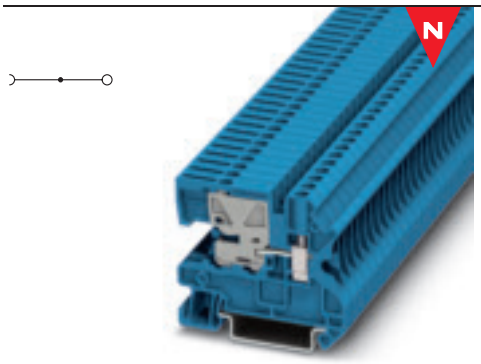
Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**55**	**47.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		24	**250**	**0.14 - 4**	**26 - 12**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	250	-	-	-
Nominal current / cross-section	[A] / [mm²]	24 / 2.5	- / -	- / -	-
Rated cross-section	[mm²]	2.5	-	-	-
Cross-section range	AWG	26 - 12	-	-	-
Connection capacity		Solid	Stranded	Ferrule	
One conductor	[mm²]	0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5
Two conductors (of the same type)	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1.5
General data					
Stripping length	[mm]	9			
Screw thread		M 3			
Tightening torque	[Nm]	0.5 - 0.6			
Insulating material		PA			
Inflammability class acc. to UL 94		V0			

Ordering data

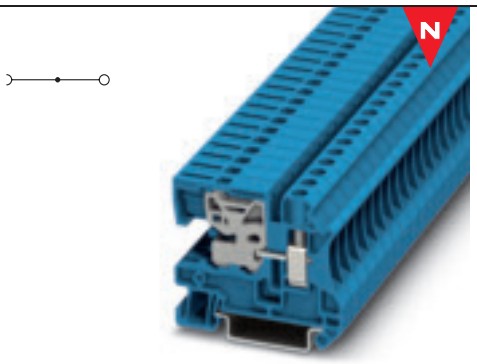
Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Neutral conductor disconnect terminal block, for mounting on NS 35...		Blue	**UTN 2,5**		**3245011**	50

Accessories

Cover, width 2.2 mm			**D-UTN 2,5/10**		**3245079**	50
Support, to hold the neutral busbar, set every 20 cm, 2 mm wide		Gray	**AB-UTN 2,5/10**		**3245082**	50
Plug-in bridge for cross connections in the bridge shaft						
	2	Red	**FBS 2-5**	24 A	**3030161**	50
	3	Red	**FBS 3-5**	24 A	**3030174**	50
	4	Red	**FBS 4-5**	24 A	**3030187**	50
	5	Red	**FBS 5-5**	24 A	**3030190**	50
	10	Red	**FBS 10-5**	24 A	**3030213**	10
	20	Red	**FBS 20-5**	24 A	**3030226**	10
Partition plate, for visual and electrical separation of terminal groups, 2 mm thick		Gray	**ATP-UT**		**3047167**	50
PEN conductor busbar, 3 x 10 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A		Silver	**NLS-CU 3/10 SN 1000MM**	140 A	**0402174**	10
Test adapter, for 4 mm Ø PS test plug and 4 mm safety test plug, makes contact in the bridge shaft		Gray	**PAI-4**		**3030925**	10
Test plug, consisting of: metal part for 2.3 mm Ø socket hole and			**MPS-MT**		**0201744**	10
insulating sleeve for MPS metal part		Red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		Red	**PS-5**		**3030983**	10
Screwdriver			**SZS 0,6X3,5**		**1205053**	10
UniCard sheet, for labeling the lateral groove			**UC-TM 5 (see page 479)**			
Zack marker strip, for labeling the lateral groove			**ZB 5 (see page 487)**			



UTN 4



UTN 6

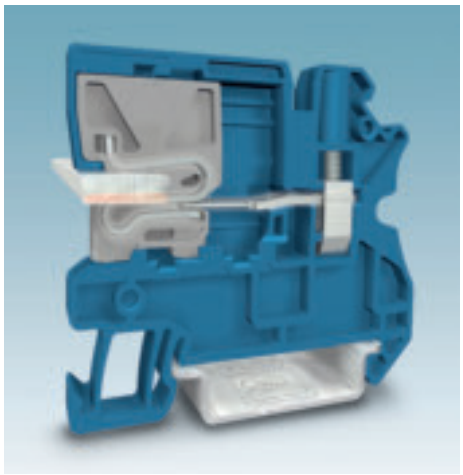
Width	Length	Height NS 35/7,5	
6.2	**55**	**47.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
32	**250**	**0.14 - 6**	**26 - 10**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
250	-	-	-
32 / 4	- / -	- / -	-
4	-	-	-
26 - 10	-	-	-
Solid	Stranded	Ferrule	
0.14 - 6	0.14 - 6	0.25 - 4	0.25 - 4
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
			0.5 - 2.5
9			
M 3			
0.6 - 0.8			
PA			
V0			

Width	Length	Height NS 35/7,5	
8.2	**55**	**47.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
41	**400**	**0.2 - 10**	**24 - 8**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	-	-	-
41 / 6	- / -	- / -	-
6	-	-	-
24 - 8	-	-	-
Solid	Stranded	Ferrule	
0.2 - 10	0.2 - 10	0.25 - 6	0.25 - 6
0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
			0.5 - 4
10			
M 4			
1.5 - 1.8			
PA			
V0			

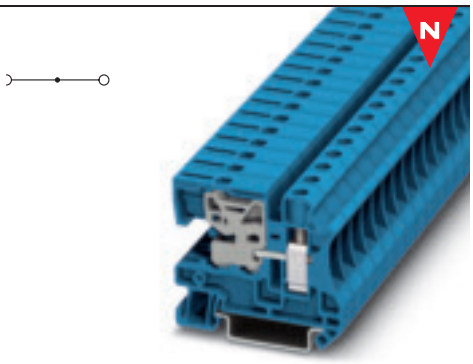
Type	I_{max}	Order No.	Pcs. / Pkt.
UTN 4		**3245024**	50
D-UTN 2,5/10		**3245079**	50
AB-UTN 2,5/10		**3245082**	50
FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 10-6	32 A	**3030271**	10
FBS 20-6	32 A	**3030365**	10
ATP-UT		**3047167**	50
NLS-CU 3/10 SN 1000MM	140 A	**0402174**	10
PAI-4		**3030925**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
SZS 0,6X3,5		**1205053**	10
UC-TM 6 (see page 479)			
ZB 6 (see page 487)			

Type	I_{max}	Order No.	Pcs. / Pkt.
UTN 6		**3245037**	50
D-UTN 2,5/10		**3245079**	50
AB-UTN 2,5/10		**3245082**	50
FBS 2-8	41 A	**3030284**	10
FBS 3-8	41 A	**3030297**	10
FBS 4-8	41 A	**3030307**	10
FBS 5-8	41 A	**3030310**	10
FBS 10-8	41 A	**3030323**	10
ATP-UT		**3047167**	50
NLS-CU 3/10 SN 1000MM	140 A	**0402174**	10
PAI-4		**3030925**	10
PS-8		**3031005**	10
SZS 1,0X4,0		**1205066**	10
UC-TM 8 (see page 479)			
ZB 8 (see page 489)			

Installation terminal blocks UTN ...



For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



UTN 10

All UTN 2,5 - UTN 16 PEN conductor disconnect terminal blocks have a screwless disconnect slide. When this is levered over with a standard screwdriver, the contact fork slides onto the busbar. The slide engages in the end positions to provide additional protection against accidental actuation.

Assembly

To fix the neutral busbar securely, supports must be set at the beginning and end of each terminal strip as well as every 20 cm on longer terminal strips.

Pick-off terminal blocks AGK 4-UT...

The fully isolated "pick-off terminal block" enables a voltage drift of up to a nominal voltage of 400 V for the UTN ... terminal blocks. They can be labeled with a zack marker strip.

Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		10.2	**55**	**47.5**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²] / AWG
		57	**400**	**0.5 - 16 / 20 - 6**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA / IEC/ EN 60079-7
Rated voltage	[V]	400	-	- / -
Nominal current / cross-section	[A] / [mm²]	57 / 10	- / -	- / -
Rated cross-section	[mm²]	10	-	- / -
Cross-section range	AWG	20 - 6	-	- / -
Connection capacity		Solid	Stranded	Ferrule
One conductor	[mm²]	0.5 - 16	0.5 - 16	0.5 - 10 / 0.5 - 10
Two conductors (of the same type)	[mm²]	0.5 - 4	0.5 - 4	0.5 - 2.5 / -
Two stranded conductors with a TWIN ferrule	[mm²]			- / 0.5 - 6
General data				
Stripping length	[mm]	10		
Screw thread		M 4		
Disconnect slide: thread / torque	- / [Nm]	- / -		
Tightening torque	[Nm]	1.5 - 1.8		
Insulating material		PA		
Inflammability class acc. to UL 94		V0		

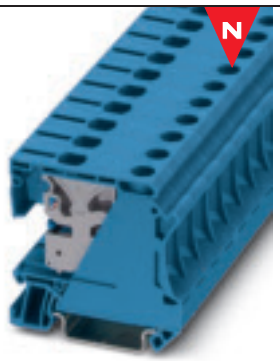
Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Neutral conductor disconnect terminal block, for mounting on NS 35...		Blue	**UTN 10**		**3245040**	50

Accessories

Pick-off terminal block, for snapping into the lateral guide		Gray	**AGK 4-UT 10**		**3047112**	50
Cover, width 2.2 mm			**D-UTN 2,5/10**		**3245079**	50
Support, to hold the neutral busbar, set every 20 cm, 2 mm wide		Gray	**AB-UTN 2,5/10**		**3245082**	50
Plug-in bridge for cross connections in the bridge shaft	2	Red	**FBS 2-10**	57 A	**3005947**	10
Partition plate, for visual and electrical separation of terminal groups, 2 mm thick		Gray	**ATP-UT**		**3047167**	50
PEN conductor busbar, 3 x 10 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A		Silver	**NLS-CU 3/10 SN 1000MM**	140 A	**0402174**	10
Screwdriver			**SZS 1,0X4,0**		**1205066**	10
UniCard sheet, for labeling the lateral groove			**UC-TM 10 (see page 480)**			
Zack marker strip, for labeling the lateral groove			**ZB 10 (see page 489)**			





UTN 16



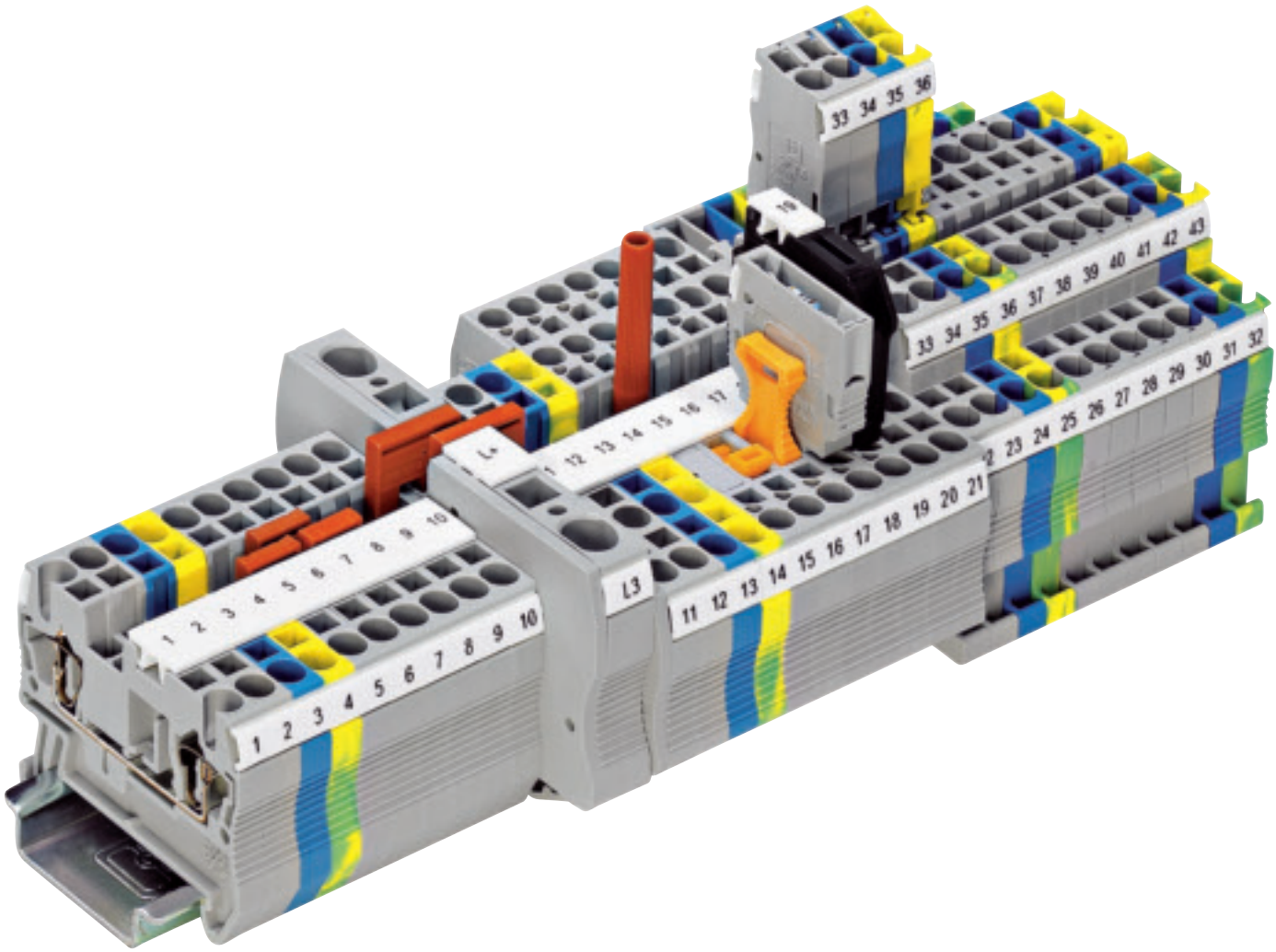
UTN 35

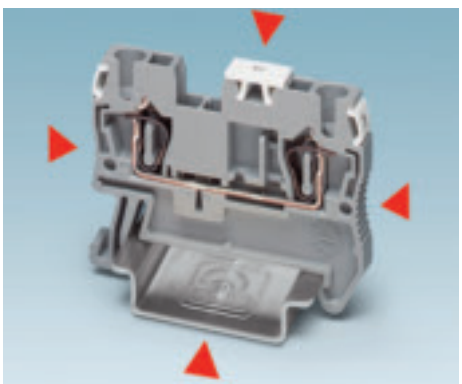
Width	Length	Height NS 35/7,5	
12.2	**55**	**50.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
76	**400**	**6 - 25**	**10 - 4**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	-	-	-
76 / 16	- / -	- / -	-
16	-	-	-
10 - 4	-	-	-
Solid	Stranded	Ferrule	
6 - 25	6 - 16	6 - 16	6 - 16
2.5 - 10	2.5 - 6	4 - 6	-
			4 - 6
12			
M5			
- / -			
2.5 - 3			
PA			
V2			

Width	Length	Height NS 35/7,5	
15	**55**	**51**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
110	**400**	**0.75 - 35**	**18 - 2**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	-	-	-
110 / 35	- / -	- / -	-
35	-	-	-
18 - 2	-	-	-
Solid	Stranded	Ferrule	
0.75 - 35	0.75 - 35	0.75 - 35	0.75 - 35
0.75 - 10	0.75 - 10	0.75 - 10	-
			0.75 - 6
16			
M6			
M5 / 2.5 - 3			
3.2 - 3.7			
PA			
V2			

Type	I_{max}	Order No.	Pcs. / Pkt.
UTN 16		**3245053**	50
AGK 4-UT 16		**3047125**	50
AB-UTN 2,5/10		**3245082**	50
NLS-CU 3/10 SN 1000MM	140 A	**0402174**	10
SZS 1,0X4,0		**1205066**	10
UC-TM 12 (see page 481)			
ZB 12 (see page 490)			

Type	I_{max}	Order No.	Pcs. / Pkt.
UTN 35		**3245066**	50
AB-UTN 2,5/10		**3245082**	50
NLS-CU 3/10 SN 1000MM	140 A	**0402174**	10
SZS 1,0X4,0		**1205066**	10
UC-TM 12 (see page 481)			
ZB 15 (see page 490)			





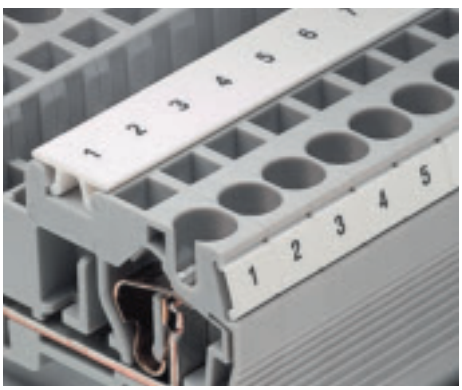
Space-saving design

The space-saving design and the conductor entry from above make the ST spring-cage terminal blocks ideal for control systems in which there is little space available.



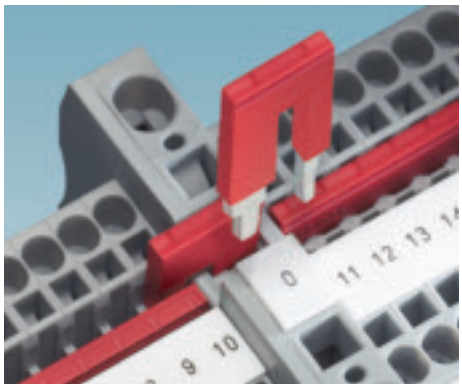
Maximum connection space

Due to their maximum connection space, ST spring-cage terminal blocks offer fast wiring of Stranded and solid conductors as well as conductors with a nominal cross-section and preassembled ferrules.

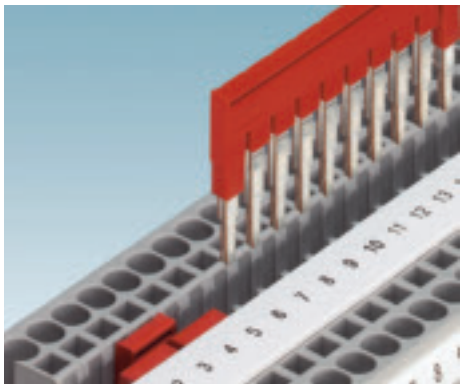


Large surface labeling

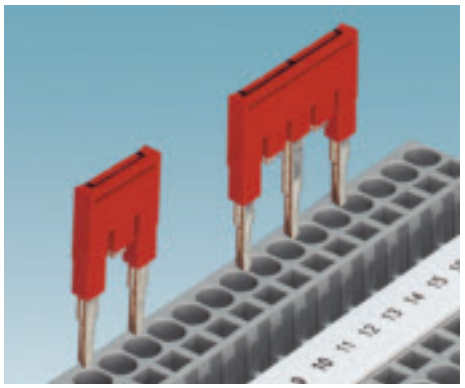
The clear and large-scale marking in the terminal center is vital for reliable and time-saving installation. In addition to this, each terminal point can be labeled separately.



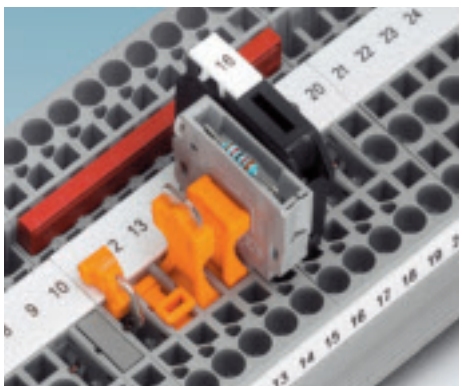
The reducing bridge permits simple connection of terminal blocks with different nominal cross-sections. Power blocks can be quickly constructed with the reducing bridge, e.g. an ST 10 spring-cage terminal block with an ST 2,5 or ST 4.



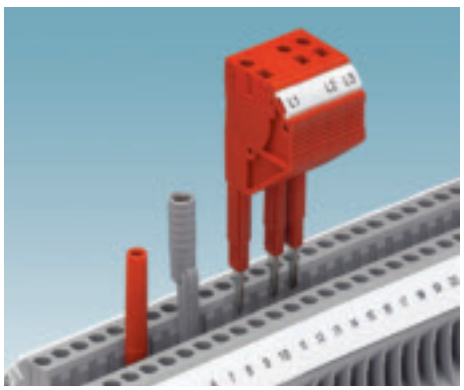
With the double bridge shaft, any number of terminal blocks can be connected with one another using two-pos. bridges. The 2 to 50 pos. bridges permit bridging of up to 50 terminal blocks in one step.



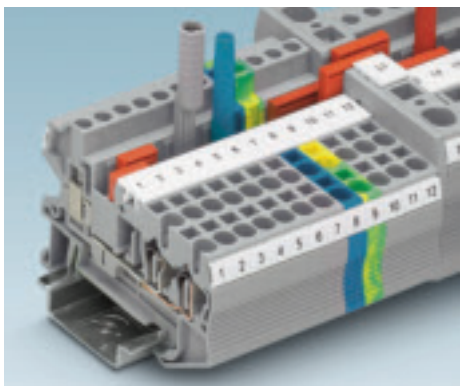
Non-adjacent terminal blocks can be bridged by breaking off individual contact tabs from the standard bridge. In this way, two potentials can be led in parallel through one terminal strip. The contact points can also be marked.



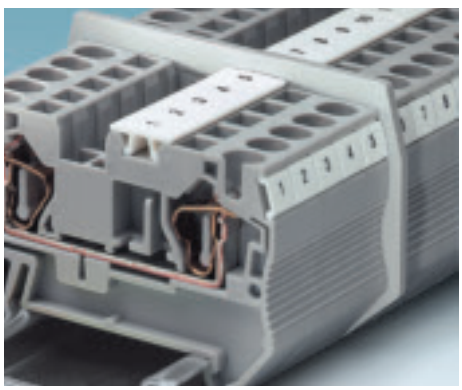
The P-FIX insulated through connectors, P-DI isolating connectors, P-CO component connectors and P-FU fuse connectors can be used in the universal plug-in zone of the disconnect terminal block.



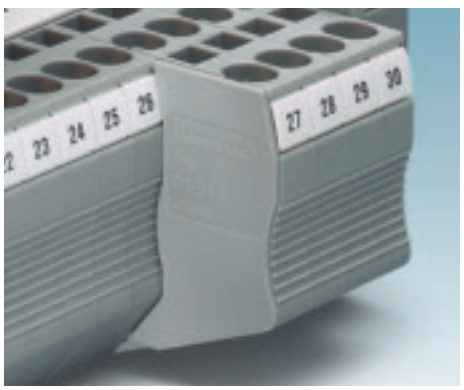
A 2.3 mm Ø test plug is available for measuring lines. All the measurement and testing tasks can be completed faster using test adapters for 4 mm Ø test plugs and the modular test plugs.



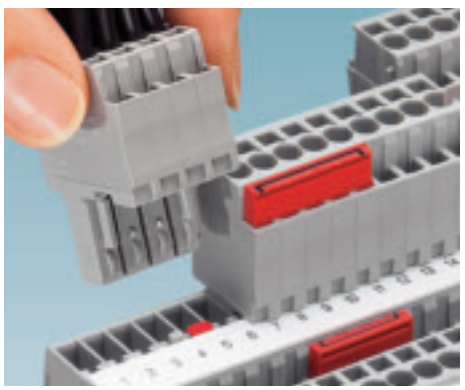
The hybrid versions combine the advantages of the spring-cage connection method and the universal screw connection method.



The partition plates protrude over the terminal block profiles. They provide both visual and electrical group separation.



End cover segments cover protruding terminal block segments of three and four-conductor terminal blocks when two-conductor terminal blocks are aligned. This ensures that they are touch proof.



ST-COMBI terminal blocks allow signal and power wiring to be made pluggable. The system is touch proof and also features self-assembly connectors with a wide range of accessories. See chapter "COMBI", page 238.

Feed-through terminal block ST ...





ST 1,5 ...

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) For information on installation for using accessories for Ex e applications, see page 720.

[2]) The reducing bridge table should be followed, see page 332.

The outstanding feature of the ST spring-cage feed-through terminal blocks is their space-saving design and optimized handling. The front connection of the ST series offers additional space for wiring between the cable ducts.

The double bridge shaft allows individual chain bridging by means of plug-in bridges. Suitable accessories are available for testing and labeling.

Ex: KEMA 01ATEX2129 U / IECEx KEM 06.0043U

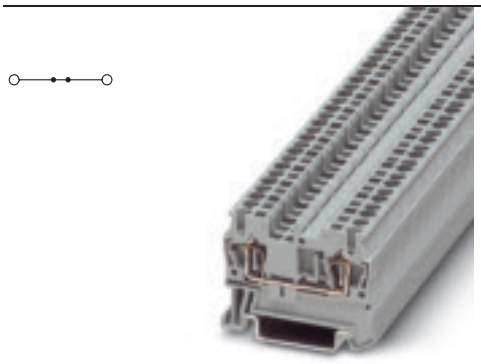
Dimensions		Width	Length	Height NS 35/7,5
	[mm]	**4.2**	**48.5**	**36.5**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²] / AWG
		17.5	**500**	**0.08 - 1.5 / 28 - 16**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA / IEC/ EN 60079-7
Rated voltage	[V]	500	300	300 / 440
Nominal current / cross-section	[A] / [mm²]	17.5 / 1.5	15 / -	15 / - / 17.5 / 1.5 // 17.5 / 1.5
Rated cross-section	[mm²]	1.5	-	- / 1.5
Cross-section range	AWG	28 - 16	26-14	26-14 / 28 - 16
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve
One conductor	[mm²]	0.08 - 1.5	0.08 - 1.5	0.14 - 1.5 / 0.14 - 1.5
Two stranded conductors with a TWIN ferrule	[mm²]			0.5
General data				
Stripping length	[mm]	10		
Insulating material		PA		
Inflammability class acc. to UL 94		V0		

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Spring-cage terminal block, for mounting on NS 35...		Gray	**ST 1,5**		**3031076**	50
		Blue	**ST 1,5 BU**		**3031089**	50
		Orange	**ST 1,5 OG**		**3037012**	50
		Red	**ST 1,5 RD**		**3037038**	50
		Black	**ST 1,5 BK**		**3037067**	50

Accessories[1])

Cover, width 2.2 mm		Gray	**D-ST 2,5**		**3030417**	50
Insulation stop sleeve, cross-section range:						
0.25 - 0.5 mm²		White	**ISH 1,5/0,2**		**3206131**	50
0.75 - 1 mm²		Gray	**ISH 1,5/0,5**		**3031034**	50
0.75 - 1 mm²		Black				
Plug-in bridge for cross connections in the bridge shaft						
	2	Red	**FBS 2-4**	17.5 A	**3030116**	50
	3	Red	**FBS 3-4**	17.5 A	**3030129**	50
	4	Red	**FBS 4-4**	17.5 A	**3030132**	50
	5	Red	**FBS 5-4**	17.5 A	**3030145**	50
	10	Red	**FBS 10-4**	17.5 A	**3030158**	10
	20	Red	**FBS 20-4**	17.5 A	**3030352**	10
Reducing bridge, for connecting from ST to ST terminals[2])						
	2	Red				
Partition plate, for visual and electrical separation of terminal groups, 2 mm thick		Gray	**ATP-ST 4**		**3030721**	50
Test plug, consisting of: metal part for 2.3 mm Ø socket hole and **insulating sleeve** for MPS metal part		Red				
Modular test plug, for the individual assembly of test plug strips		Red	**PS-4**		**3030970**	10
Warning cover, for actuation shafts, 5-pos.		Yellow	**WST 1,5**		**3030958**	50
Screwdriver			**SZF 0-0,4X2,5**		**1204504**	10
UniCard sheet, for labeling the center groove			**UC-TM 4 (see page 478)**			
UniCard sheet, flat, for labeling the center and lateral grooves			**UC-TMF 4 (see page 482)**			
Zack markers, for labeling the center groove			**ZB 4 (see page 486)**			
Zack marker strip, flat, for labeling the center and lateral grooves			**ZBF 4 (see page 492)**			



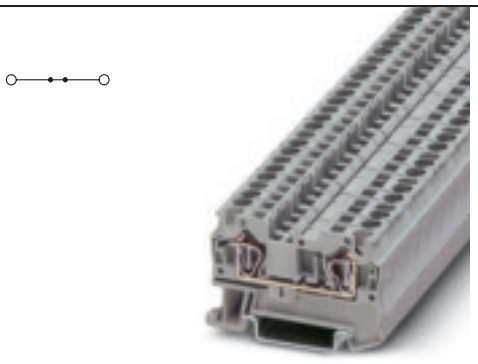
ST 2,5 ...

Ex: KEMA

KEMA 00ATEX2052U / IECEx KEM 06.0051U

Width	Length	Height NS 35/7,5	
5.2	**48.5**	**36.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
31	**800**	**0.08 - 4**	**28 - 12**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800	600	600	550
24 / 2.5	20 / -	20 / -	21 / 2.5 // 27 / 4
2.5	-	-	2.5
28 - 12	28-12	28-12	28 - 12
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
10			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
ST 2,5		**3031212**	50
ST 2,5 BU		**3031225**	50
ST 2,5 OG		**3037070**	50
ST 2,5 RD		**3037096**	50
ST 2,5 BK		**3037122**	50
D-ST 2,5		**3030417**	50
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
RB ST (2,5/4)-1,5		**3038943**	10
ATP-ST 4		**3030721**	50
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
WST 2,5		**3030941**	50
SZF 1-0,6X3,5		**1204517**	10
UC-TM 5 (see page 479)			
UC-TMF 5 (see page 482)			
ZB 5 (see page 487)			
ZBF 5 (see page 492)			



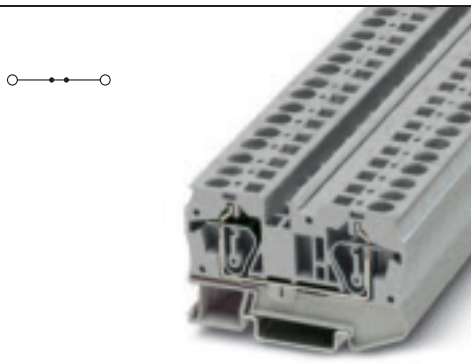
ST 4 ...

Ex: KEMA

KEMA 00ATEX2129U / IECEx KEM 06.0050U

Width	Length	Height NS 35/7,5	
6.2	**56**	**36.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
40	**800**	**0.08 - 6**	**28 - 10**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800	600	600	550
32 / 4	30 / -	30 / -	30 / 4 // 34.5 / 6
4	-	-	4
28 - 10	28-10	28-10	28 - 10
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4 0.5 - 1
10			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
ST 4		**3031364**	50
ST 4 BU		**3031377**	50
ST 4 OG		**3037135**	50
ST 4 RD		**3037151**	50
ST 4 BK		**3037180**	50
D-ST 4		**3030420**	50
ISH 4/0,5		**3002885**	50
ISH 4/1,0		**3002898**	50
FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 10-6	32 A	**3030271**	10
FBS 20-6	32 A	**3030365**	10
RB ST (2,5/4)-1,5		**3038943**	10
ATP-ST 4		**3030721**	50
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
WST 4		**3030954**	50
SZF 1-0,6X3,5		**1204517**	10
UC-TM 6 (see page 479)			
UC-TMF 6 (see page 483)			
ZB 6 (see page 487)			
ZBF 6 (see page 493)			



ST 6 ...

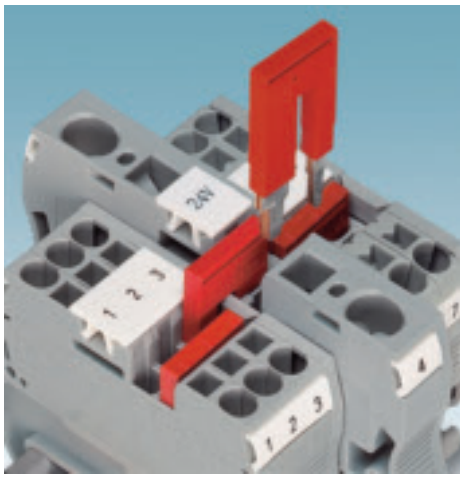
Ex: KEMA

KEMA 00ATEX2129U / IECEx KEM 06.0050U

Width	Length	Height NS 35/7,5	
8.2	**69.5**	**43.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
52	**800**	**0.2 - 10**	**24 - 8**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800	600	600	550
41 / 6	50 / -	50 / -	36.5 / 6 // 45 / 10
6	-	-	6
24 - 8	24-8	24-8	24 - 8
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 10	0.2 - 6	0.25 - 6	0.25 - 6 0.5 - 1.5
12			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
ST 6		**3031487**	50
ST 6 BU		**3031490**	50
D-ST 6		**3030433**	50
FBS 2-8	41 A	**3030284**	10
FBS 3-8	41 A	**3030297**	10
FBS 4-8	41 A	**3030307**	10
FBS 5-8	41 A	**3030310**	10
FBS 10-8	41 A	**3030323**	10
RB ST 6-(2,5/4)		**3030860**	10
ATP-ST 6		**3024481**	50
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-8		**3031005**	10
WST 6		**3030967**	10
SZF 2-0,8X4,0		**1204520**	10
UC-TM 8 (see page 479)			
UC-TMF 8 (see page 483)			
ZB 8 (see page 489)			
ZBF 8 (see page 493)			

Feed-through terminal block ST ...



For large conductor cross-sections, Phoenix Contact offers spring-cage terminal blocks from 10 to 35 mm². The double bridge shaft not only allows individual chain bridging, but also step down bridging to spring-cage terminal blocks with smaller cross-sections. Potential infeeds and potential distribution can easily be implemented in this way using RB ST... reducing bridges.

For reducing bridge tables, see page 332.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) For information on installation for using accessories for Ex e applications, see page 720.

[2]) The reducing bridge table should be followed, see page 332.



ST 10 ...

Ex: KEMA 01ATEX2260 U / IECEx KEM 06.0033U

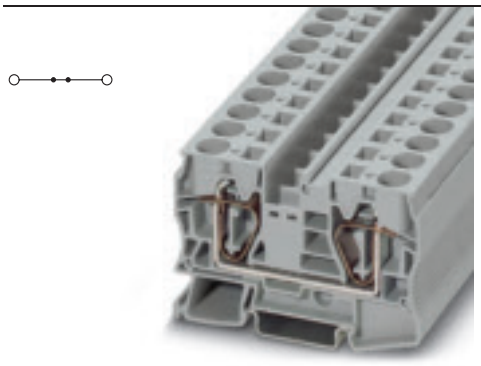
Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**10.2**	**71.5**	**50.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		65	**800**	**0.2 - 16**	**24 - 6**
		IEC 60947-7-1			
Rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	800	600	600	550
Nominal current / cross-section	[A] / [mm²]	57 / 10	65 / -	65 / -	50 / 10 // 63 / 16
Rated cross-section	[mm²]	10	-	-	10
Cross-section range	AWG	24 - 6	16-6	16-6	16 - 6
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.2 - 16	0.2 - 10	0.25 - 10	0.25 - 10
Two stranded conductors with a TWIN ferrule	[mm²]				1.5 - 2.5
General data					
Stripping length	[mm]	18			
Insulating material		PA			
Inflammability class acc. to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Spring-cage terminal block, for mounting on NS 35...		Gray	**ST 10**		**3036110**	50
		Blue	**ST 10 BU**		**3036123**	50

Accessories[1])

Cover, width 2.2 mm		Gray	**D-ST 10**		**3036644**	50
Plug-in bridge for cross connections in the bridge shaft	2	Red	**FBS 2-10**	57 A	**3005947**	10
Reducing bridge, for connecting from ST to ST, PIT or QTC terminal blocks[2])	2	Red	**RB ST 10-(2,5/4)**		**3030873**	10
Reducing bridge, for connecting from ST to ST terminals[2])	2	Red				
Test plug, consisting of: metal part for 2.3 mm Ø socket hole and			**MPS-MT**		**0201744**	10
insulating sleeve for MPS metal part		Red	**MPS-IH RD**		**0201676**	10
Warning cover, for actuation shafts, 5-pos.			**WST 10/35**		**3030006**	25
Screwdriver			**SZF 3-1,0X5,5**		**1206612**	10
UniCard sheet, for labeling the center groove			**UC-TM 10 (see page 480)**			
UniCard sheet, flat, for labeling the center and lateral grooves			**UC-TMF 10 (see page 483)**			
Zack markers, for labeling the center groove			**ZB 10 (see page 489)**			
Zack marker strip, flat, for labeling the center and lateral grooves			**ZBF 10 (see page 494)**			

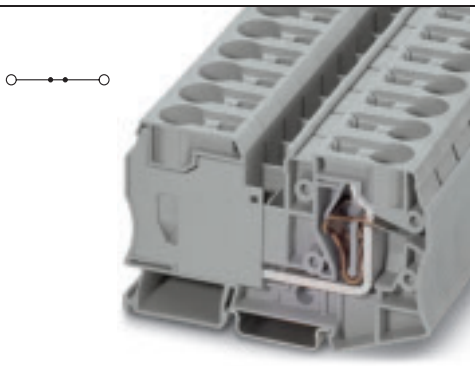


ST 16 ...

Ex: KEMA
KEMA 01ATEX2260 U / IECEx KEM 06.0033U

Width	Length	Height NS 35/7,5	
12.2	**80**	**51**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
90	**800**	**0.2 - 25**	**24 - 4**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800	600	600	550
76 / 16	85 / -	85 / -	65 / 16 // 82 / 25
16	-	-	16
24 - 4	16-4	16-4	16 - 4
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 25	0.2 - 16	0.25 - 16	0.25 - 16 1.5 - 4
18			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
ST 16		**3036149**	50
ST 16 BU		**3036152**	50
D-ST 16		**3036657**	50
FBS 2-12	76 A	**3005950**	10
RB ST 16-(2,5/4)		**3030886**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
WST 10/35		**3030006**	25
SZF 3-1,0X5,5		**1206612**	10
UC-TM 12 (see page 481)			
UC-TMF 12 (see page 484)			
ZB 12 (see page 490)			
ZBF 12 (see page 494)			



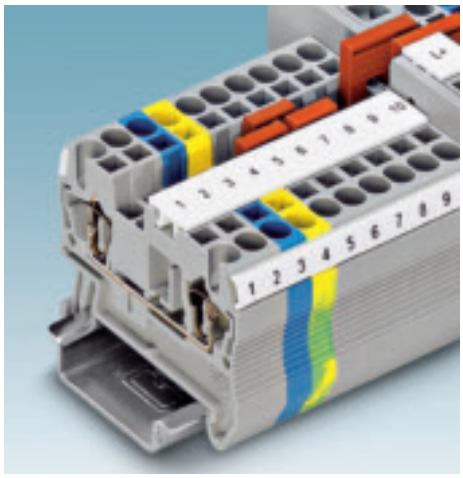
ST 35 ...

Ex: KEMA
KEMA 01ATEX2260 U / IECEx KEM 06.0033U

Width	Length	Height NS 35/7,5	
16	**100**	**59**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
125	**800**	**2.5 - 35**	**14 - 2**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800	600	600	690
125 / 35	115 / -	115 / -	108 / 35 // 108 / 35
35	-	-	35
14 - 2	14-2	14-2	14 - 2
Solid	Stranded	Ferrule without / with plastic sleeve	
2.5 - 35	2.5 - 35	2.5 - 35	2.5 - 35 2.5 - 10
25			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
ST 35		**3036178**	10
ST 35 BU		**3036181**	10
FBS 2-16	101 A	**3005963**	10
RB ST 35-(2,5/4)		**3030899**	10
RB 35-16		**3032169**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
WST 10/35		**3030006**	25
SZF 3-1,0X5,5		**1206612**	10
UC-TM 16 (see page 481)			
UC-TMF 16 (see page 484)			
ZB 16 (see page 491)			
ZBF 16 (see page 495)			

Ground terminal blocks ST ...-PE







ST 1,5-PE

Current carrying capacity of DIN rails, see page 728.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) For information on installation for using accessories for Ex e applications, see page 720.

The ST ...-PE ground terminal blocks are available in the same shape as the feed-through terminal blocks with cross-sections of 1.5 mm² to 35 mm². Correct mechanical and electrical contacting is guaranteed by simply snapping the terminal block onto the rail.

The ST ...-PE ground terminal blocks fulfill all requirements of IEC 60947-7-2. These are in particular:

– Low contact resistances
– Corrosion-proof terminal points
– Green-yellow housing
– Additional options for marking

Ex: KEMA 01ATEX2129 U / IECEx KEM 06.0043U

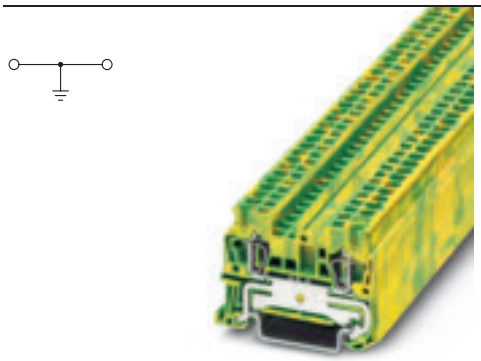
Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		4.2	**48.5**	**36.5**
Max. electrical data				
				Max. Ø [mm²] / AWG
				0.08 - 1.5 / 28 - 16
Rated data		IEC 60947-7-2 IEC	UL / CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	-	-	-
Nominal current / cross-section	[A] / [mm²]	- / -	- / -	- / - / - / 1.5
Rated cross-section	[mm²]	1.5	-	- / 1.5
Cross-section range	AWG	28 - 16	26-14	26-14 / 28 - 16
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve
One conductor	[mm²]	0.08 - 1.5	0.08 - 1.5	0.14 - 1.5 / 0.14 - 1.5
Two stranded conductors with a TWIN ferrule	[mm²]			0.5
General data				
Stripping length	[mm]	10		
Insulating material		PA		
Inflammability class acc. to UL 94		V0		

Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.
Spring-cage ground terminal block, for mounting on NS 35...		Green-yellow	**ST 1,5-PE**	**3031513**	50

Accessories[1])

Cover, width 2.2 mm		Gray	**D-ST 2,5**	**3030417**	50
Insulation stop sleeve, cross-section range:					
0.25 - 0.5 mm²		White	**ISH 1,5/0,2**	**3206131**	50
0.75 - 1 mm²		Gray	**ISH 1,5/0,5**	**3031034**	50
0.75 - 1 mm²		Black			
Plug-in bridge for cross connections in the bridge shaft					
	2	Red			
	3	Red			
	4	Red			
	5	Red			
	10	Red			
Partition plate, for visual and electrical separation of terminal groups, 2 mm thick		Gray	**ATP-ST 4**	**3030721**	50
Test adapter, for 4 mm Ø PS test plug and 4 mm safety test plug, makes contact in the bridge shaft		Gray			
Test plug, consisting of: metal part for 2.3 mm Ø socket hole and **insulating sleeve** for MPS metal part		Red			
Warning cover, for actuation shafts, 5-pos.		Yellow	**WST 1,5**	**3030958**	50
Screwdriver			**SZF 0-0,4X2,5**	**1204504**	10
UniCard sheet, for labeling the center groove			**UC-TM 4 (see page 478)**		
UniCard sheet, flat, for labeling the center and lateral grooves			**UC-TMF 4 (see page 482)**		
Zack markers, for labeling the center groove			**ZB 4 (see page 486)**		
Zack marker strip, flat, for labeling the center and lateral grooves			**ZBF 4 (see page 492)**		

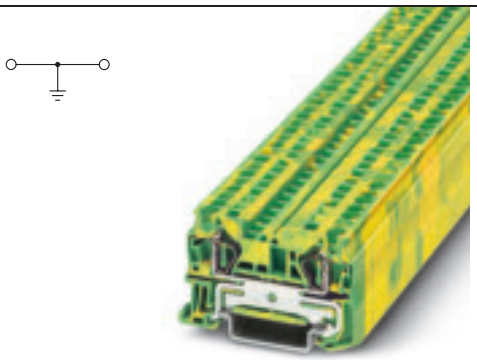


ST 2,5-PE

Ex: KEMA
KEMA 00ATEX2052U / IECEx KEM 06.0051U

Width	Length	Height NS 35/7,5	
5.2	**48.5**	**36.5**	
		Max. Ø [mm²]	AWG
		0.08 - 4	**28 - 12**
IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	- / 2.5
2.5	-	-	2.5
28 - 12	28-12	28-12	28 - 12
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
10			
PA			
V0			

Type	Order No.	Pcs. / Pkt.
ST 2,5-PE	**3031238**	50
D-ST 2,5	**3030417**	50
ISH 2,5/0,2	**3002843**	50
ISH 2,5/0,5	**3002856**	50
ISH 2,5/1,0	**3002869**	50
ATP-ST 4	**3030721**	50
WST 2,5	**3030941**	50
SZF 1-0,6X3,5	**1204517**	10
UC-TM 5 (see page 479)		
UC-TMF 5 (see page 482)		
ZB 5 (see page 487)		
ZBF 5 (see page 492)		

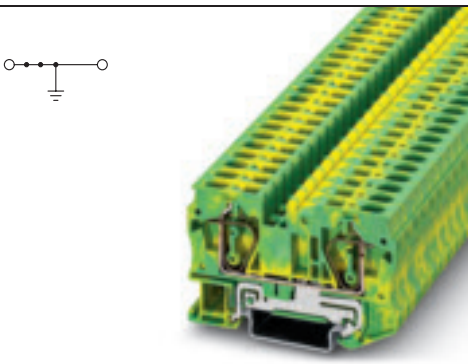


ST 4-PE

Ex: KEMA
KEMA 00ATEX2129U / IECEx KEM 06.0050U

Width	Length	Height NS 35/7,5	
6.2	**56**	**36.5**	
		Max. Ø [mm²]	AWG
		0.08 - 6	**28 - 10**
IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	- / 4
4	-	-	4
28 - 10	28-10	28-10	28 - 10
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4 0.5 - 1
10			
PA			
V0			

Type	Order No.	Pcs. / Pkt.
ST 4-PE	**3031380**	50
D-ST 4	**3030420**	50
ISH 4/0,5	**3002885**	50
ISH 4/1,0	**3002898**	50
ATP-ST 4	**3030721**	50
WST 4	**3030954**	50
SZF 1-0,6X3,5	**1204517**	10
UC-TM 6 (see page 479)		
UC-TMF 6 (see page 483)		
ZB 6 (see page 487)		
ZBF 6 (see page 493)		



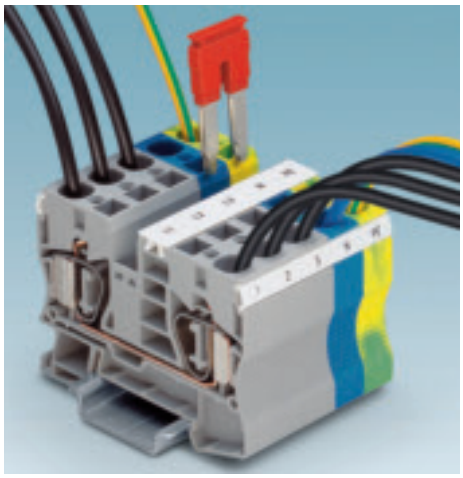
ST 6-PE

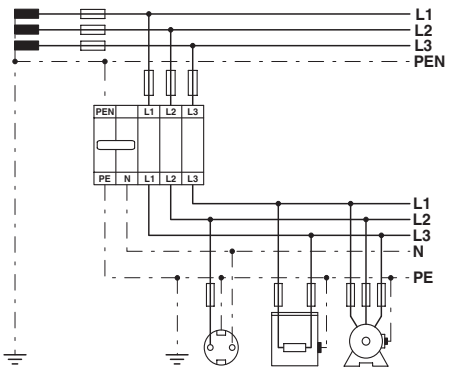
Ex: KEMA
KEMA 00ATEX2129U / IECEx KEM 06.0050U

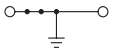
Width	Length	Height NS 35/7,5	
8.2	**69.5**	**43.5**	
		Max. Ø [mm²]	AWG
		0.2 - 10	**24 - 8**
IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	- / 6
6	-	-	6
24 - 8	24-8	24-8	24 - 8
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 10	0.2 - 6	0.25 - 6	0.25 - 6 0.5 - 1.5
12			
PA			
V0			

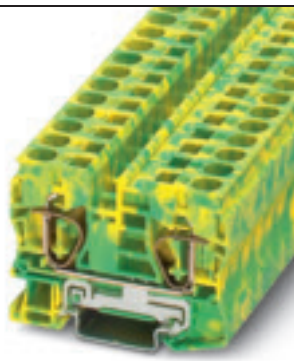
Type	Order No.	Pcs. / Pkt.
ST 6-PE	**3031500**	50
D-ST 6	**3030433**	50
FBS 2-8	**3030284**	10
FBS 3-8	**3030297**	10
FBS 4-8	**3030307**	10
FBS 5-8	**3030310**	10
FBS 10-8	**3030323**	10
ATP-ST 6	**3024481**	50
PAI-4	**3030925**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
WST 6	**3030967**	10
SZF 2-0,8X4,0	**1204520**	10
UC-TM 8 (see page 479)		
UC-TMF 8 (see page 483)		
ZB 8 (see page 489)		
ZBF 8 (see page 493)		

Ground terminal blocks ST ...-PE









ST 10-PE

Ex: KEMA 01ATEX2260 U / IECEx KEM 06.0033U

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**10.2**	**71.5**	**50.5**	
Max. electrical data		$I_{max.}$ [A]		Max. Ø [mm²]	AWG
		65		**0.2 - 16**	**24 - 6**
Rated data		IEC 60947-7-2 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	-	-	-	-
Nominal current / cross-section	[A] / [mm²]	57 / 10	- / -	- / -	- / 10
Rated cross-section	[mm²]	10	-	-	10
Cross-section range	AWG	24 - 6	16-6	16-6	16 - 6
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.2 - 16	0.2 - 10	0.25 - 10	0.25 - 10
Two stranded conductors with a TWIN ferrule	[mm²]				1.5 - 2.5
General data					
Stripping length	[mm]	18			
Insulating material		PA			
Inflammability class acc. to UL 94		V0			

PEN function in accordance with IEC 60947-7-2 from 10 mm² rated cross-section

When electrical machine controls installed in a 5-conductor system are connected to the power supply at the site of installation, it is impossible to know in advance whether the connection will involve 4 or 5 conductors.

Larger cross-sections normally have a 4-conductor feed, which must then be converted to a 5-conductor system on the terminal strip. The point at which the PEN conductor is split up into the neutral conductor and protective conductor is of particular importance. In the case of ST spring-cage terminal blocks, this separation can be realized very easily and according to the standard by using a block that consists of a green/yellow ground terminal block with a metal foot and a blue modular terminal block that is isolated toward the DIN rail. Both terminal blocks are interconnected with a powerful plug-in bridge through which the current of the neutral conductor from the system is led to the PEN conductor. A copper DIN rail is not necessary, since the rail only has a PE function when the input block is used and can therefore be made of steel. Please observe the maximum permissible short-circuit current of the DIN rail for the PE function.

Current carrying capacity of DIN rails, see page 728.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

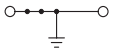
[1]) For information on installation for using accessories for Ex e applications, see page 720.

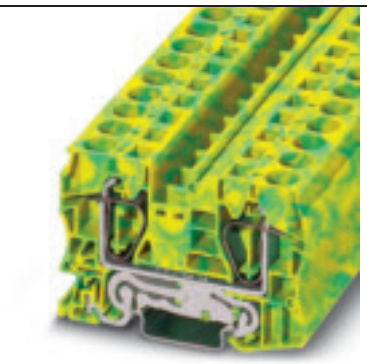
Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Spring-cage ground terminal block, for mounting on NS 35...		Green-yellow	**ST 10-PE**		**3036136**	50

Accessories[1])

Cover, width 2.2 mm		Gray	**D-ST 10**		**3036644**	50
Plug-in bridge for cross connections in the bridge shaft	2	Red	**FBS 2-10**	57 A	**3005947**	10
Test plug, consisting of: metal part for 2.3 mm Ø socket hole and			**MPS-MT**		**0201744**	10
insulating sleeve for MPS metal part		Red	**MPS-IH RD**		**0201676**	10
Warning cover, for actuation shafts, 5-pos.			**WST 10/35**		**3030006**	25
Screwdriver			**SZF 3-1,0X5,5**		**1206612**	10
UniCard sheet, for labeling the center groove			**UC-TM 10 (see page 480)**			
UniCard sheet, flat, for labeling the center and lateral grooves			**UC-TMF 10 (see page 483)**			
Zack markers, for labeling the center groove			**ZB 10 (see page 489)**			
Zack marker strip, flat, for labeling the center and lateral grooves			**ZBF 10 (see page 494)**			





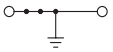
ST 16-PE

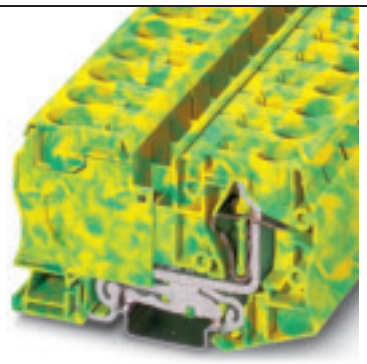
Ex: KEMA

KEMA 01ATEX2260 U / IECEx KEM 06.0033U

Width	Length	Height NS 35/7,5	
12.2	**80**	**51**	
$I_{max.}$ [A]		Max. Ø [mm²]	AWG
90		**0.2 - 25**	**24 - 4**
IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
76 / 16	- / -	- / -	- / 16
16	-	-	16
24 - 4	16-4	16-4	16 - 4
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 25	0.2 - 16	0.25 - 16	0.25 - 16 1.5 - 4
18			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
ST 16-PE		**3036165**	25
D-ST 16		**3036657**	50
FBS 2-12	76 A	**3005950**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
WST 10/35		**3030006**	25
SZF 3-1,0X5,5		**1206612**	10
UC-TM 12 (see page 481)			
UC-TMF 12 (see page 484)			
ZB 12 (see page 490)			
ZBF 12 (see page 494)			





ST 35-PE

Ex: KEMA

KEMA 01ATEX2260 U / IECEx KEM 06.0033U

Width	Length	Height NS 35/7,5	
16	**100**	**59**	
$I_{max.}$ [A]		Max. Ø [mm²]	AWG
125		**2.5 - 35**	**14 - 2**
IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
125 / 35	- / -	- / -	- / 35
35	-	-	35
14 - 2	14-2	14-2	14 - 2
Solid	Stranded	Ferrule without / with plastic sleeve	
2.5 - 35	2.5 - 35	2.5 - 35	2.5 - 35 2.5 - 10
25			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
ST 35-PE		**3036194**	10
FBS 2-16	101 A	**3005963**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
WST 10/35		**3030006**	25
SZF 3-1,0X5,5		**1206612**	10
UC-TM 16 (see page 481)			
UC-TMF 16 (see page 484)			
ZB 16 (see page 491)			
ZBF 16 (see page 495)			

Multi-conductor terminal blocks
ST ...-TWIN





For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

More plug-in bridges can be found on page 330.

[1]) The max. load current must not be exceeded by the total current of all connected conductors.

[2]) For information on installation for using accessories for Ex e applications, see page 720.

[3]) The reducing bridge table should be followed, see page 332.

The three-conductor spring-cage terminal blocks, ST...-TWIN are a space-saving and economic alternative to standard feed-through terminals when it comes to potential distribution.

In practice, three connections often have to be led to one terminal block. This task can be realized with the TWIN variant without any additional terminal blocks or bridges.

The universal FBS plug-in bridge system allows cross connections to neighboring feed-through terminal blocks.

End cover segments

End cover segments cover protruding terminal block segments of three and four-conductor terminal blocks when two-conductor terminal blocks are aligned. This ensures that they are touch-proof.

ST 1,5-TWIN ...

Ex: KEMA

KEMA 01ATEX2129 U / IECEx KEM 06.0043U

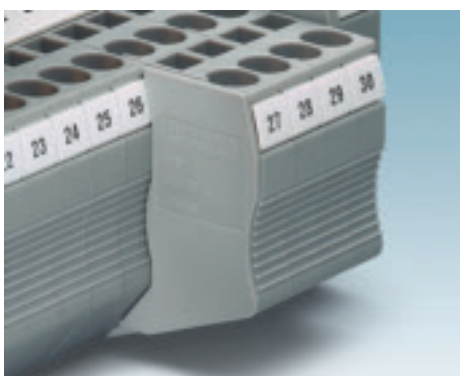
Dimensions	Width	Length	Height NS 35/7,5	
[mm]	4.2	60.5	36.5	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
	17.5[1])	500	0.08 - 1.5	28 - 16
Rated data	IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	500	300	300	440
Nominal current / cross-section [A] / [mm²]	17.5[1]) / 1.5	15 / -	15 / -	17.5 / 1.5 // 17.5 / 1.5
Rated cross-section [mm²]	1.5	-	-	1.5
Cross-section range AWG	28 - 16	26-14	26-14	28 - 16
Connection capacity	Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor [mm²]	0.08 - 1.5	0.08 - 1.5	0.14 - 1.5	0.14 - 1.5
Two stranded conductors with a TWIN ferrule [mm²]				0.5
General data				
Stripping length [mm]	10			
Insulating material	PA			
Inflammability class acc. to UL 94	V0			

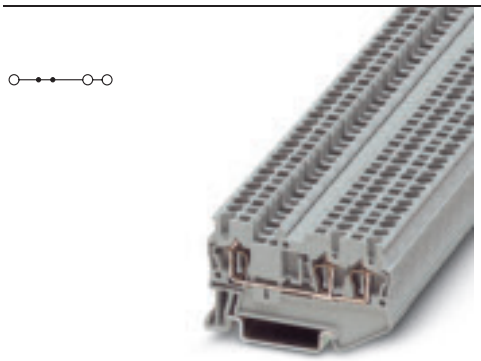
Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Spring-cage terminal block, for mounting on NS 35...		Gray	**ST 1,5-TWIN**		**3031128**	50
		Blue	**ST 1,5-TWIN BU**		**3031131**	50
		Orange	**ST 1,5-TWIN OG**		**3037258**	50
		Red	**ST 1,5-TWIN RD**		**3037274**	50
		Black	**ST 1,5-TWIN BK**		**3037300**	50

Accessories[2])

Cover, width 2.2 mm		Gray	**D-ST 2,5-TWIN**		**3030488**	50
End cover segment, for covering multi-conductor terminal blocks when two-conductor terminal blocks are aligned		Gray	**DS-ST 2,5**		**3036602**	10
Insulation stop sleeve, cross-section range:						
0.25 - 0.5 mm²		White	**ISH 1,5/0,2**		**3206131**	50
0.75 - 1 mm²		Gray	**ISH 1,5/0,5**		**3031034**	50
0.75 - 1 mm²		Black				
Plug-in bridge for cross connections in the bridge shaft						
	2	Red	**FBS 2-4**	17.5 A	**3030116**	50
	5	Red	**FBS 5-4**	17.5 A	**3030145**	50
	20	Red	**FBS 20-4**	17.5 A	**3030352**	10
Reducing bridge, for connecting from ST to ST terminals[3])						
	2	Red				
Partition plate, for visual and electrical separation of terminal groups, 2 mm thick		Gray	**ATP-ST-TWIN**		**3030789**	50
Test plug, consisting of: metal part for 2.3 mm Ø socket hole and **insulating sleeve** for MPS metal part		Red				
Modular test plug, for the individual assembly of test plug strips		Red	**PS-4**		**3030970**	10
Warning cover, for actuation shafts, 5-pos.		Yellow	**WST 1,5**		**3030958**	50
Screwdriver			**SZF 0-0,4X2,5**		**1204504**	10
UniCard sheet, for labeling the center groove			**UC-TM 4 (see page 478)**			
UniCard sheet, flat, for labeling the center and lateral grooves			**UC-TMF 4 (see page 482)**			
Zack marker strips for labeling the center and side grooves			**ZB 4 (see page 486)**			
Zack marker strip, flat, for labeling the center and lateral grooves			**ZBF 4 (see page 492)**			





ST 2,5-TWIN ...

Ex: KEMA 00ATEX2052U / IECEx KEM 06.0051U

Width	Length	Height NS 35/7,5	
5.2	**60.5**	**36.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
28[1])	**800**	**0.08 - 4**	**28 - 12**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800	600	600	550
24[1]) / 2.5	20 / -	20 / -	21.5 / 2.5 // 25 / 4
2.5	-	-	2.5
28 - 12	28-12	28-12	28 - 12
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
10			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
ST 2,5-TWIN		**3031241**	50
ST 2,5-TWIN BU		**3031254**	50
ST 2,5-TWIN OG		**3031982**	50
ST 2,5-TWIN RD		**3031995**	50
ST 2,5-TWIN BK		**3037342**	50
D-ST 2,5-TWIN		**3030488**	50
DS-ST 2,5		**3036602**	10
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	24 A	**3030161**	50
FBS 5-5	24 A	**3030190**	50
FBS 20-5	24 A	**3030226**	10
RB ST (2,5/4)-1,5	31 A	**3038943**	10
ATP-ST-TWIN		**3030789**	50
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
WST 2,5		**3030941**	50
SZF 1-0,6X3,5		**1204517**	10
UC-TM 5 (see page 479)			
UC-TMF 5 (see page 482)			
ZB 5 (see page 487)			
ZBF 5 (see page 492)			



ST 4-TWIN ...

Ex: KEMA 00ATEX2129U / IECEx KEM 06.0050U

Width	Length	Height NS 35/7,5	
6.2	**71.5**	**36.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
40[1])	**800**	**0.08 - 6**	**28 - 10**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800	600	600	550
32[1]) / 4	30 / -	30 / -	30 / 4 // 34.5 / 6
4	-	-	4
28 - 10	28-10	28-10	28 - 10
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4 0.5 - 1
10			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
ST 4-TWIN		**3031393**	50
ST 4-TWIN BU		**3031403**	50
ST 4-TWIN OG		**3037355**	50
ST 4-TWIN RD		**3037371**	50
ST 4-TWIN BK		**3037407**	50
D-ST 4-TWIN		**3030491**	50
DS-ST 4		**3036615**	10
ISH 4/0,5		**3002885**	50
ISH 4/1,0		**3002898**	50
FBS 2-6	32 A	**3030336**	50
FBS 5-6	32 A	**3030349**	50
FBS 20-6	32 A	**3030365**	10
RB ST (2,5/4)-1,5	31 A	**3038943**	10
ATP-ST-TWIN		**3030789**	50
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
WST 4		**3030954**	50
SZF 1-0,6X3,5		**1204517**	10
UC-TM 6 (see page 479)			
UC-TMF 6 (see page 483)			
ZB 6 (see page 487)			
ZBF 6 (see page 493)			



ST 6-TWIN ...

Ex: KEMA 00ATEX2129U / IECEx KEM 06.0050U

Width	Length	Height NS 35/7,5	
8.2	**90.5**	**43.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
52[1])	**800**	**0.2 - 10**	**24 - 8**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800	600	600	550
41[1]) / 6	50 / -	50 / -	36 / 6 // 46 / 10
6	-	-	6
24 - 8	24-8	24-8	24 - 8
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 10	0.2 - 6	0.25 - 6	0.25 - 6 0.5 - 1.5
12			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
ST 6-TWIN		**3036466**	50
ST 6-TWIN BU		**3036479**	50
D-ST 6-TWIN		**3036767**	50
FBS 2-8	41 A	**3030284**	10
FBS 5-8	41 A	**3030310**	10
RB ST 6-(2,5/4)		**3030860**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-8		**3031005**	10
WST 6		**3030967**	10
SZF 2-0,8X4,0		**1204520**	10
UC-TM 8 (see page 479)			
UC-TMF 8 (see page 483)			
ZB 8 (see page 489)			
ZBF 8 (see page 493)			

Multi-conductor terminal blocks
ST ...-TWIN



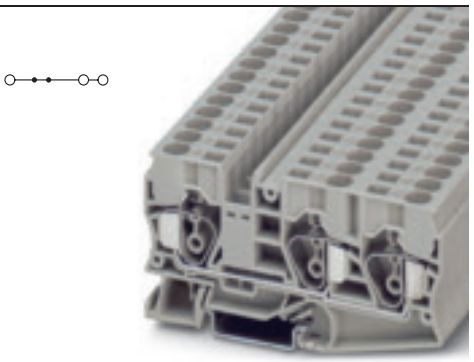
For potential distribution with large conductor cross-sections of 10 and 16 mm², the three-conductor spring-cage terminal blocks ST...-TWIN offer a space-saving alternative to the standard feed-through terminal blocks. The ST...-TWIN are ideal for use as potential distributors in ring feeder systems.

The universal plug-in bridge system allows cross connections to neighboring terminal blocks. With the reducing bridge RB ST ...(2,5/4), even terminal blocks with a nominal cross-section of 2.5 or 4 mm² can be combined without addition wiring.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) The max. load current must not be exceeded by the total current of all connected conductors.

[2]) The reducing bridge table should be followed, see page 332.



ST 10-TWIN ...

Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		10.2	**97**	**49.6**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²] / AWG
		70[1])	**800**	**0.2 - 16 / 24 - 6**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA / IEC/ EN 60079-7
Rated voltage	[V]	800	600	600 / -
Nominal current / cross-section	[A] / [mm²]	57[1]) / 10	60 / -	65 / -
Rated cross-section	[mm²]	10	-	- / -
Cross-section range	AWG	24 - 6	16-6	16-6 / -
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve
One conductor	[mm²]	0.2 - 16	0.2 - 10	0.25 - 10 / 0.25 - 10
Two stranded conductors with a TWIN ferrule	[mm²]			1.5 - 2.5
General data				
Stripping length	[mm]	18		
Insulating material		PA		
Inflammability class acc. to UL 94		V0		

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Spring-cage terminal block, for mounting on NS 35...		Gray	**ST 10-TWIN**		**3035288**	25
		Blue	**ST 10-TWIN BU**		**3035292**	25

Accessories

Cover, width 2.2 mm		Gray	**D-ST 10-TWIN**		**3035315**	50
Plug-in bridge for cross connections in the bridge shaft	2	Red	**FBS 2-10**	57 A	**3005947**	10
Reducing bridge, for connecting from ST to ST, PIT or QTC terminal blocks[2])	2	Red	**RB ST 10-(2,5/4)**		**3030873**	10
Test plug, consisting of: metal part for 2.3 mm Ø socket hole and			**MPS-MT**		**0201744**	10
insulating sleeve for MPS metal part		Red	**MPS-IH RD**		**0201676**	10
Warning cover, for actuation shafts, 5-pos.			**WST 10/35**		**3030006**	25
Screwdriver			**SZF 3-1,0X5,5**		**1206612**	10
UniCard sheet, for labeling the center groove			**UC-TM 10 (see page 480)**			
UniCard sheet, flat, for labeling the center and lateral grooves			**UC-TMF 10 (see page 483)**			
Zack markers, for labeling the center groove			**ZB 10 (see page 489)**			
Zack marker strip, flat, for labeling the center and lateral grooves			**ZBF 10 (see page 494)**			



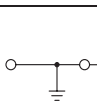
ST 16-TWIN ...

Width	Length	Height NS 35/7,5	
12.2	**107.8**	**50.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
90[1])	**800**	**0.2 - 25**	**24 - 4**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800	600	600	-
76[1]) / 16	85 / -	85 / -	-
16	-	-	-
24 - 4	16-4	16-4	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 25	0.2 - 16	0.25 - 16	0.25 - 16 1.5 - 4
18			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
ST 16-TWIN		**3035328**	25
ST 16-TWIN BU		**3035331**	25
D-ST 16-TWIN		**3035357**	50
FBS 2-12	76 A	**3005950**	10
RB ST 16-(2,5/4)		**3030886**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
WST 10/35		**3030006**	25
SZF 3-1,0X5,5		**1206612**	10
UC-TM 12 (see page 481)			
UC-TMF 12 (see page 484)			
ZB 12 (see page 490)			
ZBF 12 (see page 494)			

Multi-conductor ground terminal blocks ST ...-TWIN-PE







ST 1,5-TWIN-PE

The ST ...-TWIN-PE ground terminal blocks with the same shape and pitch as the ST...-TWIN terminal blocks round off the range.

Correct mechanical and electrical contacting is guaranteed by simply snapping the terminal block onto the rail.

The ST ...-TWIN-PE ground terminal blocks fulfill all requirements of IEC 60947-7-2. These are in particular:

– Low contact resistances
– Corrosion-proof terminal points
– Green-yellow housing
– Additional options for marking

Current carrying capacity of DIN rails, see page 728.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) For information on installation for using accessories for Ex e applications, see page 720.

Ex: KEMA 01ATEX2129 U / IECEx KEM 06.0043U

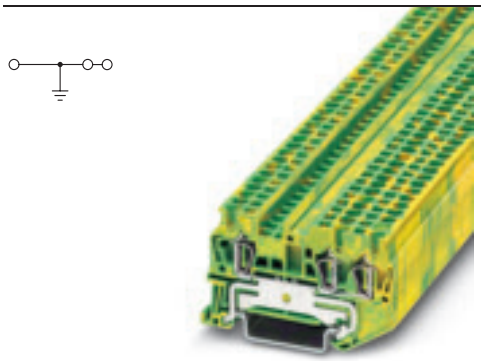
Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		4.2	**60.5**	**36.5**
Max. electrical data				
				Max. Ø [mm²] / AWG
				0.08 - 1.5 / 28 - 16
Rated data		IEC 60947-7-2 IEC	UL / CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	-	-	-
Nominal current / cross-section	[A] / [mm²]	- / -	- / -	- / - / 1.5
Rated cross-section	[mm²]	1.5	-	- / 1.5
Cross-section range	AWG	28 - 16	26-14	26-14 / 28 - 16
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve
One conductor	[mm²]	0.08 - 1.5	0.08 - 1.5	0.14 - 1.5 / 0.14 - 1.5
Two stranded conductors with a TWIN ferrule	[mm²]			0.5
General data				
Stripping length	[mm]	10		
Insulating material		PA		
Inflammability class acc. to UL 94		V0		

Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.
Spring-cage ground terminal block, for mounting on NS 35...		Green-yellow	**ST 1,5-TWIN-PE**	**3031144**	50

Accessories[1])

Cover, width 2.2 mm		Gray	**D-ST 2,5-TWIN**	**3030488**	50
End cover segment, for covering multi-conductor terminal blocks when two-conductor terminal blocks are aligned		Gray	**DS-ST 2,5**	**3036602**	10
Insulation stop sleeve, cross-section range:					
0.25 - 0.5 mm²		White	**ISH 1,5/0,2**	**3206131**	50
0.75 - 1 mm²		Gray	**ISH 1,5/0,5**	**3031034**	50
0.75 - 1 mm²		Black			
Plug-in bridge for cross connections in the bridge shaft					
	2	Red			
	3	Red			
	4	Red			
	5	Red			
	10	Red			
Test plug, consisting of: metal part for 2.3 mm Ø socket hole and **insulating sleeve** for MPS metal part		Red			
Modular test plug, for the individual assembly of test plug strips		Red			
Warning cover, for actuation shafts, 5-pos.		Yellow	**WST 1,5**	**3030958**	50
Screwdriver			**SZF 0-0,4X2,5**	**1204504**	10
UniCard sheet, for labeling the center groove			**UC-TM 4 (see page 478)**		
UniCard sheet, flat, for labeling the center and lateral grooves			**UC-TMF 4 (see page 482)**		
Zack markers, for labeling the center groove			**ZB 4 (see page 486)**		
Zack marker strip, flat, for labeling the center and lateral grooves			**ZBF 4 (see page 492)**		



ST 2,5-TWIN-PE

Ex: KEMA
KEMA 00ATEX2052U / IECEx KEM 06.0051U

Width	Length	Height NS 35/7,5	
5.2	**60.5**	**36.5**	
		Max. Ø [mm²]	AWG
		0.08 - 4	**28 - 12**
IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	- / 2.5
2.5	-	-	2.5
28 - 12	28-12	28-12	28 - 12
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
10			
PA			
V0			

Type	Order No.	Pcs. / Pkt.
ST 2,5-TWIN-PE	**3031267**	50
D-ST 2,5-TWIN	**3030488**	50
DS-ST 2,5	**3036602**	10
ISH 2,5/0,2	**3002843**	50
ISH 2,5/0,5	**3002856**	50
ISH 2,5/1,0	**3002869**	50
WST 2,5	**3030941**	50
SZF 1-0,6X3,5	**1204517**	10
UC-TM 5 (see page 479)		
UC-TMF 5 (see page 482)		
ZB 5 (see page 487)		
ZBF 5 (see page 492)		



ST 4-TWIN-PE

Ex: KEMA
KEMA 00ATEX2129U / IECEx KEM 06.0050U

Width	Length	Height NS 35/7,5	
6.2	**71.5**	**36.5**	
		Max. Ø [mm²]	AWG
		0.08 - 6	**28 - 10**
IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	- / 4
4	-	-	4
28 - 10	28-10	28-10	28 - 10
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4 0.5 - 1
10			
PA			
V0			

Type	Order No.	Pcs. / Pkt.
ST 4-TWIN-PE	**3031416**	50
D-ST 4-TWIN	**3030491**	50
DS-ST 4	**3036615**	10
ISH 4/0,5	**3002885**	50
ISH 4/1,0	**3002898**	50
WST 4	**3030954**	50
SZF 1-0,6X3,5	**1204517**	10
UC-TM 6 (see page 479)		
UC-TMF 6 (see page 483)		
ZB 6 (see page 487)		
ZBF 6 (see page 493)		



ST 6-TWIN-PE

Ex: KEMA
KEMA 00ATEX2129U / IECEx KEM 06.0050U

Width	Length	Height NS 35/7,5	
8.2	**90.5**	**43.5**	
		Max. Ø [mm²]	AWG
		0.2 - 10	**24 - 8**
IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	- / 6
6	-	-	6
24 - 8	24-8	24-8	24 - 8
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 10	0.2 - 6	0.25 - 6	0.25 - 6 0.5 - 1.5
12			
PA			
V0			

Type	Order No.	Pcs. / Pkt.
ST 6-TWIN-PE	**3036482**	50
D-ST 6-TWIN	**3036767**	50
FBS 2-8	**3030284**	10
FBS 3-8	**3030297**	10
FBS 4-8	**3030307**	10
FBS 5-8	**3030310**	10
FBS 10-8	**3030323**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-8	**3031005**	10
WST 6	**3030967**	10
SZF 2-0,8X4,0	**1204520**	10
UC-TM 8 (see page 479)		
UC-TMF 8 (see page 483)		
ZB 8 (see page 489)		
ZBF 8 (see page 493)		

Multi-conductor ground terminal blocks ST ...-TWIN-PE

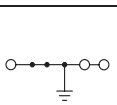


Ground terminal blocks of the same shape are also available for the three-conductor terminal blocks having the nominal cross-sections 10 and 16 mm². Contact to the DIN rail is ensured by simply snapping the terminal block onto the rail.

Current carrying capacity of DIN rails, see page 728.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

1) The max. load current must not be exceeded by the total current of all connected conductors.





ST 10-TWIN-PE

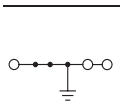
Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		10.2	**97**	**49.6**
Max. electrical data		$I_{max.}$ [A]		Max. Ø [mm²] / AWG
		70[1])		**0.2 - 16 / 24 - 6**
Rated data		IEC 60947-7-2 IEC	UL / CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	-	-	- / -
Nominal current / cross-section	[A] / [mm²]	57[1]) / 10	- / -	- / -
Rated cross-section	[mm²]	10	-	- / -
Cross-section range	AWG	24 - 6	16-6	16-6 / -
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve
One conductor	[mm²]	0.2 - 16	0.2 - 10	0.25 - 10 / 0.25 - 10
Two stranded conductors with a TWIN ferrule	[mm²]			1.5 - 2.5
General data				
Stripping length	[mm]	18		
Insulating material		PA		
Inflammability class acc. to UL 94		V0		

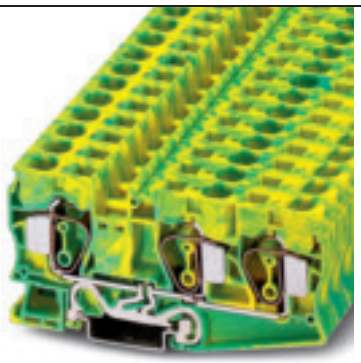
Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Spring-cage ground terminal block, for mounting on NS 35...		Green-yellow	**ST 10-TWIN-PE**		**3035302**	25

Accessories

Cover, width 2.2 mm		Gray	**D-ST 10-TWIN**		**3035315**	50
Plug-in bridge for cross connections in the bridge shaft	2	Red	**FBS 2-10**	57 A	**3005947**	10
Test plug, consisting of: metal part for 2.3 mm Ø socket hole and **insulating sleeve** for MPS metal part		Red	**MPS-MT** / **MPS-IH RD**		**0201744** / **0201676**	10 / 10
Warning cover, for actuation shafts, 5-pos.			**WST 10/35**		**3030006**	25
Screwdriver			**SZF 3-1,0X5,5**		**1206612**	10
UniCard sheet, for labeling the center groove			**UC-TM 10 (see page 480)**			
UniCard sheet, flat, for labeling the center and lateral grooves			**UC-TMF 10 (see page 483)**			
Zack markers, for labeling the center groove			**ZB 10 (see page 489)**			
Zack marker strip, flat, for labeling the center and lateral grooves			**ZBF 10 (see page 494)**			





ST 16-TWIN-PE

Width	Length	Height NS 35/7,5	
12.2	**107.8**	**50.5**	
$I_{max.}$ [A]		Max. Ø [mm²]	AWG
90[1])		**0.2 - 25**	**24 - 4**
IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
76[1]) / 16	- / -	- / -	-
16	-	-	-
24 - 4	16-4	16-4	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 25	0.2 - 16	0.25 - 16	0.25 - 16 1.5 - 4
18			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
ST 16-TWIN-PE		**3035344**	25

D-ST 16-TWIN		**3035357**	50
FBS 2-12	76 A	**3005950**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
WST 10/35		**3030006**	25
SZF 3-1,0X5,5		**1206612**	10
UC-TM 12 (see page 481)			
UC-TMF 12 (see page 484)			
ZB 12 (see page 490)			
ZBF 12 (see page 494)			

Four-conductor terminal blocks
ST ...-QUATTRO

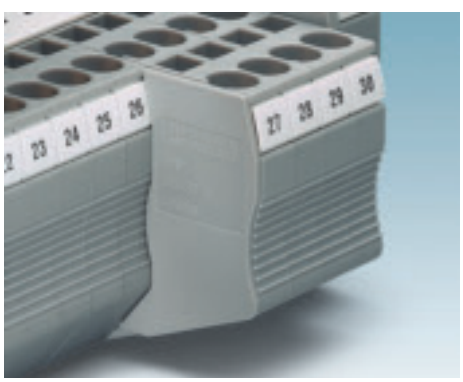


The double connection of the ST ...-QUATTRO allows four conductors to be connected on one potential. The QUATTRO variants can therefore be used as compact potential distributors.

The FBS plug-in bridge system allows any number of terminal blocks to be bridged and thus achieves further potential distribution.

End cover segments

End cover segments cover protruding terminal block segments of three and four-conductor terminal blocks when two-conductor terminal blocks are aligned. This ensures that they are touch-proof.



For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) The max. load current must not be exceeded by the total current of all connected conductors.

[2]) For information on installation for using accessories for Ex e applications, see page 720.

[3]) The reducing bridge table should be followed, see page 332.



ST 1,5-QUATTRO ...

Ex: KEMA 01ATEX2129 U / IECEx KEM 06.0043U

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	4.2	72	36.5	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		17.5[1])	500	0.08 - 1.5	28 - 16
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	300	300	440
Nominal current / cross-section	[A] / [mm²]	17.5[1]) / 1.5	15 / -	15 / -	17.5 / 1.5 // 17.5 / 1.5
Rated cross-section	[mm²]	1.5	-	-	1.5
Cross-section range	AWG	28 - 16	26-14	26-14	28 - 16
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.08 - 1.5	0.08 - 1.5	0.14 - 1.5	0.14 - 1.5
Two stranded conductors with a TWIN ferrule	[mm²]				0.5
General data					
Stripping length	[mm]	10			
Insulating material		PA			
Inflammability class acc. to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Spring-cage terminal block, for mounting on NS 35...		Gray	**ST 1,5-QUATTRO**		**3031186**	50
		Blue	**ST 1,5-QUATTRO BU**		**3031199**	50

Accessories[2])

Cover, width 2.2 mm		Gray	**D-ST 2,5-QUATTRO**		**3030514**	50
End cover segment, for covering multi-conductor terminal blocks when two-conductor terminal blocks are aligned		Gray	**DS-ST 2,5**		**3036602**	10
Insulation stop sleeve, cross-section range:						
0.25 - 0.5 mm²		White	**ISH 1,5/0,2**		**3206131**	50
0.75 - 1 mm²		Gray	**ISH 1,5/0,5**		**3031034**	50
0.75 - 1 mm²		Black				
Plug-in bridge for cross connections in the bridge shaft						
	2	Red	**FBS 2-4**	17.5 A	**3030116**	50
	3	Red	**FBS 3-4**	17.5 A	**3030129**	50
	4	Red	**FBS 4-4**	17.5 A	**3030132**	50
	5	Red	**FBS 5-4**	17.5 A	**3030145**	50
	10	Red	**FBS 10-4**	17.5 A	**3030158**	10
	20	Red	**FBS 20-4**	17.5 A	**3030352**	10
Reducing bridge, for connecting from ST to ST terminals[3])						
	2	Red				
Partition plate, for visual and electrical separation of terminal groups, 2 mm thick		Gray	**ATP-ST QUATTRO**		**3030815**	50
Test plug, consisting of: metal part for 2.3 mm Ø socket hole and **insulating sleeve** for MPS metal part		Red				
Modular test plug, for the individual assembly of test plug strips		Red	**PS-4**		**3030970**	10
Warning cover, for actuation shafts, 5-pos.		Yellow	**WST 1,5**		**3030958**	50
Screwdriver			**SZF 0-0,4X2,5**		**1204504**	10
UniCard sheet, for labeling the center groove			**UC-TM 4 (see page 478)**			
UniCard sheet, flat, for labeling the center and lateral grooves			**UC-TMF 4 (see page 482)**			
Zack markers, for labeling the center groove			**ZB 4 (see page 486)**			
Zack marker strip, flat, for labeling the center and lateral grooves			**ZBF 4 (see page 492)**			



ST 2,5-QUATTRO ...

Ex: KEMA
KEMA 00ATEX2052U / IECEx KEM 06.0051U

Width	Length	Height NS 35/7,5	
5.2	**72**	**36.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
28[1])	**800**	**0.08 - 4**	**28 - 12**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800	600	600	550
24[1]) / 2.5	20 / -	20 / -	22 / 2.5 // 26 / 4
2.5	-	-	2.5
28 - 12	28-12	28-12	28 - 12
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
10			
PA			
V0			



ST 4-QUATTRO ...

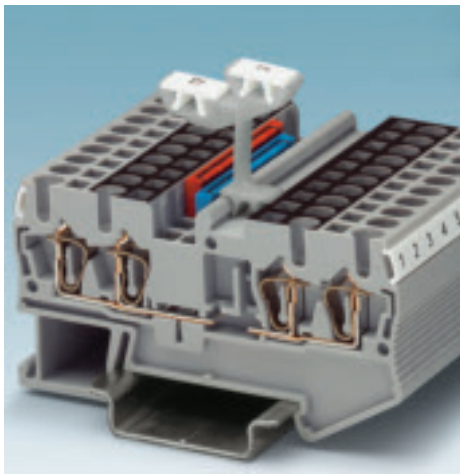
Ex: KEMA
KEMA 00ATEX2129U / IECEx KEM 06.0050U

Width	Length	Height NS 35/7,5	
6.2	**87**	**36.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
40[1])	**800**	**0.08 - 6**	**28 - 10**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800	600	600	550
32[1]) / 4	30 / -	30 / -	28.5 / 4 // 34.5 / 6
4	-	-	4
28 - 10	28-10	28-10	28 - 10
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4 0.5 - 1
10			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
ST 2,5-QUATTRO		**3031306**	50
ST 2,5-QUATTRO BU		**3031319**	50
D-ST 2,5-QUATTRO		**3030514**	50
DS-ST 2,5		**3036602**	10
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
RB ST (2,5/4)-1,5		**3038943**	10
ATP-ST QUATTRO		**3030815**	50
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
WST 2,5		**3030941**	50
SZF 1-0,6X3,5		**1204517**	10
UC-TM 5 (see page 479)			
UC-TMF 5 (see page 482)			
ZB 5 (see page 487)			
ZBF 5 (see page 492)			

Type	I_{max}	Order No.	Pcs. / Pkt.
ST 4-QUATTRO		**3031445**	50
ST 4-QUATTRO BU		**3031458**	50
D-ST 4-QUATTRO		**3030527**	50
DS-ST 4		**3036615**	10
ISH 4/0,5		**3002885**	50
ISH 4/1,0		**3002898**	50
FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 10-6	32 A	**3030271**	10
FBS 20-6	32 A	**3030365**	10
RB ST (2,5/4)-1,5		**3038943**	10
ATP-ST QUATTRO		**3030815**	50
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
WST 4		**3030954**	50
SZF 1-0,6X3,5		**1204517**	10
UC-TM 6 (see page 479)			
UC-TMF 6 (see page 483)			
ZB 6 (see page 487)			
ZBF 6 (see page 493)			

Four-conductor terminal blocks
ST ...-QUATTRO-U



These four-conductor spring-cage terminal blocks are characterized by an interrupted busbar in the terminal center. This makes two feed-through terminal blocks available in one level. One side of the ST ...-QUATTRO-U can also be bridged using FBS... plug-in bridges.

Double marker carriers are available for clear marking of the feed-through levels, see page 338.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) The max. load current must not be exceeded by the total current of all connected conductors.

[2]) The reducing bridge table should be followed, see page 332.



ST 1,5-QUATTRO-U

Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		4.2	**72**	**36.5**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²] / AWG
		17.5[1])	**500**	**0.08 - 1.5 / 28 - 16**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA / IEC/ EN 60079-7
Rated voltage	[V]	500	300	- / -
Nominal current / cross-section	[A] / [mm²]	17.5[1]) / 1.5	15 / -	- / - / -
Rated cross-section	[mm²]	1.5	-	- / -
Cross-section range	AWG	28 - 16	26-14	- / -
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve
One conductor	[mm²]	0.08 - 1.5	0.08 - 1.5	0.14 - 1.5 / 0.14 - 1.5
Two stranded conductors with a TWIN ferrule	[mm²]			0.5
General data				
Stripping length	[mm]	10		
Insulating material		PA		
Inflammability class acc. to UL 94		V0		

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Spring-cage terminal block, with interrupted current bar, can be bridged on one side, for mounting on NS 35...		Gray	**ST 1,5-QUATTRO-U**		**3038600**	50

Accessories

Cover, width 2.2 mm		Gray	**D-ST 2,5-QUATTRO**		**3030514**	50
End cover segment, for covering multi-conductor terminal blocks when two-conductor terminal blocks are aligned		Gray	**DS-ST 2,5**		**3036602**	10
Insulation stop sleeve, cross-section range:						
0.25 - 0.5 mm²		White	**ISH 1,5/0,2**		**3206131**	50
0.75 - 1 mm²		Gray	**ISH 1,5/0,5**		**3031034**	50
0.75 - 1 mm²		Black				
Plug-in bridge for cross connections in the bridge shaft						
	2	Red	**FBS 2-4**	17.5 A	**3030116**	50
	3	Red	**FBS 3-4**	17.5 A	**3030129**	50
	4	Red	**FBS 4-4**	17.5 A	**3030132**	50
	5	Red	**FBS 5-4**	17.5 A	**3030145**	50
	10	Red	**FBS 10-4**	17.5 A	**3030158**	10
	20	Red	**FBS 20-4**	17.5 A	**3030352**	10
Reducing bridge, for connecting from ST to ST terminals[2])						
	2	Red				
Partition plate, for visual and electrical separation of terminal groups, 2 mm thick		Gray	**ATP-ST QUATTRO**		**3030815**	50
Test plug, consisting of: metal part for 2.3 mm Ø socket hole and **insulating sleeve** for MPS metal part		Red				
Modular test plug, for the individual assembly of test plug strips		Red	**PS-4**		**3030970**	10
Warning cover, for actuation shafts, 5-pos.		Yellow	**WST 1,5**		**3030958**	50
Screwdriver			**SZF 0-0,4X2,5**		**1204504**	10
UniCard sheet, for labeling the center groove			**UC-TM 4 (see page 478)**			
UniCard sheet, flat, for labeling the center and lateral grooves			**UC-TMF 4 (see page 482)**			
Zack markers, for labeling the center groove			**ZB 4 (see page 486)**			
Zack marker strip, flat, for labeling the center and lateral grooves			**ZBF 4 (see page 492)**			



ST 2,5-QUATTRO-U

Width	Length	Height NS 35/7,5	
5.2	**72**	**36.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
28[1])	**800**	**0.08 - 4**	**28 - 12**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800	600	600	-
24[1]) / 2.5	20 / -	20 / -	-
2.5	-	-	-
28 - 12	28-12	28-12	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
10			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
ST 2,5-QUATTRO-U		**3031636**	50
D-ST 2,5-QUATTRO		**3030514**	50
DS-ST 2,5		**3036602**	10
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
RB ST (2,5/4)-1,5		**3038943**	10
ATP-ST QUATTRO		**3030815**	50
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
WST 2,5		**3030941**	50
SZF 1-0,6X3,5		**1204517**	10
UC-TM 5 (see page 479)			
UC-TMF 5 (see page 482)			
ZB 5 (see page 487)			
ZBF 5 (see page 492)			



ST 4-QUATTRO-U

Width	Length	Height NS 35/7,5	
6.2	**87**	**36.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
37[1])	**800**	**0.08 - 6**	**28 - 10**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800	600	-	-
28[1]) / 4	30 / -	- / -	-
4	-	-	-
28 - 10	28-10	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4 0.5 - 1
10			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
ST 4-QUATTRO-U		**3038639**	50
D-ST 4-QUATTRO		**3030527**	50
DS-ST 4		**3036615**	10
ISH 4/0,5		**3002885**	50
ISH 4/1,0		**3002898**	50
FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 10-6	32 A	**3030271**	10
FBS 20-6	32 A	**3030365**	10
RB ST (2,5/4)-1,5		**3038943**	10
ATP-ST QUATTRO		**3030815**	50
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
WST 4		**3030954**	50
SZF 1-0,6X3,5		**1204517**	10
UC-TM 6 (see page 479)			
UC-TMF 6 (see page 483)			
ZB 6 (see page 487)			
ZBF 6 (see page 493)			

Four-conductor terminal blocks ST ...-QUATTRO-PE

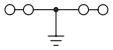


The ST...-QUATTRO-PE ground terminal blocks are available with the same shape and pitch as the ST...-QUATTRO four-conductor terminal blocks.

Correct mechanical and electrical contacting is guaranteed by simply snapping the terminal block onto the rail.

The ST ...-QUATTRO-PE ground terminal blocks fulfill all requirements of IEC 60947-7-2. These are in particular:

– Low contact resistances
– Corrosion-proof terminal points
– Green-yellow housing
– Additional options for marking





ST 1,5-QUATTRO-PE

Current carrying capacity of DIN rails, see page 728.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) For information on installation for using accessories for Ex e applications, see page 720.

Ex: KEMA 01ATEX2129 U / IECEx KEM 06.0043U

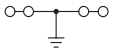
Dimensions	Width	Length	Height NS 35/7,5	
[mm]	**4.2**	**72**	**36.5**	
Max. electrical data			Max. Ø [mm²]	AWG
			0.08 - 1.5	**28 - 16**
Rated data	IEC 60947-7-2 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	-	-	-	-
Nominal current / cross-section [A] / [mm²]	- / -	- / -	- / -	- / 1.5
Rated cross-section [mm²]	1.5	-	-	1.5
Cross-section range AWG	28 - 16	26-14	26-14	28 - 16
Connection capacity	Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor [mm²]	0.08 - 1.5	0.08 - 1.5	0.14 - 1.5	0.14 - 1.5
Two stranded conductors with a TWIN ferrule [mm²]				0.5
General data				
Stripping length [mm]	10			
Insulating material	PA			
Inflammability class acc. to UL 94	V0			

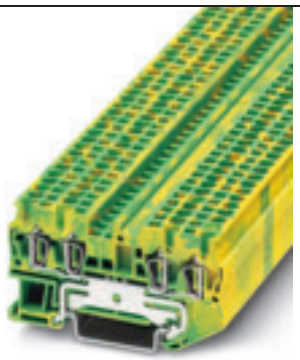
Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.
Spring-cage ground terminal block, for mounting on NS 35...		Green-yellow	**ST 1,5-QUATTRO-PE**	**3031209**	50

Accessories[1])

Cover, width 2.2 mm		Gray	**D-ST 2,5-QUATTRO**	**3030514**	50
End cover segment, for covering multi-conductor terminal blocks when two-conductor terminal blocks are aligned		Gray	**DS-ST 2,5**	**3036602**	10
Insulation stop sleeve, cross-section range:					
0.25 - 0.5 mm²		White	**ISH 1,5/0,2**	**3206131**	50
0.75 - 1 mm²		Gray	**ISH 1,5/0,5**	**3031034**	50
0.75 - 1 mm²		Black			
Warning cover, for actuation shafts, 5-pos.		Yellow	**WST 1,5**	**3030958**	50
Screwdriver			**SZF 0-0,4X2,5**	**1204504**	10
UniCard sheet, for labeling the center groove			**UC-TM 4 (see page 478)**		
UniCard sheet, flat, for labeling the center and lateral grooves			**UC-TMF 4 (see page 482)**		
Zack markers, for labeling the center groove			**ZB 4 (see page 486)**		
Zack marker strip, flat, for labeling the center and lateral grooves			**ZBF 4 (see page 492)**		





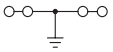
ST 2,5-QUATTRO-PE

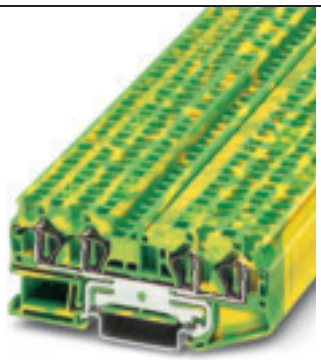
Ex: KEMA

KEMA 00ATEX2052U / IECEx KEM 06.0051U

Width	Length	Height NS 35/7,5	
5.2	**72**	**36.5**	
		Max. Ø [mm²]	AWG
		0.08 - 4	**28 - 12**
IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	- / 2.5
2.5	-	-	2.5
28 - 12	28-12	28-12	28 - 12
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
10			
PA			
V0			

Type	Order No.	Pcs. / Pkt.
ST 2,5-QUATTRO-PE	**3031322**	50
D-ST 2,5-QUATTRO	**3030514**	50
DS-ST 2,5	**3036602**	10
ISH 2,5/0,2	**3002843**	50
ISH 2,5/0,5	**3002856**	50
ISH 2,5/1,0	**3002869**	50
WST 2,5	**3030941**	50
SZF 1-0,6X3,5	**1204517**	10
UC-TM 5 (see page 479)		
UC-TMF 5 (see page 482)		
ZB 5 (see page 487)		
ZBF 5 (see page 492)		





ST 4-QUATTRO-PE

Ex: KEMA

KEMA 00ATEX2129U / IECEx KEM 06.0050U

Width	Length	Height NS 35/7,5	
6.2	**87**	**36.5**	
		Max. Ø [mm²]	AWG
		0.08 - 6	**28 - 10**
IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	- / 4
4	-	-	4
28 - 10	28-10	28-10	28 - 10
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4 0.5 - 1
10			
PA			
V0			

Type	Order No.	Pcs. / Pkt.
ST 4-QUATTRO-PE	**3031461**	50
D-ST 4-QUATTRO	**3030527**	50
DS-ST 4	**3036615**	10
ISH 4/0,5	**3002885**	50
ISH 4/1,0	**3002898**	50
WST 4	**3030954**	50
SZF 1-0,6X3,5	**1204517**	10
UC-TM 6 (see page 479)		
UC-TMF 6 (see page 483)		
ZB 6 (see page 487)		
ZBF 6 (see page 493)		

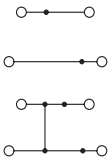
Multi-level terminal blocks STTB ...



For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) The max. load current must not be exceeded by the total current of all connected conductors.

[2]) For information on installation for using accessories for Ex e applications, see page 720.





STTB 1,5 ...

KEMA 01ATEX2129 U / IECEx KEM 06.0043U

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**4.2**	**67.5**	**47.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		17.5	**500**	**0.08 - 1.5**	**28 - 16**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	300	300	440
Nominal current / cross-section	[A] / [mm²]	17.5 / 1.5	15 / -	15 / -	15 / 1.5 // 15 / 1.5
Rated cross-section	[mm²]	1.5	-	-	1.5
Cross-section range	AWG	28 - 16	26-14	26-14	28 - 16
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.08 - 1.5	0.08 - 1.5	0.14 - 1.5	0.14 - 1.5
Two stranded conductors with a TWIN ferrule	[mm²]				0.5
General data					
Stripping length	[mm]	10			
Insulating material		PA			
Inflammability class acc. to UL 94		V0			

Marker carriers for multi-level terminal blocks

STP... marker carriers are for better labeling of wired multi-level terminal blocks. Depending on the design, the carriers are either plugged into the upper terminal level or are snapped into the uppermost marking groove if it is available.

STTB...-PV potential distributor terminals

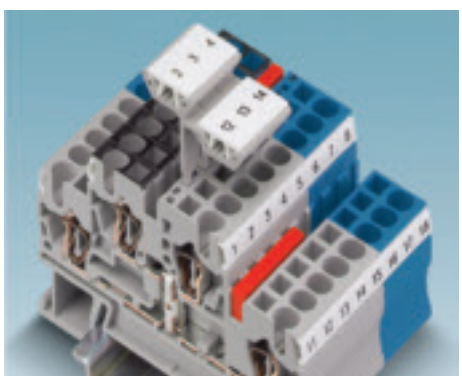
Both the levels are connected to each other in **STTB...-PV** double-level spring-cage terminal blocks. The equipotential bonding is marked by an imprint on the terminal housing.

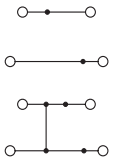
Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Spring-cage terminal block, for mounting on NS 35...		Gray	**STTB 1,5**		**3031157**	50
		Blue	**STTB 1,5 BU**		**3031160**	50
Spring-cage terminal block, with potential distribution between the levels, for mounting on NS 35...		Gray	**STTB 1,5-PV**		**3031526**	50
		Blue				

Accessories[2])

Cover, width 2.2 mm		Gray	**D-STTB 2,5**		**3030459**	50
Insulation stop sleeve, cross-section range:						
0.25 - 0.5 mm²		White	**ISH 1,5/0,2**		**3206131**	50
0.75 - 1 mm²		Gray	**ISH 1,5/0,5**		**3031034**	50
0.75 - 1 mm²		Black				
Plug-in bridge for cross connections in the bridge shaft						
	2	Red	**FBS 2-4**	15 A	**3030116**	50
	3	Red	**FBS 3-4**	15 A	**3030129**	50
	4	Red	**FBS 4-4**	15 A	**3030132**	50
	5	Red	**FBS 5-4**	15 A	**3030145**	50
	10	Red	**FBS 10-4**	15 A	**3030158**	10
	20	Red	**FBS 20-4**	15 A	**3030352**	10
Partition plate, for visual and electrical separation of terminal groups, 2 mm thick		Gray	**ATP-STTB 4**		**3030747**	50
Test adapter, for 4 mm Ø PS test plug and 4 mm safety test plug, makes contact in the bridge shaft		Gray	**PAI-4**		**3030925**	10
Modular test plug, for the individual assembly of test plug strips		Red	**PS-4**		**3030970**	10
Double marker carrier, can be snapped into the double-level terminal blocks STTB 1,5, can be labeled with UC-TM 4, ZB 4 or UC-TMF 4, ZBF 4		Gray	**STP 4-2**		**0810575**	100
Warning cover, for actuation shafts, 5-pos.		Yellow	**WST 1,5**		**3030958**	50
Screwdriver			**SZF 0-0,4X2,5**		**1204504**	10
UniCard sheet, flat, for labeling the lateral groove			**UC-TMF 4 (see page 482)**			
Zack marker strip, flat, for labeling the lateral groove			**ZBF 4 (see page 492)**			



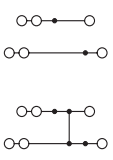



STTB 2,5 ...

Ex: KEMA
KEMA 00ATEX2052U / IECEx KEM 06.0051U

Width	Length	Height NS 35/7,5	
5.2	**67.5**	**47.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
26	**500**	**0.08 - 4**	**28 - 12**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	600	300	440
22 / 2.5	20 / -	20 / -	19.5 / 2.5 // 23.5 / 4
2.5	-	-	2.5
28 - 12	28-12	28-12	28 - 12
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
10			
PA			
V0			

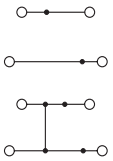
Type	I_{max}	Order No.	Pcs. / Pkt.
STTB 2,5		**3031270**	50
STTB 2,5 BU		**3031283**	50
STTB 2,5-PV		**3031539**	50
STTB 2,5-PV BU		**3035108**	50
D-STTB 2,5		**3030459**	50
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	20 A	**3030161**	50
FBS 3-5	20 A	**3030174**	50
FBS 4-5	20 A	**3030187**	50
FBS 5-5	20 A	**3030190**	50
FBS 10-5	20 A	**3030213**	10
FBS 20-5	20 A	**3030226**	10
ATP-STTB 4		**3030747**	50
PAI-4		**3030925**	10
PS-5		**3030983**	10
STP 5-2		**0800967**	100
WST 2,5		**3030941**	50
SZF 1-0,6X3,5		**1204517**	10
UC-TMF 5 (see page 482)			
ZBF 5 (see page 492)			




STTB 2,5-TWIN ...

Width	Length	Height NS 35/7,5	
5.2	**91.5**	**47.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
26[1])	**500**	**0.08 - 4**	**28 - 12**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	300	300	-
22[1]) / 2.5	20 / -	20 / -	-
2.5	-	-	-
28 - 12	28-12	28-12	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
10			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
STTB 2,5-TWIN		**3038516**	50
STTB 2,5-TWIN BU		**3038529**	50
STTB 2,5-TWIN-PV		**3038545**	50
D-STTB 2,5-TWIN		**3038558**	50
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	20 A	**3030161**	50
FBS 3-5	20 A	**3030174**	50
FBS 4-5	20 A	**3030187**	50
FBS 5-5	20 A	**3030190**	50
FBS 10-5	20 A	**3030213**	10
FBS 20-5	20 A	**3030226**	10
ATP-STTB 4		**3030747**	50
PAI-4		**3030925**	10
PS-5		**3030983**	10
STP 5-2		**0800967**	100
WST 2,5		**3030941**	50
SZF 1-0,6X3,5		**1204517**	10
UC-TMF 5 (see page 482)			
ZBF 5 (see page 492)			




STTB 4 ...

Ex: KEMA
KEMA 00ATEX2129U / IECEx KEM 06.0050U

Width	Length	Height NS 35/7,5	
6.2	**83.5**	**47.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
32	**500**	**0.08 - 6**	**28 - 10**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	600	300	440
30 / 4	30 / -	30 / -	26.5 / 4 // 30 / 6
4	-	-	4
28 - 10	28-10	28-10	28 - 10
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4 0.5 - 1
10			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
STTB 4		**3031429**	50
STTB 4 BU		**3031432**	50
STTB 4-PV		**3031542**	50
D-STTB 4		**3030462**	50
ISH 4/0,5		**3002885**	50
ISH 4/1,0		**3002898**	50
FBS 2-6	26 A	**3030336**	50
FBS 3-6	26 A	**3030242**	50
FBS 4-6	26 A	**3030255**	50
FBS 5-6	26 A	**3030349**	50
FBS 10-6	26 A	**3030271**	10
FBS 20-6	26 A	**3030365**	10
ATP-STTB 4		**3030747**	50
PAI-4		**3030925**	10
PS-6		**3030996**	10
STP 5-2		**0800967**	100
WST 4		**3030954**	50
SZF 1-0,6X3,5		**1204517**	10
UC-TMF 6 (see page 483)			
ZBF 6 (see page 493)			

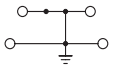
Multi-level ground terminal blocks
STTB ...-PE

The STTB ...-PE terminal blocks with the same shape as the STTB ... terminal blocks round off the range of ground terminal blocks.

Correct mechanical and electrical contacting is guaranteed by simply snapping the terminal block onto the rail.

The STTB ...-PE ground terminal blocks fulfill all requirements of IEC 60947-7-2. These are in particular:

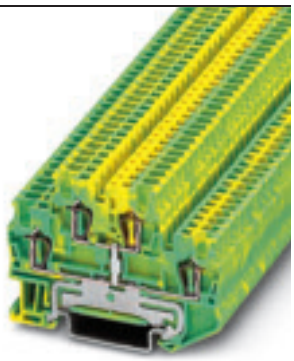
– Low contact resistances
– Corrosion-proof terminal points
– Green-yellow housing
– Additional options for marking



Current carrying capacity of DIN rails, see page 728.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) For information on installation for using accessories for Ex e applications, see page 720.



STTB 1,5-PE

Ex: KEMA

KEMA 01ATEX2129 U / IECEx KEM 06.0043U

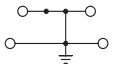
Dimensions		Width	Length	Height NS 35/7,5
	[mm]	**4.2**	**67.5**	**47.5**
Max. electrical data				Max. Ø [mm²] / AWG
				0.08 - 1.5 / 28 - 16
Rated data		IEC 60947-7-2 IEC	UL / CUL	CSA / IEC/ EN 60079-7
Rated voltage	[V]	-	-	- / -
Nominal current / cross-section	[A] / [mm²]	- / -	- / -	- / - / 1.5
Rated cross-section	[mm²]	1.5	-	- / 1.5
Cross-section range	AWG	28 - 16	26-14	26-14 / 28 - 16
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve
One conductor	[mm²]	0.08 - 1.5	0.08 - 1.5	0.14 - 1.5 / 0.14 - 1.5
Two stranded conductors with a TWIN ferrule	[mm²]			0.5
General data				
Stripping length	[mm]	10		
Insulating material		PA		
Inflammability class acc. to UL 94		V0		

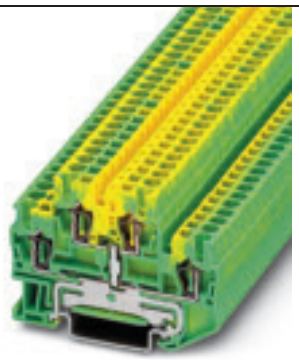
Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.
Spring-cage ground terminal block, for mounting on NS 35...		Green-yellow	**STTB 1,5-PE**	**3036013**	50

Accessories[1])

Cover, width 2.2 mm		Gray	**D-STTB 2,5**	**3030459**	50
Insulation stop sleeve, cross-section range:					
0.25 - 0.5 mm²		White	**ISH 1,5/0,2**	**3206131**	50
0.75 - 1 mm²		Gray	**ISH 1,5/0,5**	**3031034**	50
0.75 - 1 mm²		Black			
Plug-in bridge for cross connections in the bridge shaft					
	2	Red	**FBS 2-4**	**3030116**	50
	3	Red	**FBS 3-4**	**3030129**	50
	4	Red	**FBS 4-4**	**3030132**	50
	5	Red	**FBS 5-4**	**3030145**	50
	10	Red	**FBS 10-4**	**3030158**	10
	20	Red	**FBS 20-4**	**3030352**	10
Partition plate, for visual and electrical separation of terminal groups, 2 mm thick		Gray	**ATP-STTB 4**	**3030747**	50
Test adapter, for 4 mm Ø PS test plug and 4 mm safety test plug, makes contact in the bridge shaft		Gray	**PAI-4**	**3030925**	10
Modular test plug, for the individual assembly of test plug strips		Red	**PS-4**	**3030970**	10
Double marker carrier, can be snapped into the double-level terminal blocks STTB 1,5, can be labeled with UC-TM 4, ZB 4 or UC-TMF 4, ZBF 4		Gray	**STP 4-2**	**0810575**	100
Warning cover, for actuation shafts, 5-pos.		Yellow	**WST 1,5**	**3030958**	50
Screwdriver			**SZF 0-0,4X2,5**	**1204504**	10
UniCard sheet, flat, for labeling the lateral groove			**UC-TMF 4 (see page 482)**		
Zack marker strip, flat, for labeling the lateral groove			**ZBF 4 (see page 492)**		





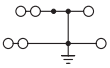
STTB 2,5-PE

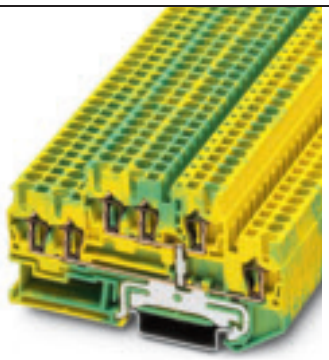
Ex: KEMA

KEMA 00ATEX2052U / IECEx KEM 06.0051U

Width	Length	Height NS 35/7,5	
5.2	**67.5**	**47.5**	
		Max. Ø [mm²]	AWG
		0.08 - 4	**28 - 12**
IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	- / 2.5
2.5	-	-	2.5
28 - 12	28-12	28-12	28 - 12
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
10			
PA			
V0			

Type	Order No.	Pcs. / Pkt.
STTB 2,5-PE	**3036026**	50
D-STTB 2,5	**3030459**	50
ISH 2,5/0,2	**3002843**	50
ISH 2,5/0,5	**3002856**	50
ISH 2,5/1,0	**3002869**	50
FBS 2-5	**3030161**	50
FBS 3-5	**3030174**	50
FBS 4-5	**3030187**	50
FBS 5-5	**3030190**	50
FBS 10-5	**3030213**	10
FBS 20-5	**3030226**	10
ATP-STTB 4	**3030747**	50
PAI-4	**3030925**	10
PS-5	**3030983**	10
STP 5-2	**0800967**	100
WST 2,5	**3030941**	50
SZF 1-0,6X3,5	**1204517**	10
UC-TMF 5 (see page 482)		
ZBF 5 (see page 492)		

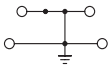


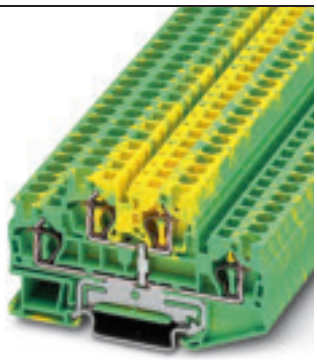


STTB 2,5-TWIN-PE

Width	Length	Height NS 35/7,5	
5.2	**91.5**	**47.5**	
		Max. Ø [mm²]	AWG
		0.08 - 4	**28 - 12**
IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	-
2.5	-	-	-
28 - 12	28-12	28-12	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
10			
PA			
V0			

Type	Order No.	Pcs. / Pkt.
STTB 2,5-TWIN-PE	**3038532**	50
D-STTB 2,5-TWIN	**3038558**	50
ISH 2,5/0,2	**3002843**	50
ISH 2,5/0,5	**3002856**	50
ISH 2,5/1,0	**3002869**	50
FBS 2-5	**3030161**	50
FBS 3-5	**3030174**	50
FBS 4-5	**3030187**	50
FBS 5-5	**3030190**	50
FBS 10-5	**3030213**	10
FBS 20-5	**3030226**	10
ATP-STTB 4	**3030747**	50
PAI-4	**3030925**	10
PS-5	**3030983**	10
STP 5-2	**0800967**	100
WST 2,5	**3030941**	50
SZF 1-0,6X3,5	**1204517**	10
UC-TMF 5 (see page 482)		
ZBF 5 (see page 492)		





STTB 4-PE

Ex: KEMA

KEMA 00ATEX2129U / IECEx KEM 06.0050U

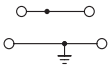
Width	Length	Height NS 35/7,5	
6.2	**83.5**	**47.5**	
		Max. Ø [mm²]	AWG
		0.08 - 6	**28 - 10**
IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	- / 4
4	-	-	4
28 - 10	28-10	28-10	28 - 10
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4 0.5 - 1
10			
PA			
V0			

Type	Order No.	Pcs. / Pkt.
STTB 4-PE	**3036039**	50
D-STTB 4	**3030462**	50
ISH 4/0,5	**3002885**	50
ISH 4/1,0	**3002898**	50
FBS 2-6	**3030336**	50
FBS 3-6	**3030242**	50
FBS 4-6	**3030255**	50
FBS 5-6	**3030349**	50
FBS 10-6	**3030271**	10
FBS 20-6	**3030365**	10
ATP-STTB 4	**3030747**	50
PAI-4	**3030925**	10
PS-6	**3030996**	10
STP 5-2	**0800967**	100
WST 4	**3030954**	50
SZF 1-0,6X3,5	**1204517**	10
UC-TMF 6 (see page 483)		
ZBF 6 (see page 493)		

Multi-level terminal blocks STTB ...



These hybrid variants were created by combining double-level feed-through terminal blocks and ground terminal blocks of the same shape. Types PE/L- and PE/N- provide ground conductor contact with the DIN rail in the lower level. The upper level is designed as a feed-through level. The color coding of the PE and N levels makes clear and unambiguous potential distribution possible.



Current carrying capacity of DIN rails, see page 728.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



STTB 2,5-PE/L

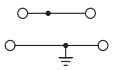
Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		5.2	**67.5**	**47.5**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²] / AWG
		32	**500**	**0.08 - 4 / 28 - 12**
Rated data		IEC 60947-7-1 / IEC 60947-7-2		
		IEC	UL / CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	500	300	300 / -
Nominal current / cross-section	[A] / [mm²]	22 / 2.5	20 / -	20 / -
Rated cross-section	[mm²]	2.5	-	- / -
Cross-section range	AWG	28 - 12	28-12	28-12 / -
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve
One conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5 / 0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]			0.5
General data				
Stripping length	[mm]	10		
Insulating material		PA		
Inflammability class acc. to UL 94		V0		

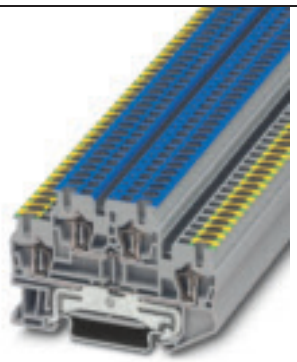
Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Spring-cage terminal block, for mounting on NS 35...		Gray	**STTB 2,5-PE/L**		**3036314**	50

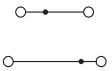
Accessories

Cover, width 2.2 mm		Gray	**D-STTB 2,5**		**3030459**	50
Insulation stop sleeve, cross-section range:						
0.08 - 0.2 mm²		White	**ISH 2,5/0,2**		**3002843**	50
0.25 - 0.5 mm²		Gray	**ISH 2,5/0,5**		**3002856**	50
0.75 - 1 mm²		Black	**ISH 2,5/1,0**		**3002869**	50
Plug-in bridge for cross connections in the bridge shaft						
	2	Red	**FBS 2-5**	20 A	**3030161**	50
	3	Red	**FBS 3-5**	20 A	**3030174**	50
	4	Red	**FBS 4-5**	20 A	**3030187**	50
	5	Red	**FBS 5-5**	20 A	**3030190**	50
	10	Red	**FBS 10-5**	20 A	**3030213**	10
	20	Red	**FBS 20-5**	20 A	**3030226**	10
Partition plate, for visual and electrical separation of terminal groups, 2 mm thick		Gray	**ATP-STTB 4**		**3030747**	50
Test adapter, for 4 mm Ø PS test plug and 4 mm safety test plug, makes contact in the bridge shaft		Gray	**PAI-4**		**3030925**	10
Modular test plug, for the individual assembly of test plug strips		Red	**PS-5**		**3030983**	10
Double marker carrier, can be snapped into the double-level terminal blocks STTB 2,5, PITTB 2,5 can be labeled with UC-TM 5, ZB 5 or UC-TMF 5, ZBF 5		Gray	**STP 5-2**		**0800967**	100
Warning cover, for actuation shafts, 5-pos.		Yellow	**WST 2,5**		**3030941**	50
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10
UniCard sheet, flat, for labeling the lateral groove			**UC-TMF 5 (see page 482)**			
Zack marker strip, flat, for labeling the lateral groove			**ZBF 5 (see page 492)**			





STTB 2,5-PE/N





STTB 2,5-L/N

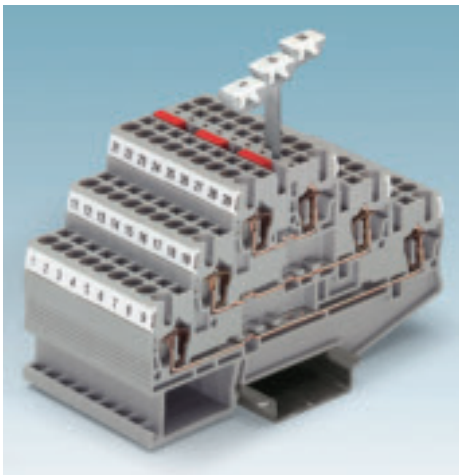
Width	Length	Height NS 35/7,5	
5.2	**67.5**	**47.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
32	**500**	**0.08 - 4**	**28 - 12**
IEC 60947-7-1 / IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	300	300	-
22 / 2.5	20 / -	20 / -	-
2.5	-	-	-
28 - 12	28-12	28-12	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
10			
PA			
V0			

Width	Length	Height NS 35/7,5	
5.2	**67.5**	**47.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
26	**500**	**0.08 - 4**	**28 - 12**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	300	300	-
22 / 2.5	20 / -	20 / -	-
2.5	-	-	-
28 - 12	28-12	28-12	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
10			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
STTB 2,5-PE/N		**3036327**	50
D-STTB 2,5		**3030459**	50
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	20 A	**3030161**	50
FBS 3-5	20 A	**3030174**	50
FBS 4-5	20 A	**3030187**	50
FBS 5-5	20 A	**3030190**	50
FBS 10-5	20 A	**3030213**	10
FBS 20-5	20 A	**3030226**	10
ATP-STTB 4		**3030747**	50
PAI-4		**3030925**	10
PS-5		**3030983**	10
STP 5-2		**0800967**	100
WST 2,5		**3030941**	50
SZF 1-0,6X3,5		**1204517**	10
UC-TMF 5 (see page 482)			
ZBF 5 (see page 492)			

Type	I_{max}	Order No.	Pcs. / Pkt.
STTB 2,5-L/N		**3036330**	50
D-STTB 2,5		**3030459**	50
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	20 A	**3030161**	50
FBS 3-5	20 A	**3030174**	50
FBS 4-5	20 A	**3030187**	50
FBS 5-5	20 A	**3030190**	50
FBS 10-5	20 A	**3030213**	10
FBS 20-5	20 A	**3030226**	10
ATP-STTB 4		**3030747**	50
PAI-4		**3030925**	10
PS-5		**3030983**	10
STP 5-2		**0800967**	100
WST 2,5		**3030941**	50
SZF 1-0,6X3,5		**1204517**	10
UC-TMF 5 (see page 482)			
ZBF 5 (see page 492)			

Multi-level terminal blocks ST ...





Current carrying capacity of DIN rails, see page 728.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) The max. load current must not be exceeded by the total current of all connected conductors.



ST 2,5-3L ...

The three-level spring-cage terminal block has three feed-through levels in a 5 mm wide terminal housing. It offers high wiring density, which is especially important when switchgear space is restricted.

With one bridge shaft on each level, this modular terminal block can be used as a compact potential distributor or as a sensor terminal, for example.

All six terminal points are interconnected in the variant ST 2,5-3PV. This potential distributor is identified by an imprint on the terminal housing.

The three-level terminal block range is rounded off by a ground terminal of the same shape.

The three-level terminal blocks can be labeled on each level. Large-surface labeling of the three levels is also possible using the three-way marker carrier STP 5-3.

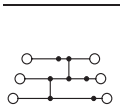
Dimensions				
	Width	Length	Height NS 35/7,5	
[mm]	**5.2**	**99.5**	**58**	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
	28	**500**	**0.08 - 4**	**28 - 12**
Rated data	IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	500	600	300	-
Nominal current / cross-section [A] / [mm²]	20 / 2.5	20 / -	20 / -	-
Rated cross-section [mm²]	2.5	-	-	-
Cross-section range AWG	28 - 12	28-12	28-12	-
Connection capacity	Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor [mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule [mm²]				0.5
General data				
Stripping length [mm]	10			
Insulating material	PA			
Inflammability class acc. to UL 94	V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Spring-cage terminal block, for mounting on NS 35...		Gray	**ST 2,5-3L**		**3036042**	50
		Blue	**ST 2,5-3L BU**		**3038710**	50
Spring-cage terminal block, with potential distribution between the levels, for mounting on NS 35...		Gray				
Spring-cage ground terminal block, for mounting on NS 35...		Green-yellow				
Spring-cage terminal block, with light indicator for 12-30 V DC, 0.7-2.4 mA		Gray				

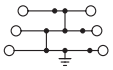
Accessories

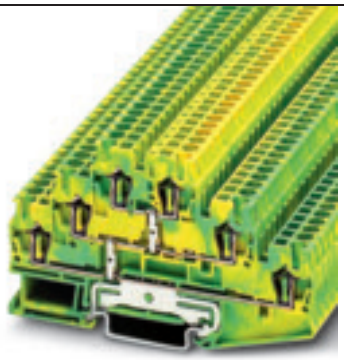
Cover, width 2.2 mm		Gray	**D-ST 2,5-3L**		**3036660**	50
Insulation stop sleeve, cross-section range:						
0.08 - 0.2 mm²		White	**ISH 2,5/0,2**		**3002843**	50
0.25 - 0.5 mm²		Gray	**ISH 2,5/0,5**		**3002856**	50
0.75 - 1 mm²		Black	**ISH 2,5/1,0**		**3002869**	50
Plug-in bridge for cross connections in the bridge shaft						
	2	Red	**FBS 2-5**	20 A	**3030161**	50
	3	Red	**FBS 3-5**	20 A	**3030174**	50
	4	Red	**FBS 4-5**	20 A	**3030187**	50
	5	Red	**FBS 5-5**	20 A	**3030190**	50
	10	Red	**FBS 10-5**	20 A	**3030213**	10
	20	Red	**FBS 20-5**	20 A	**3030226**	10
Test adapter, for 4 mm Ø PS test plug and 4 mm safety test plug, makes contact in the bridge shaft		Gray	**PAI-4**		**3030925**	10
Modular test plug, for the individual assembly of test plug strips		Red	**PS-5**		**3030983**	10
Three-compartment marker carrier, can be snapped into the three-level terminal block ST 2,5-3..., PIT 2,5-3... can be labeled with UC-TM 5 or ZBF 5		Gray	**STP 5-3**		**0810562**	100
Warning cover, for actuation shafts, 5-pos.		Yellow	**WST 2,5**		**3030941**	50
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10
UniCard sheet, flat, for labeling the lateral groove			**UC-TMF 5 (see page 482)**			
Zack marker strip, flat, for labeling the lateral groove			**ZBF 5 (see page 492)**			





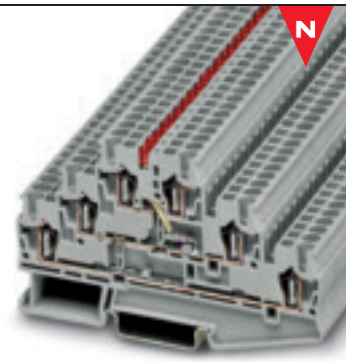
ST 2,5-3PV





ST 2,5-3PE





ST 2,5-3L-LA 24RD/O-M

With light indicator

Width	Length	Height NS 35/7,5	
5.2	**99.5**	**58**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
28[1])	**500**	**0.08 - 4**	**28 - 12**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	600	300	-
20[1]) / 2.5	20 / -	20 / -	-
2.5	-	-	-
28 - 12	28-12	28-12	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
10			
PA			
V0			

Width	Length	Height NS 35/7,5	
5.2	**99.5**	**58**	
		Max. Ø [mm²]	AWG
		0.08 - 4	**28 - 12**
IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	-
2.5	-	-	-
28 - 12	28-12	28-12	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
10			
PA			
V0			

Width	Length	Height NS 35/7,5	
5.2	**99.5**	**58**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
28	**24**	**0.08 - 4**	**28 - 12**
IEC	UL / CUL	CSA	IEC/ EN 60079-7
24	-	-	-
20 / 2.5	- / -	- / -	-
2.5	-	-	-
28 - 12	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
10			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
ST 2,5-3PV		**3036068**	50
D-ST 2,5-3L		**3036660**	50
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	20 A	**3030161**	50
FBS 3-5	20 A	**3030174**	50
FBS 4-5	20 A	**3030187**	50
FBS 5-5	20 A	**3030190**	50
FBS 10-5	20 A	**3030213**	10
FBS 20-5	20 A	**3030226**	10
PAI-4		**3030925**	10
PS-5		**3030983**	10
STP 5-3		**0810562**	100
WST 2,5		**3030941**	50
SZF 1-0,6X3,5		**1204517**	10
UC-TMF 5 (see page 482)			
ZBF 5 (see page 492)			

Type	Order No.	Pcs. / Pkt.
ST 2,5-3PE	**3036071**	50
D-ST 2,5-3L	**3036660**	50
ISH 2,5/0,2	**3002843**	50
ISH 2,5/0,5	**3002856**	50
ISH 2,5/1,0	**3002869**	50
FBS 2-5	**3030161**	50
FBS 3-5	**3030174**	50
FBS 4-5	**3030187**	50
FBS 5-5	**3030190**	50
FBS 10-5	**3030213**	10
FBS 20-5	**3030226**	10
PAI-4	**3030925**	10
PS-5	**3030983**	10
STP 5-3	**0810562**	100
WST 2,5	**3030941**	50
SZF 1-0,6X3,5	**1204517**	10
UC-TMF 5 (see page 482)		
ZBF 5 (see page 492)		

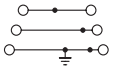
Type	I_{max}	Order No.	Pcs. / Pkt.
ST 2,5-3L-LA 24RD/O-M		**3035580**	50
D-ST 2,5-3L		**3036660**	50
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	20 A	**3030161**	50
FBS 3-5	20 A	**3030174**	50
FBS 4-5	20 A	**3030187**	50
FBS 5-5	20 A	**3030190**	50
FBS 10-5	20 A	**3030213**	10
FBS 20-5	20 A	**3030226**	10
PAI-4		**3030925**	10
PS-5		**3030983**	10
STP 5-3		**0810562**	100
WST 2,5		**3030941**	50
SZF 1-0,6X3,5		**1204517**	10
UC-TMF 5 (see page 482)			
ZBF 5 (see page 492)			

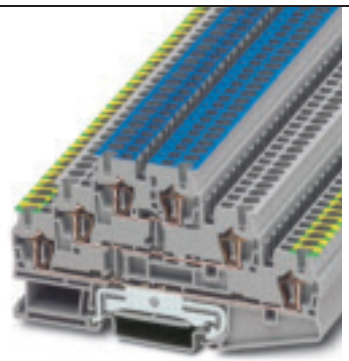
Multi-level terminal blocks ST ...

These three-level terminal block variants have a PE contact to the DIN rail in the lower level and two feed-through levels. All the terminal points can be labeled. There is a bridge shaft for potential distribution on each level.

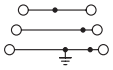
Current carrying capacity of DIN rails, see page 728.

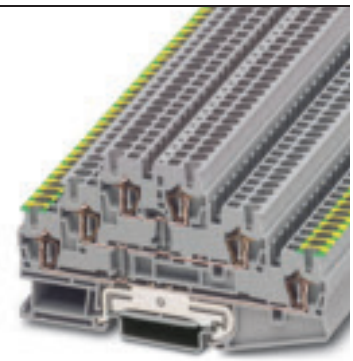
For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.





ST 2,5-PE/L/N





ST 2,5-PE/L/L

Dimensions		Width	Length	Height NS 35/7,5		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**99.5**	**58**		**5.2**	**99.5**	**58**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG	$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		28	**500**	**0.08 - 4**	**28 - 12**	**28**	**500**	**0.08 - 4**	**28 - 12**
Rated data		IEC 60947-7-1 / IEC 60947-7-2				IEC 60947-7-1 / IEC 60947-7-2			
		IEC	UL / CUL	CSA	IEC/ EN 60079-7	IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	600	300	-	500	600	300	-
Nominal current / cross-section	[A] / [mm²]	24 / 2.5	20 / -	20 / -	-	24 / 2.5	20 / -	20 / -	-
Rated cross-section	[mm²]	2.5	-	-	-	2.5	-	-	-
Cross-section range	AWG	28 - 12	28-12	28-12	-	28 - 12	28-12	28-12	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]				0.5				0.5
General data									
Stripping length	[mm]	10				10			
Insulating material		PA				PA			
Inflammability class acc. to UL 94		V0				V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.	Type	I_{max}	Order No.	Pcs. / Pkt.
Spring-cage terminal block, for mounting on NS 35...		Gray	**ST 2,5-PE/L/N**		**3036084**	50	**ST 2,5-PE/L/L**		**3036097**	50

Accessories

Cover, width 2.2 mm		Gray	**D-ST 2,5-3L**		**3036660**	50	**D-ST 2,5-3L**		**3036660**	50
Insulation stop sleeve, cross-section range:										
0.08 - 0.2 mm²		White	**ISH 2,5/0,2**		**3002843**	50	**ISH 2,5/0,2**		**3002843**	50
0.25 - 0.5 mm²		Gray	**ISH 2,5/0,5**		**3002856**	50	**ISH 2,5/0,5**		**3002856**	50
0.75 - 1 mm²		Black	**ISH 2,5/1,0**		**3002869**	50	**ISH 2,5/1,0**		**3002869**	50
Plug-in bridge for cross connections in the bridge shaft										
	2	Red	**FBS 2-5**	22 A	**3030161**	50	**FBS 2-5**	22 A	**3030161**	50
	3	Red	**FBS 3-5**	22 A	**3030174**	50	**FBS 3-5**	22 A	**3030174**	50
	4	Red	**FBS 4-5**	22 A	**3030187**	50	**FBS 4-5**	22 A	**3030187**	50
	5	Red	**FBS 5-5**	22 A	**3030190**	50	**FBS 5-5**	22 A	**3030190**	50
	10	Red	**FBS 10-5**	22 A	**3030213**	10	**FBS 10-5**	22 A	**3030213**	10
	20	Red	**FBS 20-5**	22 A	**3030226**	10	**FBS 20-5**	22 A	**3030226**	10
Test adapter, for 4 mm Ø PS test plug and 4 mm safety test plug, makes contact in the bridge shaft		Gray	**PAI-4**		**3030925**	10	**PAI-4**		**3030925**	10
Test plug, consisting of: metal part for 2.3 mm Ø socket hole and			**MPS-MT**		**0201744**	10	**MPS-MT**		**0201744**	10
insulating sleeve for MPS metal part		Red	**MPS-IH RD**		**0201676**	10	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		Red	**PS-5**		**3030983**	10	**PS-5**		**3030983**	10
Three-compartment marker carrier, can be snapped into the three-level terminal block ST 2,5-3..., PIT 2,5-3... can be labeled with UC-TM 5 or ZBF 5		Gray	**STP 5-3**		**0810562**	100	**STP 5-3**		**0810562**	100
Warning cover, for actuation shafts, 5-pos.		Yellow	**WST 2,5**		**3030941**	50	**WST 2,5**		**3030941**	50
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10	**SZF 1-0,6X3,5**		**1204517**	10
UniCard sheet, flat, for labeling the lateral groove			**UC-TMF 5 (see page 482)**				**UC-TMF 5 (see page 482)**			
Zack marker strip, flat, for labeling the lateral groove			**ZBF 5 (see page 492)**				**ZBF 5 (see page 492)**			

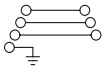
Multi-level terminal blocks ST ...

The four-level terminal blocks ST 2,5-PE/3L and ST 4-PE/3L are especially suited for the compact wiring of three-phase loads. They have three feed-through levels and one PE connection which makes contact by simply snapping onto the DIN rail.

Each terminal point can be labeled and features a testing option for 2.3 mm Ø test plugs.

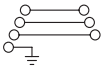
Current carrying capacity of DIN rails, see page 728.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.





ST 2,5-PE/3L





ST 4-PE/3L

Dimensions		Width	Length	Height NS 35/7,5		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**98.5**	**73.5**		**6.2**	**101**	**83.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG	$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		26	**800**	**0.08 - 4**	**28 - 12**	**32**	**800**	**0.08 - 6**	**28 - 10**
Rated data		IEC 60947-7-1 / IEC 60947-7-2				IEC 60947-7-1 / IEC 60947-7-2			
		IEC	UL / CUL	CSA	IEC/ EN 60079-7	IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	800	600	600	-	800	600	600	-
Nominal current / cross-section	[A] / [mm²]	20 / 2.5	20 / -	20 / -	-	28 / 4	30 / -	30 / -	-
Rated cross-section	[mm²]	2.5	-	-	-	4	-	-	-
Cross-section range	AWG	28 - 12	28-12	28-12	-	28 - 10	28-10	28-10	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5	0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4
Two stranded conductors with a TWIN ferrule	[mm²]				0.5				0.5 - 1
General data									
Stripping length	[mm]	10				10			
Insulating material		PA				PA			
Inflammability class acc. to UL 94		V0				V0			

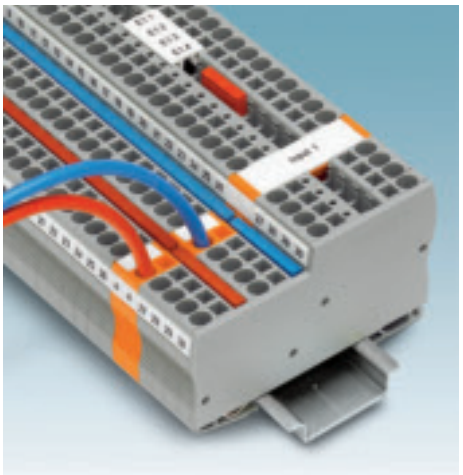
Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Spring-cage terminal block, for mounting on NS 35...	Gray	**ST 2,5-PE/3L**	**3036055**	50	**ST 4-PE/3L**	**3038338**	50

Accessories

Cover, width 2.2 mm	Gray	**D-ST 2,5-PE/3L**	**3036673**	50			
Test plug, consisting of: metal part for 2.3 mm Ø socket hole and		**MPS-MT**	**0201744**	10	**MPS-MT**	**0201744**	10
insulating sleeve for MPS metal part	Red	**MPS-IH RD**	**0201676**	10	**MPS-IH RD**	**0201676**	10
Screwdriver		**SZF 1-0,6X3,5**	**1204517**	10	**SZF 1-0,6X3,5**	**1204517**	10
UniCard sheet, for labeling the center groove		**UC-TM 5 (see page 479)**			**UC-TM 6 (see page 479)**		
UniCard sheet, flat, for labeling the center and lateral grooves		**UC-TMF 5 (see page 482)**			**UC-TMF 6 (see page 483)**		
Zack markers, for labeling the center groove		**ZB 5 (see page 487)**			**ZB 6 (see page 487)**		
Zack marker strip, flat, for labeling the center and lateral grooves		**ZBF 5 (see page 492)**			**ZBF 6 (see page 493)**		

Multi-conductor initiator / actuator terminal block STIO 2,5/3...



Three-conductor initiators or actuators can be wired with the STIO 2,5/3... range, thus saving space and time. The upper level is for signal wiring, whereas the two lower levels are for distributing the positive and negative potential.

STIO-IN ... power terminals can be set at any desired point of the terminal strip for supply or extension and are used for potential supply.

Standard plug-in bridges from the CLIPLINE complete system are used for potential distribution. The three-conductor output terminal block of the same shape has a PE connection instead of the positive terminal point in the lower level for actuator wiring, for example.

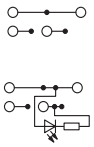
Variants with a light indicator for signaling the switching states are available as an option.

Current carrying capacity of DIN rails, see page 728.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

For further color variants of the plug-in bridge see page 331.

[1]) In the case of central power feed.





STIO 2,5/3-2B/L ...

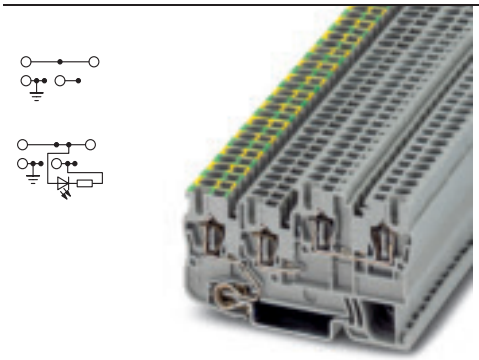
Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**75**	**44.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		18	**250**	**0.08 - 4**	**28 - 12**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	250	300	-	-
Nominal current / cross-section	[A] / [mm²]	18 / 2.5	18 / -	- / -	-
Rated cross-section	[mm²]	2.5	-	-	-
Cross-section range	AWG	28 - 12	28-12	-	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]				0.5
General data					
Stripping length	[mm]	10			
Insulating material		PA			
Inflammability class acc. to UL 94		V0			

Ordering data

Description	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...	Gray	**STIO 2,5/3-2B/L**		**3209015**	50
With red light indicator for 15-30 V DC, 1-2.5 mA, LED between the upper and the lower levels	Gray	**STIO 2,5/3-2B/L-LA24RD/O-M**		**3209028**	50
With green light indicator for 15-30 V DC, 1-2.5 mA, LED between the upper and the lower levels	Gray	**STIO 2,5/3-2B/L-LA24GN/O-M**		**3209031**	50
Terminal block, with PE connection, for mounting on NS 35...	Gray				
With red light indicator for 15-30 V DC, 1-2.5 mA, LED between the upper and the lower levels	Gray				
With green light indicator for 15-30 V DC, 1-2.5 mA, LED between the upper and the lower levels	Gray				
Power terminal block	Orange				
Power terminal block, with PE connection	Orange				

Accessories

Cover, width 2.2 mm	Gray	**D-STIO 2,5/3**		**3209112**	50
Insulation stop sleeve, cross-section range:					
0.08 - 0.2 mm²	White	**ISH 2,5/0,2**		**3002843**	50
0.25 - 0.5 mm²	Gray	**ISH 2,5/0,5**		**3002856**	50
0.75 - 1 mm²	Black	**ISH 2,5/1,0**		**3002869**	50
Plug-in bridge for cross connections in the bridge shaft					
2	Red	**FBS 2-5**	20 A	**3030161**	50
3	Red	**FBS 3-5**	20 A	**3030174**	50
4	Red	**FBS 4-5**	20 A	**3030187**	50
5	Red	**FBS 5-5**	20 A	**3030190**	50
10	Red	**FBS 10-5**	20 A	**3030213**	10
20	Red	**FBS 20-5**	20 A	**3030226**	10
50	Red	**FBS 50-5**	20 A	**3038930**	10
Modular test plug, for the individual assembly of test plug strips	Red	**PS-5**		**3030983**	10
UniCard sheet, for labeling the center groove		**UC-TM 5 (see page 479)**			
UniCard sheet, flat, for labeling the center and lateral grooves		**UC-TMF 5 (see page 482)**			
Zack markers, for labeling the center groove		**ZB 5 (see page 487)**			
Zack marker strip, flat, for labeling the center and lateral grooves		**ZBF 5 (see page 492)**			



STIO 2,5/3-PE/B/L ...

Width	Length	Height NS 35/7,5	
5.2	**75**	**44.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
18	**250**	**0.08 - 4**	**28 - 12**
IEC 60947-7-1 / IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
250	300	-	-
18 / 2.5	18 / -	- / -	-
2.5	-	-	-
28 - 12	28-12	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
10			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
STIO 2,5/3-PE/B/L		**3209044**	50
STIO 2,5/3-PE/B/L-LA24RD/O-M		**3209138**	50
STIO 2,5/3-PE/B/L-LA24GN/O-M		**3209141**	50
D-STIO 2,5/3		**3209112**	50
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	20 A	**3030161**	50
FBS 3-5	20 A	**3030174**	50
FBS 4-5	20 A	**3030187**	50
FBS 5-5	20 A	**3030190**	50
FBS 10-5	20 A	**3030213**	10
FBS 20-5	20 A	**3030226**	10
FBS 50-5	20 A	**3038930**	10
PS-5		**3030983**	10
UC-TM 5 (see page 479)			
UC-TMF 5 (see page 482)			
ZB 5 (see page 487)			
ZBF 5 (see page 492)			



STIO-IN 2,5/3

Width	Length	Height NS 35/7,5	
10.4	**75**	**44.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
30[1])	**250**	**0.08 - 4**	**28 - 12**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
250	300	-	-
18 / 2.5	20 / -	- / -	-
2.5	-	-	-
28 - 12	28-12	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
10			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
STIO-IN 2,5/3 OG		**3209196**	25
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	20 A	**3030161**	50
FBS 3-5	20 A	**3030174**	50
FBS 4-5	20 A	**3030187**	50
FBS 5-5	20 A	**3030190**	50
FBS 10-5	20 A	**3030213**	10
FBS 20-5	20 A	**3030226**	10
FBS 50-5	20 A	**3038930**	10
PS-5		**3030983**	10
UC-TM 5 (see page 479)			
UC-TMF 5 (see page 482)			
ZB 5 (see page 487)			
ZBF 5 (see page 492)			

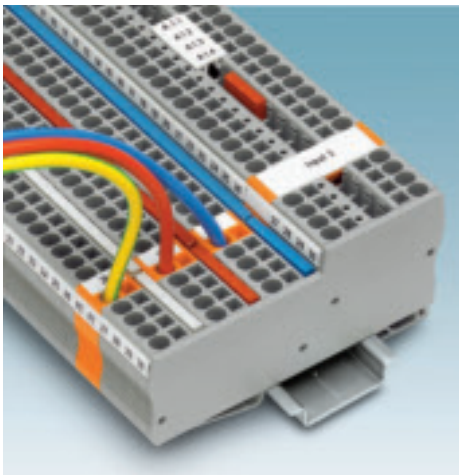


STIO-IN 2,5/3-PE

Width	Length	Height NS 35/7,5	
10.4	**75**	**44.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
30[1])	**250**	**0.08 - 4**	**28 - 12**
IEC 60947-7-1 / IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
250	300	-	-
18 / 2.5	20 / -	- / -	-
2.5	-	-	-
28 - 12	28-12	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
10			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
STIO-IN 2,5/3-PE OG		**3209086**	25
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	20 A	**3030161**	50
FBS 3-5	20 A	**3030174**	50
FBS 4-5	20 A	**3030187**	50
FBS 5-5	20 A	**3030190**	50
FBS 10-5	20 A	**3030213**	10
FBS 20-5	20 A	**3030226**	10
FBS 50-5	20 A	**3038930**	10
PS-5		**3030983**	10
UC-TM 5 (see page 479)			
UC-TMF 5 (see page 482)			
ZB 5 (see page 487)			
ZBF 5 (see page 492)			

Multi-conductor initiator / actuator terminal block STIO 2,5/4...

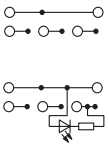


Current carrying capacity of DIN rails, see page 728.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

For further color variants of the plug-in bridge see page 331.

[1]) In the case of central power feed.





STIO 2,5/4-3B/L ...

The wiring of initiators or actuators having PE function can be easily realized with the STIO 2,5/4 four-conductor variants. These terminals have a protective conductor connection on the lower level next to the voltage levels. The terminals have direct contact on the DIN rail. The terminal points are clearly marked as a PE connection.

It's possible to have either-way wiring of sensors and actuators with no problem thanks to them having the same shape. The plus, minus or PE supply is fed via STIO-IN ... power terminals. Depending on the requirement, the power can be fed on the side or in the middle or existing set-ups can be extended later.

The potential is distributed laterally through the FBS plug-in bridges from the CLIPLINE complete system; individual terminal points can be easily skipped by disengaging the contact pins. The upper level is intended for signal wiring.

All variants are available with a light indicator as an option.

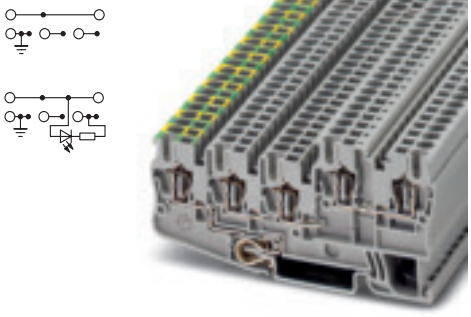
Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**92.3**	**44.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		18	**250**	**0.08 - 4**	**28 - 12**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	250	300	-	-
Nominal current / cross-section	[A] / [mm²]	18 / 2.5	18 / -	- / -	-
Rated cross-section	[mm²]	2.5	-	-	-
Cross-section range	AWG	28 - 12	28-12	-	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]				0.5
General data					
Stripping length	[mm]	10			
Insulating material		PA			
Inflammability class acc. to UL 94		V0			

Ordering data

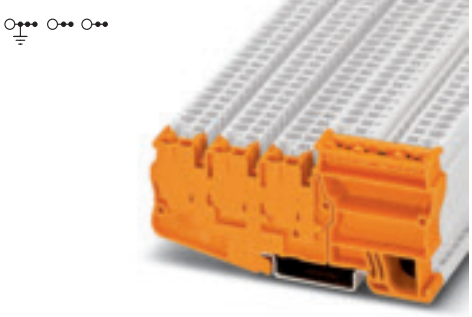
Description	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...	Gray	**STIO 2,5/4-3B/L**		**3209057**	50
With red light indicator for 15-30 V DC, 1-2.5 mA, LED between the upper and the lower levels	Gray	**STIO 2,5/4-3B/L-LA24RD/O-M**		**3209154**	50
With green light indicator for 15-30 V DC, 1-2.5 mA, LED between the upper and the lower levels	Gray	**STIO 2,5/4-3B/L-LA24GN/O-M**		**3209167**	50
Terminal block, with PE connection, for mounting on NS 35...	Gray				
With red light indicator for 15-30 V DC, 1-2.5 mA, LED between the upper and the lower levels	Gray				
With green light indicator for 15-30 V DC, 1-2.5 mA, LED between the upper and the lower levels	Gray				
Power terminal block	Orange				
Power terminal block, with PE connection	Orange				

Accessories

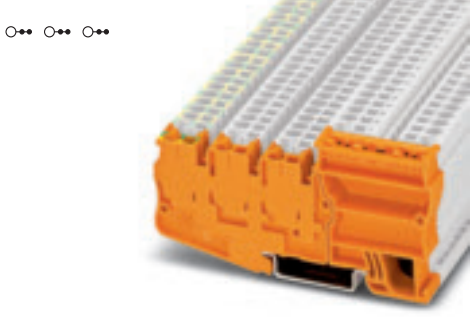
Cover, width 2.2 mm	Gray	**D-STIO 2,5/4**		**3209125**	50
Insulation stop sleeve, cross-section range:					
0.08 - 0.2 mm²	White	**ISH 2,5/0,2**		**3002843**	50
0.25 - 0.5 mm²	Gray	**ISH 2,5/0,5**		**3002856**	50
0.75 - 1 mm²	Black	**ISH 2,5/1,0**		**3002869**	50
Plug-in bridge for cross connections in the bridge shaft					
2	Red	**FBS 2-5**	20 A	**3030161**	50
3	Red	**FBS 3-5**	20 A	**3030174**	50
4	Red	**FBS 4-5**	20 A	**3030187**	50
5	Red	**FBS 5-5**	20 A	**3030190**	50
10	Red	**FBS 10-5**	20 A	**3030213**	10
20	Red	**FBS 20-5**	20 A	**3030226**	10
50	Red	**FBS 50-5**	20 A	**3038930**	10
Modular test plug, for the individual assembly of test plug strips	Red	**PS-5**		**3030983**	10
UniCard sheet, for labeling the center groove		**UC-TM 5 (see page 479)**			
UniCard sheet, flat, for labeling the center and lateral grooves		**UC-TMF 5 (see page 482)**			
Zack markers, for labeling the center groove		**ZB 5 (see page 487)**			
Zack marker strip, flat, for labeling the center and lateral grooves		**ZBF 5 (see page 492)**			



STIO 2,5/4-PE/2B/L ...



STIO-IN 2,5/4



STIO-IN 2,5/4-PE

Width	Length	Height NS 35/7,5	
5.2	**92.3**	**44.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
18	**250**	**0.08 - 4**	**28 - 12**
IEC 60947-7-1 / IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
250	300	-	-
18 / 2.5	18 / -	- / -	-
2.5	-	-	-
28 - 12	28-12	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
10			
PA			
V0			

Width	Length	Height NS 35/7,5	
10.4	**92.3**	**44.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
30[1])	**250**	**0.08 - 4**	**28 - 12**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
250	300	-	-
18 / 2.5	20 / -	- / -	-
2.5	-	-	-
28 - 12	28-12	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
10			
PA			
V0			

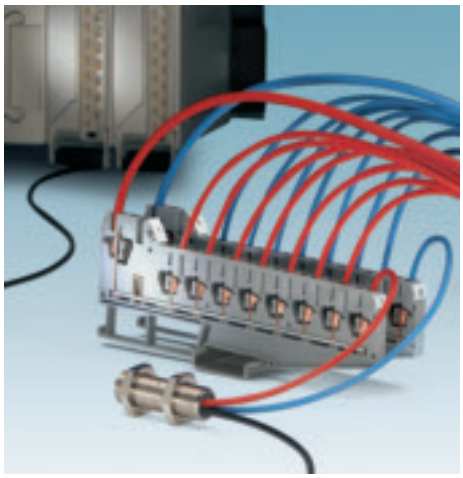
Width	Length	Height NS 35/7,5	
10.4	**92.3**	**44.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
30[1])	**250**	**0.08 - 4**	**28 - 12**
IEC 60947-7-1 / IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
250	300	-	-
18 / 2.5	20 / -	- / -	-
2.5	-	-	-
28 - 12	28-12	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
10			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
STIO 2,5/4-PE/2B/L		**3209060**	50
STIO 2,5/4-PE/2B/L-LA24RD/O-M		**3209170**	50
STIO 2,5/4-PE/2B/L-LA24GN/O-M		**3209183**	50
D-STIO 2,5/4		**3209125**	50
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	20 A	**3030161**	50
FBS 3-5	20 A	**3030174**	50
FBS 4-5	20 A	**3030187**	50
FBS 5-5	20 A	**3030190**	50
FBS 10-5	20 A	**3030213**	10
FBS 20-5	20 A	**3030226**	10
FBS 50-5	20 A	**3038930**	10
PS-5		**3030983**	10
UC-TM 5 (see page 479)			
UC-TMF 5 (see page 482)			
ZB 5 (see page 487)			
ZBF 5 (see page 492)			

Type	I_{max}	Order No.	Pcs. / Pkt.
STIO-IN 2,5/4 OG		**3209206**	25
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	20 A	**3030161**	50
FBS 3-5	20 A	**3030174**	50
FBS 4-5	20 A	**3030187**	50
FBS 5-5	20 A	**3030190**	50
FBS 10-5	20 A	**3030213**	10
FBS 20-5	20 A	**3030226**	10
FBS 50-5	20 A	**3038930**	10
PS-5		**3030983**	10
UC-TM 5 (see page 479)			
UC-TMF 5 (see page 482)			
ZB 5 (see page 487)			
ZBF 5 (see page 492)			

Type	I_{max}	Order No.	Pcs. / Pkt.
STIO-IN 2,5/4-PE OG		**3209109**	25
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	20 A	**3030161**	50
FBS 3-5	20 A	**3030174**	50
FBS 4-5	20 A	**3030187**	50
FBS 5-5	20 A	**3030190**	50
FBS 10-5	20 A	**3030213**	10
FBS 20-5	20 A	**3030226**	10
FBS 50-5	20 A	**3038930**	10
PS-5		**3030983**	10
UC-TM 5 (see page 479)			
UC-TMF 5 (see page 482)			
ZB 5 (see page 487)			
ZBF 5 (see page 492)			

Potential distributor ZPV 1,5/2,5 (8/1)



The spring-cage potential distributor makes supplying operating voltage to actuators and active initiators simple and clear.

The ZPV is particularly suitable for use in small control cabinets with compact controllers.

The supply potential is fed in via a 2.5 mm² spring-cage connection and distributed via eight 1.5 mm² connections.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) Power supply



ZPV 1,5/2,5 (8/1)

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**141**	**51**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		24[1])	**500**	**0.2 - 4**	**24 - 12**
Rated data, feed		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	300	-	-
Nominal current / cross-section	[A] / [mm²]	24 / 2.5	15 / -	- / -	- / -
Rated cross-section	[mm²]	2.5	-	-	-
Cross-section range	AWG	24 - 12	24-10	-	-
Supply connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.2 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
Rated data, distribution		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	300	-	-
Nominal current / cross-section	[A] / [mm²]	17.5 / 1.5	15 / -	- / -	- / -
Rated cross-section	[mm²]	2.5	-	-	-
Cross-section range	AWG	26 - 16	-	-	-
Distribution connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.14 - 2.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5
General data					
Stripping length	[mm]	10			
Insulating material		PA			
Inflammability class acc. to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Spring-cage potential distributor, for mounting on NS 35...		Gray	**ZPV 1,5/2,5 (8/1)**		**3031047**	50

Accessories

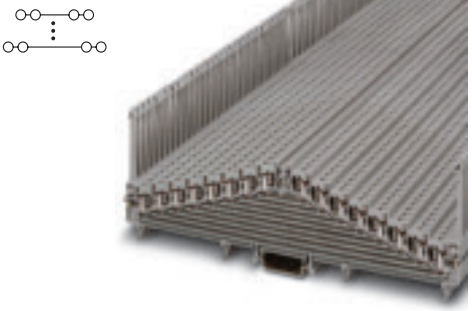
Cover, width 2.2 mm		Gray	**D-ZPV 1,5/2,5 (8/1)**		**3031050**	25
Insulation stop sleeve, cross-section range:						
0.25 - 0.5 mm²		White	**ISH 1,5/0,2**		**3206131**	50
0.75 - 1 mm²		Gray	**ISH 1,5/0,5**		**3031034**	50
Plug-in bridge for cross connections in the bridge shaft						
	2	Red	**FBS 2-5**	24 A	**3030161**	50
	3	Red	**FBS 3-5**	24 A	**3030174**	50
	4	Red	**FBS 4-5**	24 A	**3030187**	50
	5	Red	**FBS 5-5**	24 A	**3030190**	50
	10	Red	**FBS 10-5**	24 A	**3030213**	10
	20	Red	**FBS 20-5**	24 A	**3030226**	10
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10
UniCard sheet, for labeling the center groove			**UC-TM 5 (see page 479)**			
UniCard sheet, flat, for labeling the center and lateral grooves			**UC-TMF 5 (see page 482)**			
Zack markers, for labeling the center groove			**ZB 5 (see page 487)**			
Zack marker strip, flat, for labeling the center and lateral grooves			**ZBF 5 (see page 492)**			

Marshalling distributors ZRV 8 ...

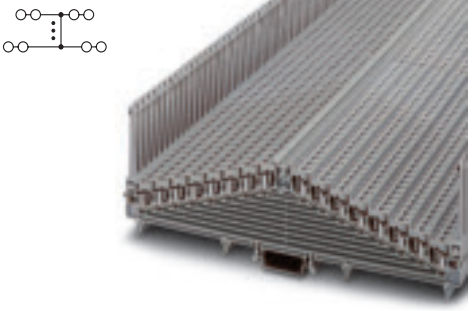
The spring-cage marshalling distributors offer the possibility of a high wiring density in restricted spaces. The integrated double connection allows 4 conductors to make contact with one potential, whereby 8 potentials are transferred with one terminal block.

The corresponding PV version makes it possible to realize potential distributions with up to 32 connections using only one terminal block.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



ZRV 8 ...



ZRV 8-PV ...

Dimensions		Width	Length	Height NS 35/7,5		Width	Length	Height NS 35/7,5	
	[mm]	**7.62**	**225**	**82**		**7.62**	**225**	**82**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG	$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		10	**250**	**0.14 - 1.5**	**26 - 16**	**17.5**	**250**	**0.14 - 1.5**	**26 - 16**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7	IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	250	-	-	-	250	-	-	-
Nominal current / cross-section	[A] / [mm²]	10 / 1	- / -	- / -	-	17.5 / 1	- / -	- / -	-
Rated cross-section	[mm²]	1	-	-	-	1	-	-	-
Cross-section range	AWG	26 - 16	-	-	-	26 - 16	-	-	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.14 - 1.5	0.14 - 1	0.14 - 0.75	0.14 - 0.75	0.14 - 1.5	0.14 - 1	0.14 - 0.75	0.14 - 0.75
General data									
Stripping length	[mm]	8				8			
Insulating material		PA				PA			
Inflammability class acc. to UL 94		V0				V0			

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Spring-cage marshalling distributor, for mounting on NS 35...	Gray	**ZRV 8**	**3025956**	10			
	Blue	**ZRV 8 BU**	**3029318**	10			
Spring-cage marshalling distributor, with equipotential bonding between the levels, for mounting on NS 35...	Gray				**ZRV 8-PV**	**3026007**	10
	Blue				**ZRV 8-PV BU**	**3029321**	10

Accessories

Connection element, 7.62 mm wide, can be labeled on each level with ZB 7,62	Gray	**D-ZRV 8**	**3024766**	10	**D-ZRV 8**	**3024766**	10
	Blue	**D-ZRV 8 BU**	**3029334**	10	**D-ZRV 8 BU**	**3029334**	10
Loop bridge, 50-pos., divisible, max. bridging distance 60 mm, 0.5 mm²							
	Blue	**DB 50- 90 BU**	**2821180**	1			
	Black	**DB 50- 90 BK**	**2820916**	1			
	Gray	**DB 50- 90 GY**	**2820929**	1			
Clamp set, for holding together RV blocks, sufficient for 80 marshalling distributors		**RV 8-SPSA**	**3193011**	1	**RV 8-SPSA**	**3193011**	1
Screwdriver		**SZF 0-0,4X2,5**	**1204504**	10	**SZF 0-0,4X2,5**	**1204504**	10
Zack markers, for labeling the center groove		**ZB 7,62 (see page 489)**			**ZB 7,62 (see page 489)**		

Lever-type fuse terminal blocks ST ...





Spring-cage fuse terminal blocks from Phoenix Contact satisfy two important requirements of electrical connection systems. Firstly, they act as carriers for fuses and secondly, they assume the task of potential distribution.

The universal ST bridge shaft makes continuous bridging possible between ST feed-through terminal blocks and ST fuse terminal blocks.

ST 4-HESI... can be used for the 5 x 20 mm and 6.3 x 32 mm fuse formats, which are standard in electrical engineering. It is also available with a light indicator for signaling a triggered fuse.

The ST 4-HEDI lever-type disconnect terminal blocks are the same shape as ST 4-HESI ... (5X20). This is why the terminal points can be labeled right through. The terminal blocks therefore allow two non-adjacent potentials to be routed next to each other. The offers the advantage of a time-saving potential infeed.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) If the fuse is faulty, the downstream circuit is not off load.

[2]) The current is determined by the fuse used, the voltage by the light indicator.

[3]) The reducing bridge table should be followed, see page 332.

[4]) The current is determined by the fuse used, the voltage by the light indicator. Observe max. power dissipation, see page 729.

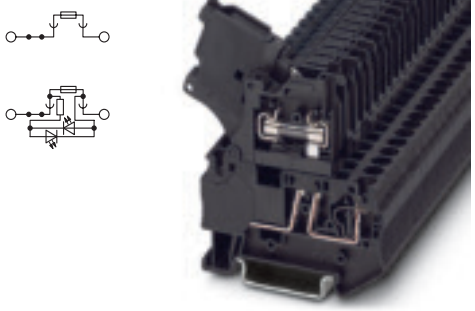
Dimensions	
	[mm]
Max. electrical data	
Rated data	
Rated voltage	[V]
Nominal current / cross-section	[A] / [mm²]
Rated cross-section	[mm²]
Cross-section range	AWG
Connection capacity	
One conductor	[mm²]
Two stranded conductors with a TWIN ferrule	[mm²]
General data	
Fuse type / dimensions	– / [mm]
Stripping length	[mm]
Insulating material	
Inflammability class acc. to UL 94	

Ordering data

Description	No. of pos.	Color
Fuse terminal block, for mounting on NS 35..., for cartridge fuse inserts 5 x 20 mm[1])		Black
With light indicator for 12-30 V AC/DC, 1-3 mA		Black
With light indicator for 30-60 V AC/DC, 0.95-2.5 mA		Black
With light indicator for 110-250 V AC/DC, 0.1-0.5 mA		Black
Fuse terminal block, for mounting on NS 35..., for cartridge fuse inserts 6.3 x 32 mm[1])		Black
With light indicator for 12-30 V AC/DC, 1-3 mA		Black
With light indicator for 110-250 V AC/DC, 0.1-0.5 mA		Black
Disconnect terminal block, same shape as ST 4-HESI (5 x 20)		Black

Accessories

Plug-in bridge for cross connections in the bridge shaft		
	2	Red
	3	Red
	4	Red
	5	Red
	10	Red
	20	Red
Reducing bridge, for connecting from ST to ST terminals[3])		
	2	Red
Partition plate, for visual and electrical separation of terminal groups, 2 mm thick		Gray
Connection pin, for coupling several fuse terminal blocks, made of plastic, 1 m long		White
Screwdriver		
UniCard sheet, for lever labeling		
UniCard sheet, flat, for labeling the lateral groove		
Zack marker strip, for lever labeling		
Zack marker strip, flat, for labeling the lateral groove		



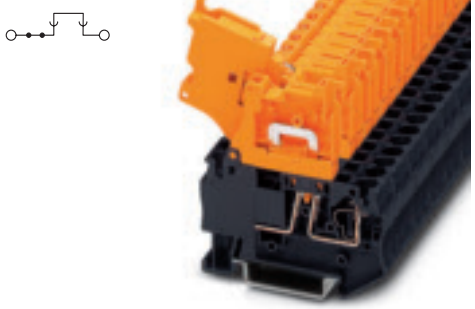
ST 4-HESI ... (5 x 20)

For G fuse inserts 5 x 20 mm

Width	Length	Height NS 35/7,5	
6.2	**61.5**	**62.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
6.3[4])	**500[2])**	**0.08 - 6**	**28 - 10**
IEC 60947-7-3			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500[2])	300	300	-
6.3[2]) / 1	10 / -	6.3 / -	-
4	-	-	-
28 - 10	28-10	28-10	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4 0.5 - 1

G / 5 x 20
10
PA
V0

Type	I_{max}	Order No.	Pcs. / Pkt.
ST 4-HESI (5X20)		**3036369**	50
ST 4-HESILED 24 (5X20)		**3036547**	50
ST 4-HESILED 60 (5X20)		**3036550**	50
ST 4-HESILA 250 (5X20)		**3036563**	50
FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 10-6	32 A	**3030271**	10
FBS 20-6	32 A	**3030365**	10
RB ST (2,5/4)-1,5		**3038943**	10
ATP-ST 4		**3030721**	50
VS		**3004207**	1
SZF 1-0,6X3,5		**1204517**	10
UC-TM 5 (see page 479)			
UC-TMF 6 (see page 483)			
ZB 5 (see page 487)			
ZBF 6 (see page 493)			



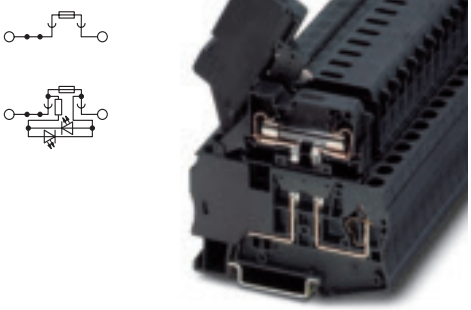
ST 4-HEDI

Lever-type disconnect terminal block

Width	Length	Height NS 35/7,5	
6.2	**61.5**	**62.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
20	**500**	**0.08 - 6**	**28 - 10**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	-	-	-
20 / 2.5	- / -	- / -	-
4	-	-	-
28 - 10	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4 0.5 - 1

-
10
PA
V0

Type	I_{max}	Order No.	Pcs. / Pkt.
ST 4-HEDI		**3035140**	50
FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 10-6	32 A	**3030271**	10
FBS 20-6	32 A	**3030365**	10
RB ST (2,5/4)-1,5		**3038943**	10
ATP-ST 4		**3030721**	50
VS		**3004207**	1
SZF 1-0,6X3,5		**1204517**	10
UC-TM 5 (see page 479)			
ZB 5 (see page 487)			



ST 4-HESI ... (6,3 x 32)

For G fuse inserts 6.3 x 32 mm

Width	Length	Height NS 35/7,5	
8.2	**76.5**	**69**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
10[4])	**500[2])**	**0.08 - 6**	**28 - 10**
IEC 60947-7-3			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500[2])	300	300	-
10[2]) / 1.5	15 / -	10 / -	-
4	-	-	-
28 - 10	28-10	28-10	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4 0.5 - 1

G / 6,3 x 32
10
PA
V0

Type	I_{max}	Order No.	Pcs. / Pkt.
ST 4-HESI (6,3X32)		**3036385**	50
ST 4-HESILED 24 (6,3X32)		**3038765**	50
ST 4-HESILA 250 (6,3X32)		**3038778**	50
FBS 2-8	32 A	**3030284**	10
FBS 3-8	32 A	**3030297**	10
FBS 4-8	32 A	**3030307**	10
FBS 5-8	32 A	**3030310**	10
FBS 10-8	32 A	**3030323**	10
RB ST 6-(2,5/4)		**3030860**	10
ATP-QTC TWIN		**3206212**	50
VS		**3004207**	1
SZF 1-0,6X3,5		**1204517**	10
UC-TM 6 (see page 479)			
UC-TMF 8 (see page 483)			
ZB 6 (see page 487)			
ZBF 8 (see page 493)			

Fuse terminal blocks for auto flat-type fuses ST ...



Flat-type fuses in accordance with ISO/DIS 8820/DIN 72581-3 or the thermal miniature circuit breaker TCP can be used as fuse elements in the ST 4-FSI/C fuse terminal block, see page 458.

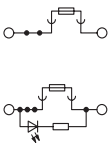
Terminal blocks with a light indicator are available for quick error diagnostics "at a glance".

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) If the fuse is faulty, the downstream circuit is not off load.

[2]) The current is determined by the fuse used, the voltage by the light indicator.

[3]) For derating curve, see page 453.





ST 4-FSI/C ...

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**8.2**	**86.5**	**43.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		30[3])	**400[2])**	**0.08 - 6**	**28 - 10**
Rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400[2])	300	300	-
Nominal current / cross-section	[A] / [mm²]	30[2]) / 4	30 / -	10 / -	-
Rated cross-section	[mm²]	4	-	-	-
Cross-section range	AWG	28 - 10	28-10	28-10	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1
General data					
Fuse type / dimensions	– / [mm]	C			
Stripping length	[mm]	10			
Insulating material		PA			
Inflammability class acc. to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Fuse terminal block, with spring-cage connection, for mounting on NS 35...		Black	**ST 4-FSI/C**		**3036372**	50
Fuse terminal block, with light indicator for 12 V DC, 1.7 mA[1])		Black	**ST 4-FSI/C-LED 12**		**3036495**	50
With light indicator for 24 V DC, 1.9 mA[1])		Black	**ST 4-FSI/C-LED 24**		**3036505**	50
With light indicator for 48 V DC, 1.4 mA[1])		Black	**ST 4-FSI/C-LED 48**		**3035250**	50

Accessories

Insulation stop sleeve, cross-section range:						
0.25 - 0.5 mm²		Gray	**ISH 4/0,5**		**3002885**	50
0.75 - 1 mm²		Black	**ISH 4/1,0**		**3002898**	50
Plug-in bridge for cross connections in the bridge shaft						
	2	Red	**FBS 2-8**	41 A	**3030284**	10
	3	Red	**FBS 3-8**	41 A	**3030297**	10
	4	Red	**FBS 4-8**	41 A	**3030307**	10
	5	Red	**FBS 5-8**	41 A	**3030310**	10
	10	Red	**FBS 10-8**	41 A	**3030323**	10
Test adapter, for 4 mm Ø PS test plug and 4 mm safety test plug, makes contact in the bridge shaft		Gray	**PAI-4**		**3030925**	10
Test plug, consisting of: metal part for 2.3 mm Ø socket hole and			**MPS-MT**		**0201744**	10
insulating sleeve for MPS metal part		Red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		Red	**PS-8**		**3031005**	10
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10
UniCard sheet, for labeling the center groove			**UC-TM 8 (see page 479)**			
UniCard sheet, flat, for labeling the center and lateral grooves			**UC-TMF 8 (see page 483)**			
Zack markers, for labeling the center groove			**ZB 8 (see page 489)**			
Zack marker strip, flat, for labeling the center and lateral grooves			**ZBF 8 (see page 493)**			



Fuse terminal blocks with screw cap ZFK 6 ...

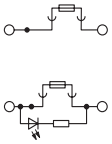


Spring-cage fuse terminal blocks from Phoenix Contact satisfy two important requirements of electrical connection technology. Firstly, they act as fuse carriers and secondly, they assume the task of potential distribution. The ZFK 6-DREHSI, with fuse screw cap and alternatively with light indicator for signaling a tripped fuse, is available for the standard fuse formats 5 x 20 mm and 6.3 x 32 mm used in electrical engineering.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

1) If the fuse is faulty, the downstream circuit is not off load.

2) The current is determined by the fuse used, the voltage by the light indicator. Observe max. power dissipation, see page 729.





ZFK 6-DREHSI ...

For cartridge fuse inserts

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**12**	**86.5**	**56.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		10²)	**800²)**	**0.5 - 10**	**20 - 8**
Rated data		IEC 60947-7-3 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	800²)	600	-	-
Nominal current / cross-section	[A] / [mm²]	10²) / 1.5	20 / -	- / -	-
Rated cross-section	[mm²]	6	-	-	-
Cross-section range	AWG	20 - 8	20-8	-	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1.5
General data					
Fuse type / dimensions	– / [mm]	G / 5 x 20 / 6,3 x 32			
Stripping length	[mm]	12			
Insulating material		PA			
Inflammability class acc. to UL 94		V0			

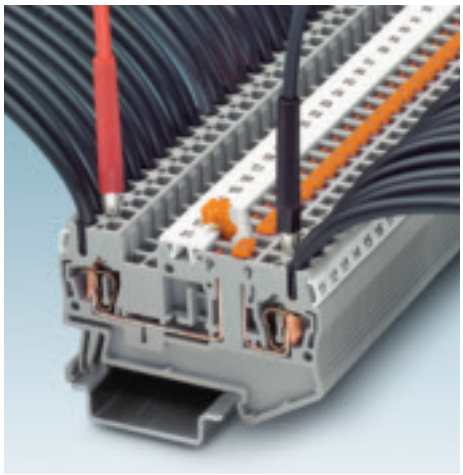
Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Fuse terminal block, for mounting on NS 35..., for cartridge fuse inserts 5 x 20 mm		Black	**ZFK 6-DREHSI (5X20)**		**3025040**	25
For cartridge fuse inserts 6.3 x 32 mm		Black	**ZFK 6-DREHSI (6,3X32)**		**3025273**	25
Fuse terminal block, for mounting on NS 35..., for G fuse inserts 5 x 20 mm, with light indicator for 12-30 V DC, 0.7-2.4 mA¹)		Black	**ZFK 6-DREHSILED 24 (5X20)**		**3025600**	25
For cartridge fuse inserts 6.3 x 32 mm		Black	**ZFK 6-DREHSILED 24 (6,3X32)**		**3025587**	25
Fuse terminal block, for mounting on NS 35..., for G fuse inserts 6,3 x 32 mm, with light indicator for 110-250 V AC/DC, 0.2-0.9 mA¹)		Black	**ZFK 6-DREHSILA 250 (5X20)**		**3025590**	25
For cartridge fuse inserts 6.3 x 32 mm		Black	**ZFK 6-DREHSILA 250 (6,3X32)**		**3025574**	25

Accessories

Fixed bridge, for cross connections in the terminal center, screw heads with insulating collar, divisible, with 10 screws	10	Silver	**FBI 10-12**	57 A	**0203454**	10
Test plug, consisting of: metal part for 2.3 mm Ø socket hole and			**MPS-MT**		**0201744**	10
insulating sleeve for MPS metal part		Red	**MPS-IH RD**		**0201676**	10
Screwdriver			**SZF 2-0,8X4,0**		**1204520**	10
UniCard sheet, flat, for labeling the center and lateral grooves			**UC-TMF 12 (see page 484)**			
Zack marker strip, flat, for labeling the center and lateral grooves			**ZBF 12 (see page 494)**			

Knife disconnect terminal blocks
ST ...-MT





ST 2,5-MT ...

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) The max. load current must not be exceeded by the total current of all connected conductors.

Feed-through terminal blocks with knife disconnect option are a standard in state-of-the-art control technology.

The ST knife disconnect terminal blocks are characterized by a narrow design and a high current carrying capacity of 20 A. The terminal blocks also have a test connection parallel to the disconnect point for a 2.3 mm Ø test plug. Potential distribution is easily wired by means of plug-in bridges.

Three and four-conductor terminal blocks are available for multi-conductor connections. With their compact design these terminal blocks can also be used in small terminal boxes where they provide user-friendly wiring thanks to the front connection.

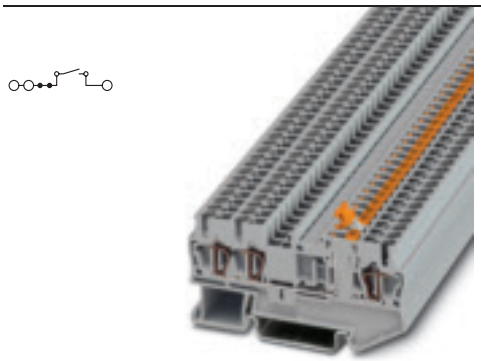
Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**60.5**	**36.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		20	**400**	**0.08 - 4**	**28 - 12**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400	300	300	-
Nominal current / cross-section	[A] / [mm²]	20 / 2.5	16 / -	16 / -	-
Rated cross-section	[mm²]	2.5	-	-	-
Cross-section range	AWG	28 - 12	28-12	28-12	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]				0.5
General data					
Stripping length	[mm]	10			
Insulating material		PA			
Inflammability class acc. to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Knife disconnect terminal block, for mounting on NS 35...		Gray	**ST 2,5-MT**		**3036343**	50
		Blue	**ST 2,5-MT BU**		**3037818**	50

Accessories

Cover, width 2.2 mm		Gray	**D-ST 2,5-TWIN**		**3030488**	50
End cover segment, for covering multi-conductor terminal blocks when two-conductor terminal blocks are aligned		Gray	**DS-ST 2,5**		**3036602**	10
Plug-in bridge for cross connections in the bridge shaft						
	2	Red	**FBS 2-5**	24 A	**3030161**	50
	3	Red	**FBS 3-5**	24 A	**3030174**	50
	4	Red	**FBS 4-5**	24 A	**3030187**	50
	5	Red	**FBS 5-5**	24 A	**3030190**	50
	10	Red	**FBS 10-5**	24 A	**3030213**	10
	20	Red	**FBS 20-5**	24 A	**3030226**	10
Partition plate, for visual and electrical separation of terminal groups, 2 mm thick		Gray	**ATP-ST-TWIN**		**3030789**	50
Test adapter, for 4 mm Ø PS test plug and 4 mm safety test plug, makes contact in the bridge shaft		Gray	**PAI-4**		**3030925**	10
Test plug, consisting of: metal part for 2.3 mm Ø socket hole and			**MPS-MT**		**0201744**	10
insulating sleeve for MPS metal part		Red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		Red	**PS-5**		**3030983**	10
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10
UniCard sheet, for labeling the center groove			**UC-TM 5 (see page 479)**			
UniCard sheet, flat, for labeling the center and lateral grooves			**UC-TMF 5 (see page 482)**			
Zack markers, for labeling the center groove			**ZB 5 (see page 487)**			
Zack marker strip, flat, for labeling the center and lateral grooves			**ZBF 5 (see page 492)**			



ST 2,5-TWIN-MT ...

Width	Length	Height NS 35/7,5	
5.2	**72**	**36.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
20[1])	**400**	**0.08 - 4**	**28 - 12**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	300	300	-
20[1]) / 2.5	16 / -	16 / -	-
2.5	-	-	-
28 - 12	28-12	28-12	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
10			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
ST 2,5-TWIN-MT		**3036356**	50
ST 2,5-TWIN-MT BU		**3037821**	50
D-ST 2,5-QUATTRO		**3030514**	50
DS-ST 2,5		**3036602**	10
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
ATP-ST QUATTRO		**3030815**	50
PAI-4		**3030925**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
SZF 1-0,6X3,5		**1204517**	10
UC-TM 5 (see page 479)			
UC-TMF 5 (see page 482)			
ZB 5 (see page 487)			
ZBF 5 (see page 492)			



ST 2,5-QUATTRO-MT ...

Width	Length	Height NS 35/7,5	
5.2	**84**	**36.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
20[1])	**400**	**0.08 - 4**	**28 - 12**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	300	300	-
20[1]) / 2.5	16 / -	16 / -	-
2.5	-	-	-
28 - 12	28-12	28-12	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
10			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
ST 2,5-QUATTRO-MT		**3036576**	50
ST 2,5-QUATTRO-MT BU		**3037834**	50
D-ST 2,5-QUATTRO-MT		**3038590**	50
DS-ST 2,5		**3036602**	10
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
PAI-4		**3030925**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
SZF 1-0,6X3,5		**1204517**	10
UC-TM 5 (see page 479)			
UC-TMF 5 (see page 482)			
ZB 5 (see page 487)			
ZBF 5 (see page 492)			



ST 4-MT

Width	Length	Height NS 35/7,5	
6.2	**61.5**	**36.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
20	**400**	**0.08 - 6**	**28 - 10**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	300	300	-
20 / 2.5	10 / -	16 / -	-
4	-	-	-
28 - 10	28-10	28-10	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4 0.5 - 1
10			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
ST 4-MT		**3038875**	50
FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 10-6	32 A	**3030271**	10
FBS 20-6	32 A	**3030365**	10
ATP-ST 4		**3030721**	50
PAI-4		**3030925**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
SZF 1-0,6X3,5		**1204517**	10
UC-TM 6 (see page 479)			
UC-TMF 6 (see page 483)			
ZB 6 (see page 487)			
ZBF 6 (see page 493)			

Multi-level knife disconnect terminal blocks

These double-level terminal blocks with disconnect knife can be used as space-saving disconnect terminal blocks in measurement and control technology.

The double-level disconnect knife terminal block, ZFKK 2,5-MT offers a disconnect option in the upper level.

In the case of ZDMTK 2,5, both feed-through levels can be disconnected. The assignment of the disconnect knives to the level is obvious from the vertical offset between the disconnect elements.

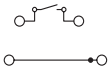
With ZDMTK 2,5-TWIN, it is possible to divide and disconnect an input signal via two disconnect points.

The STTBS 4-MT double-level knife disconnect terminal block provides a large-surface labeling option and a plug-in bridge shaft on each level. The terminal blocks also have a test connection parallel to the isolating point for a 2.3 mm ø test plug.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) The max. load current must not be exceeded by the total current of all connected conductors.

[2]) Lower level





ZFKK 2,5-MT ...

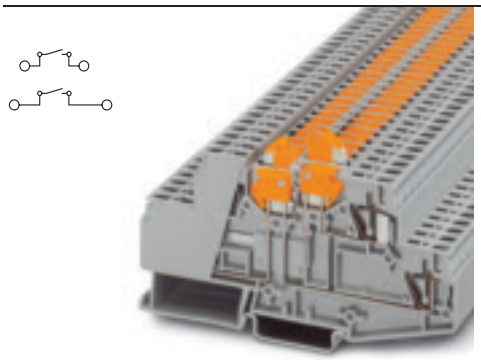
Dimensions		Width	Length	Height NS 35/7,5
	[mm]	**5.2**	**104**	**49**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²] / AWG
		26	**400**	**0.2 - 4 / 24 - 12**
Rated data, lower level		IEC 60947-7-1 IEC	UL / CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	400	300	- / -
Nominal current / cross-section	[A] / [mm²]	24 / 2.5	20 / -	- / - / - / -
Rated cross-section	[mm²]	2.5	-	- / -
Cross-section range	AWG	24 - 12	26-12	- / -
Rated data, upper level		IEC 60947-7-1 IEC	UL / CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	400	300	- / -
Nominal current / cross-section	[A] / [mm²]	16 / 1.5	15 / -	- / - / - / -
Rated cross-section	[mm²]	2.5	-	- / -
Cross-section range	AWG	24 - 12	26-12	- / -
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve
One conductor	[mm²]	0.2 - 4	0.2 - 2.5	0.14 - 2.5 / 0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]			0.5
General data				
Stripping length	[mm]	10		
Insulating material		PA		
Inflammability class acc. to UL 94		V0		

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Knife disconnect terminal block, for mounting on NS 35...		Gray	**ZFKK 2,5-MT**		**3025011**	50
		Blue	**ZFKK 2,5-MT BU**		**3022221**	50

Accessories

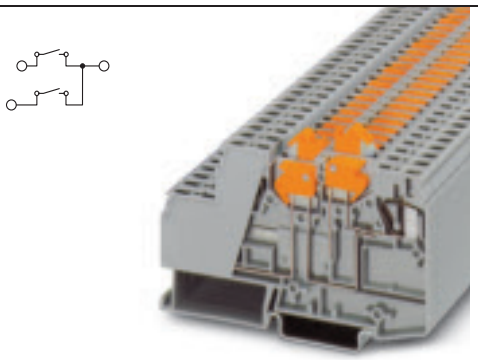
Cover, width 2 mm		Gray	**D-ZFKK 2,5-MT**		**3024151**	50
Cover, width 2.2 mm		Gray				
Insulation stop sleeve, cross-section range:						
0.08 - 0.2 mm²		White	**ISH 2,5/0,2**		**3002843**	50
0.25 - 0.5 mm²		Gray	**ISH 2,5/0,5**		**3002856**	50
0.75 - 1 mm²		Black	**ISH 2,5/1,0**		**3002869**	50
Fixed bridge, for cross connections in the terminal center, screw heads with insulation collar						
	2	Silver	**FBRI 2-5 N**	20 A	**3000227**	10
	3	Silver	**FBRI 3-5 N**	20 A	**3000201**	10
	10	Silver	**FBRI 10-5 N**	20 A	**2770642**	10
Plug-in bridge for cross connections in the bridge shaft						
	2	Red				
	10	Red				
	20	Red				
Separating disk, for electrical separation of neighboring bridges, can be fitted later, no loss of pitch			**TS-U3K 2,5**		**2770066**	50
Partition plate, for visual and electrical separation of terminal groups, 2 mm thick		Gray	**ATP-ZFKKB 4**		**3005772**	50
Test plug, consisting of: metal part for 2.3 mm Ø socket hole and			**MPS-MT**		**0201744**	10
insulating sleeve for MPS metal part		Red	**MPS-IH RD**		**0201676**	10
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10
UniCard sheet, for labeling the center groove						
UniCard sheet, flat, for labeling the center and lateral grooves			**UC-TMF 5 (see page 482)**			
Zack markers, for labeling the center groove						
Zack marker strip, flat, for labeling the center and lateral grooves			**ZBF 5 (see page 492)**			



ZDMTK 2,5 ...

Width	Length	Height NS 35/7,5	
6.2	**107**	**55**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
16	**400**	**0.2 - 4**	**24 - 12**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	300	-	-
16 / 1.5	10 / -	- / -	- / -
2.5	-	-	-
24 - 12	26-12	-	-
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	300	-	-
16 / 1.5	10 / -	- / -	- / -
2.5	-	-	-
24 - 12	26-12	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
10			
PA			
V0			

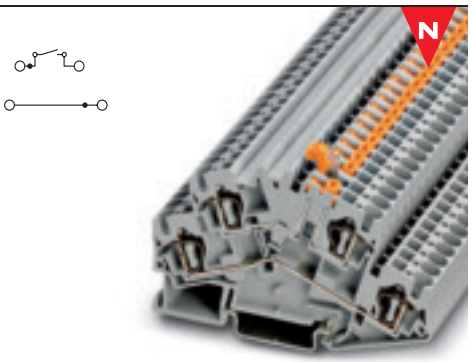
Type	Order No.	Pcs. / Pkt.
ZDMTK 2,5	**3005798**	50
ZDMTK 2,5 BU	**3006784**	50
ISH 2,5/0,2	**3002843**	50
ISH 2,5/0,5	**3002856**	50
ISH 2,5/1,0	**3002869**	50
ATP-ZFKKB 4	**3005772**	50
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
SZF 1-0,6X3,5	**1204517**	10
UC-TMF 6 (see page 483)		
ZBF 6 (see page 493)		



ZDMTK 2,5-TWIN

Width	Length	Height NS 35/7,5	
6.2	**88.5**	**55**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
16[1])	**400**	**0.2 - 4**	**24 - 12**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	300	-	-
16 / 1.5	10 / -	- / -	- / -
2.5	-	-	-
24 - 12	26-12	-	-
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	300	-	-
16 / 1.5	10 / -	- / -	- / -
2.5	-	-	-
24 - 12	26-12	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
10			
PA			
V0			

Type	Order No.	Pcs. / Pkt.
ZDMTK 2,5-TWIN	**3005808**	50
ISH 2,5/0,2	**3002843**	50
ISH 2,5/0,5	**3002856**	50
ISH 2,5/1,0	**3002869**	50
ATP-ZFKKB 4	**3005772**	50
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
SZF 1-0,6X3,5	**1204517**	10
UC-TMF 6 (see page 483)		
ZBF 6 (see page 493)		



STTBS 4-MT ...

Width	Length	Height NS 35/7,5	
6.2	**92.4**	**55**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
34[2])	**500**	**0.08 - 6**	**28 - 10**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	-	-	-
20 / 2.5	- / -	- / -	- / -
4	-	-	-
28 - 10	-	-	-
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	-	-	-
16 / 1.5	- / -	- / -	- / -
4	-	-	-
28 - 10	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4 0.5 - 1
10			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
STTBS 4-MT		**3035470**	50
STTBS 4-MT BU		**3035522**	50
D-STTBS 4-MT		**3035548**	50
ISH 4/0,5		**3002885**	50
ISH 4/1,0		**3002898**	50
FBS 2-6	28 A	**3030336**	50
FBS 10-6	28 A	**3030271**	10
FBS 20-6	28 A	**3030365**	10
ATP-STTB 4		**3030747**	50
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
SZF 1-0,6X3,5		**1204517**	10
UC-TM 6 (see page 479)			
UC-TMF 6 (see page 483)			
ZB 6 (see page 487)			
ZBF 6 (see page 493)			

Disconnect terminal blocks ST ...-TG

The disconnect terminal blocks can accommodate various function connectors, see page 336.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

1) The max. load current must not be exceeded by the total current of all connected conductors.

2) Observe max. load current.

3) Observe max load current, depending on the power dissipation of the components. Max 0.5 W with single arrangement.

4) For max. power dissipation, see page 729.

5) Current and voltage are determined by the connector used.

6) Lower level



ST 2,5-TG



ST 2,5-TWIN-TG

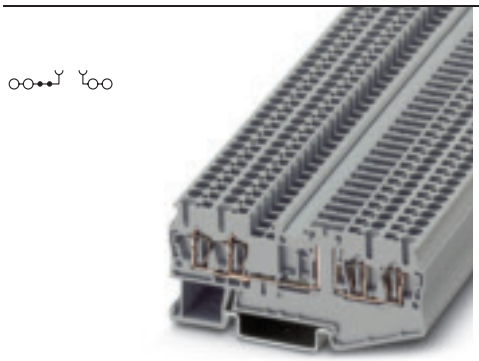
		ST 2,5-TG				ST 2,5-TWIN-TG			
Dimensions		Width	Length	Height NS 35/7,5		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**60.5**	**36.5**		**5.2**	**72**	**36.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG	$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		20[5])	**400[5])**	**0.08 - 4**	**28 - 12**	**20[1])**	**400[5])**	**0.08 - 4**	**28 - 12**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7	IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400[5])	300	300	-	400[5])	300	300	-
Nominal current / cross-section	[A] / [mm²]	20[5]) / 2.5	16 / -	16 / -	-	20[5]) / 2.5	16 / -	16 / -	-
Rated cross-section	[mm²]	2.5	-	-	-	2.5	-	-	-
Cross-section range	AWG	28 - 12	28-12	28-12	-	28 - 12	28-12	28-12	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]				0.5				0.5
General data									
Stripping length	[mm]	10				10			
Insulating material		PA				PA			
Inflammability class acc. to UL 94		V0				V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.	Type	I_{max}	Order No.	Pcs. / Pkt.
Basic terminal block, for mounting on NS 35...		Gray	**ST 2,5-TG**		**3038435**	50	**ST 2,5-TWIN-TG**		**3038448**	50

Accessories

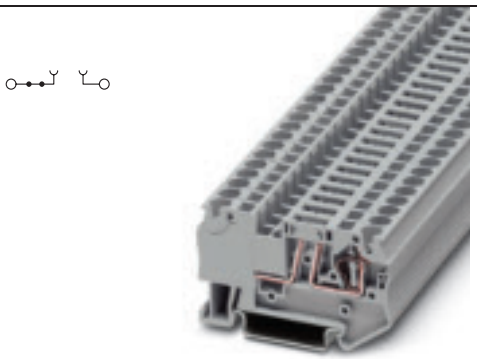
Cover, width 2.2 mm		Gray	**D-ST 2,5-TWIN**		**3030488**	50	**D-ST 2,5-QUATTRO**		**3030514**	50
End cover segment, for covering multi-conductor terminal blocks when two-conductor terminal blocks are aligned		Gray	**DS-ST 2,5**		**3036602**	10	**DS-ST 2,5**		**3036602**	10
Plug-in bridge for cross connections in the bridge shaft										
	2	Red	**FBS 2-5**	24 A	**3030161**	50	**FBS 2-5**	24 A	**3030161**	50
	3	Red	**FBS 3-5**	24 A	**3030174**	50	**FBS 3-5**	24 A	**3030174**	50
	4	Red	**FBS 4-5**	24 A	**3030187**	50	**FBS 4-5**	24 A	**3030187**	50
	5	Red	**FBS 5-5**	24 A	**3030190**	50	**FBS 5-5**	24 A	**3030190**	50
	10	Red	**FBS 10-5**	24 A	**3030213**	10	**FBS 10-5**	24 A	**3030213**	10
	20	Red	**FBS 20-5**	24 A	**3030226**	10	**FBS 20-5**	24 A	**3030226**	10
Partition plate, for visual and electrical separation of terminal groups, 2 mm thick		Gray	**ATP-ST-TWIN**		**3030789**	50	**ATP-ST QUATTRO**		**3030815**	50
Test adapter, for 4 mm Ø PS test plug and 4 mm safety test plug, makes contact in the bridge shaft		Gray	**PAI-4**		**3030925**	10	**PAI-4**		**3030925**	10
Test plug, consisting of: metal part for 2.3 mm Ø socket hole and			**MPS-MT**		**0201744**	10	**MPS-MT**		**0201744**	10
insulating sleeve for MPS metal part		Red	**MPS-IH RD**		**0201676**	10	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		Red	**PS-5**		**3030983**	10	**PS-5**		**3030983**	10
Disconnect plugs[2])		Orange	**P-DI**		**3036783**	50	**P-DI**		**3036783**	50
Feed-through connector[2])		Gray	**P-FIX**		**3038956**	50	**P-FIX**		**3038956**	50
Component connector, labeled with ZBF 5 or UC-TMF 5[3])		Gray	**P-CO**		**3036796**	10	**P-CO**		**3036796**	10
Fuse connector, width 6.2 mm[4])		Black	**P-FU 5X20**		**3036806**	10	**P-FU 5X20**		**3036806**	10
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10	**SZF 1-0,6X3,5**		**1204517**	10
UniCard sheet, for labeling the center groove			**UC-TM 5 (see page 479)**				**UC-TM 5 (see page 479)**			
UniCard sheet, flat, for labeling the center and lateral grooves			**UC-TMF 5 (see page 482)**				**UC-TMF 5 (see page 482)**			
Zack markers, for labeling the center groove			**ZB 5 (see page 487)**				**ZB 5 (see page 487)**			
Zack marker strip, flat, for labeling the center and lateral grooves			**ZBF 5 (see page 492)**				**ZBF 5 (see page 492)**			



ST 2,5-QUATTRO-TG

Width	Length	Height NS 35/7,5	
5.2	**84**	**36.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
20[1])	**400[5])**	**0.08 - 4**	**28 - 12**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400[5])	300	300	-
20[5]) / 2.5	16 / -	16 / -	-
2.5	-	-	-
28 - 12	28-12	28-12	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
10			
PA			
V0			

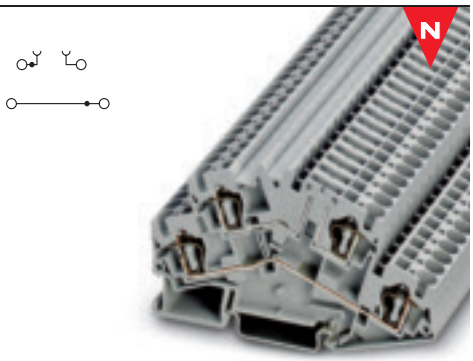
Type	I_{max}	Order No.	Pcs. / Pkt.
ST 2,5-QUATTRO-TG		**3038451**	50
D-ST 2,5-QUATTRO-MT		**3038590**	50
DS-ST 2,5		**3036602**	10
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
PAI-4		**3030925**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
P-DI		**3036783**	50
P-FIX		**3038956**	50
P-CO		**3036796**	10
P-FU 5X20		**3036806**	10
SZF 1-0,6X3,5		**1204517**	10
UC-TM 5 (see page 479)			
UC-TMF 5 (see page 482)			
ZB 5 (see page 487)			
ZBF 5 (see page 492)			



ST 4-TG

Width	Length	Height NS 35/7,5	
6.2	**61.5**	**36.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
20[5])	**400[5])**	**0.08 - 6**	**28 - 10**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400[5])	300	300	-
20[5]) / 2.5	10 / -	16 / -	-
4	-	-	-
28 - 10	28-10	28-10	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4 0.5 - 0.5
10			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
ST 4-TG		**3038367**	50
FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 10-6	32 A	**3030271**	10
FBS 20-6	32 A	**3030365**	10
ATP-ST 4		**3030721**	50
PAI-4		**3030925**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
P-DI		**3036783**	50
P-FIX		**3038956**	50
P-CO		**3036796**	10
P-FU 5X20		**3036806**	10
SZF 1-0,6X3,5		**1204517**	10
UC-TMF 6 (see page 483)			
ZBF 6 (see page 493)			

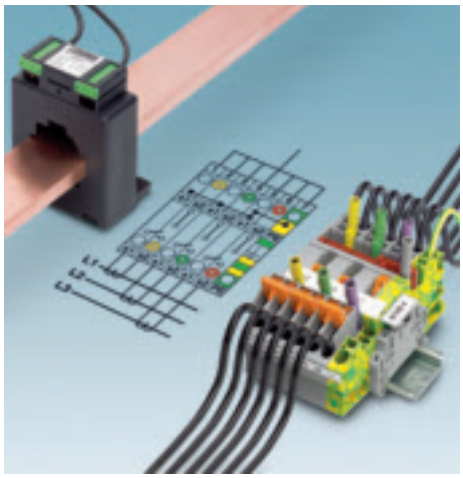


STTBS 4-TG

Width	Length	Height NS 35/7,5	
6.2	**92.4**	**55**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
34[6])	**500[5])**	**0.08 - 6**	**28 - 10**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500[5])	-	-	-
20[5]) / 2.5	- / -	- / -	-
4	-	-	-
28 - 10	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4 0.5 - 1
10			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
STTBS 4-TG		**3035483**	50
D-STTBS 4-MT		**3035548**	50
FBS 2-6	28 A	**3030336**	50
FBS 3-6	28 A	**3030242**	50
FBS 4-6	28 A	**3030255**	50
FBS 5-6	28 A	**3030349**	50
FBS 10-6	28 A	**3030271**	10
FBS 20-6	28 A	**3030365**	10
ATP-STTB 4		**3030747**	50
PAI-4		**3030925**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
P-DI		**3036783**	50
P-FIX		**3038956**	50
P-CO		**3036796**	10
P-FU 5X20		**3036806**	10
SZF 1-0,6X3,5		**1204517**	10
UC-TM 6 (see page 479)			
UC-TMF 6 (see page 483)			
ZB 6 (see page 487)			
ZBF 6 (see page 493)			

Measuring transducer disconnect terminal blocks STME 6

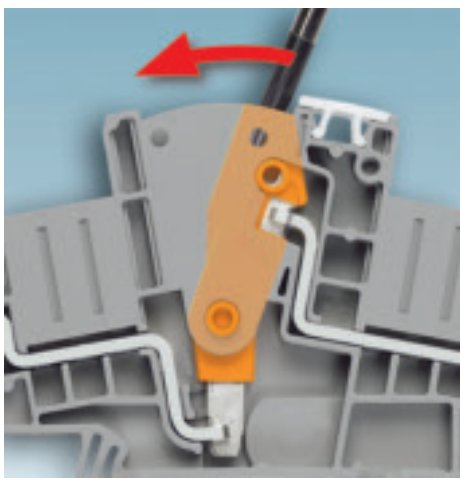


The new generation of compact STME 6 measuring transducer disconnect terminal blocks with spring-cage connection technology is characterized by easy operation and clarity. All switching statuses can be detected clearly at first glance. Thanks to the extensive range of flexible accessories, costs and time are saved when executing the transducer test circuit tasks.

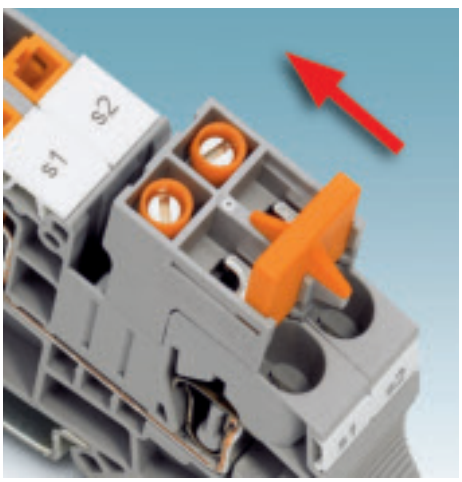


Only two STME 6 measuring transducer disconnect terminal blocks are required for a current transformer measuring circuit. This means that less space is required compared with a circuit design using slide-type terminal blocks.

① FBS... plug-in bridge for cross connection
② 4 mm Ø PAI-4-FIX... test plug adapter
③ S-ME 6 switching lock
④ SB-ME... switch bar
⑤ C-ME 6/2 connection bridge



The longitudinal isolating switch contacts and snaps in safely in the relevant switching status. Imprinted switching symbols ensure clarity. The optional switching lock snaps in and effectively prevents accidental switching. For simultaneous actuation, two switches can be connected to each other using a connection bridge.



The SB-ME 6... switch bars can be placed on both sides of the disconnect point in the bridge shaft and can be securely snapped in irrespective of the terminal strip configuration. The bridge for the transformer short-circuit can be securely engaged in the end positions, and screw terminal points are used to make contact.

Current carrying capacity of DIN rails, see page 728.
For suitable terminal strip covers, see page 702.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.
[1]) For more test plugs, see page 335.

Dimensions	
	[mm]
Max. electrical data	
Rated data	
Rated voltage	[V]
Nominal current / cross-section	[A] / [mm²]
Rated cross-section	[mm²]
Cross-section range	AWG
Connection capacity	
One conductor	[mm²]
Two stranded conductors with a TWIN ferrule	[mm²]
General data	
Stripping length	[mm]
Insulating material	
Inflammability class acc. to UL 94	

Ordering data

Description	No. of pos.	Color
Measuring transducer disconnect terminal block, for mounting on NS 35		Gray
Feed-through terminal block, for mounting on NS 35...		Gray
Ground terminal block, for mounting on NS 35		Green-yellow

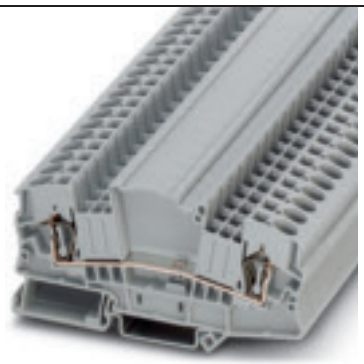
Accessories

Cover, width 2.2 mm		Gray
Switching jumper, pluggable, 2-pos.		
2-pos.		Gray/orange
3-pos.		Gray/orange
4-pos.		Gray/orange
Plug-in bridge for cross connections in the bridge shaft		
	2	Red
	3	Red
	4	Red
	5	Red
	10	Red
Preassembled bridge, labeled		
3-pos., positions 1, 3	2	Red
4-pos., positions 1, 4	2	Red
5-pos., positions 1, 3, 5	3	Red
10-pos. positions 1, 4, 7, 10	3	Red
Switching lock, pluggable		White
Connection bridge, for connecting two measuring transducer disconnect terminal blocks 3-pos.		Orange
Test adapter, for 4 mm Ø safety test plug, snapped into bridge shaft[1])		Orange
		Yellow
		Green
		Violet
Partition plate, with storage option for switching jumpers		Gray
Screwdriver		
UniCard sheet, for labeling the center groove		
UniCard sheet, flat, for labeling the center and lateral grooves		
Zack markers, for labeling the center groove		
Zack marker strip, flat, for labeling the center and lateral grooves		

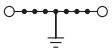




STME 6



STMED 6





STMED 6-PE

Width	Length	Height NS 35/7,5	
8.2	**100.8**	**49.6**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
30	**500**	**0.2 - 10**	**24 - 8**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	600	-	-
30 / 6	30 / -	- / -	-
6	-	-	-
24 - 8	24-8	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 10	0.2 - 6	0.25 - 6	0.25 - 6 0.5 - 1.5
12			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
STME 6		**3035700**	50
D-DTME 6		**3034426**	10
SB-ME 2-8	30 A	**3034468**	10
SB-ME 3-8	30 A	**3032800**	10
SB-ME 4-8	30 A	**3034484**	10
FBS 2-8	41 A	**3030284**	10
FBS 3-8	41 A	**3030297**	10
FBS 4-8	41 A	**3030307**	10
FBS 5-8	41 A	**3030310**	10
FBS 10-8	41 A	**3030323**	10
FBS 1/3-8	41 A	**3032363**	10
FBS 1/4-8	41 A	**3032376**	10
FBS 1/3/5-8	41 A	**3032389**	10
FBS 1/4/7/10-8	41 A	**3032402**	10
S-ME 6		**3034439**	10
C-ME 6/2		**3034442**	10
C-ME 6/3		**3034390**	50
PAI-4-FIX OG		**3034455**	10
PAI-4-FIX YE		**3032745**	10
PAI-4-FIX GN		**3032758**	10
PAI-4-FIX VT		**3032761**	10
CARRIER 35-8		**3034387**	10
SZF 2-0,8X4,0		**1204520**	10
UC-TM 8 (see page 479)			
UC-TMF 8 (see page 483)			
ZB 8 (see page 489)			
ZBF 8 (see page 493)			

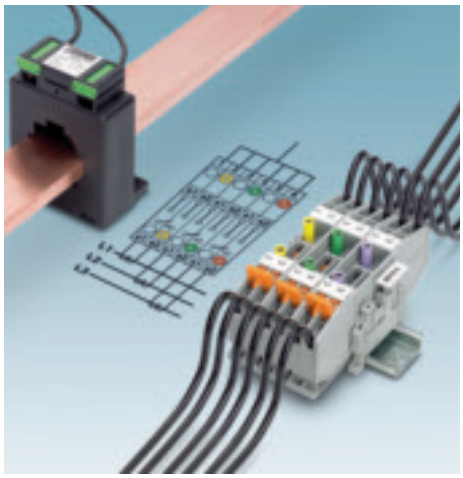
Width	Length	Height NS 35/7,5	
8.2	**100.8**	**49.6**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
30	**500**	**0.2 - 10**	**24 - 8**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	600	-	-
30 / 6	30 / -	- / -	-
6	-	-	-
24 - 8	24-8	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 10	0.2 - 6	0.25 - 6	0.25 - 6 0.5 - 1.5
12			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
STMED 6		**3035713**	50
D-DTME 6		**3034426**	10
SB-ME 2-8	30 A	**3034468**	10
SB-ME 3-8	30 A	**3032800**	10
SB-ME 4-8	30 A	**3034484**	10
FBS 2-8	41 A	**3030284**	10
FBS 3-8	41 A	**3030297**	10
FBS 4-8	41 A	**3030307**	10
FBS 5-8	41 A	**3030310**	10
FBS 10-8	41 A	**3030323**	10
FBS 1/3-8	41 A	**3032363**	10
FBS 1/4-8	41 A	**3032376**	10
FBS 1/3/5-8	41 A	**3032389**	10
FBS 1/4/7/10-8	41 A	**3032402**	10
PAI-4-FIX OG		**3034455**	10
PAI-4-FIX YE		**3032745**	10
PAI-4-FIX GN		**3032758**	10
PAI-4-FIX VT		**3032761**	10
CARRIER 35-8		**3034387**	10
SZF 2-0,8X4,0		**1204520**	10
UC-TM 8 (see page 479)			
UC-TMF 8 (see page 483)			
ZB 8 (see page 489)			
ZBF 8 (see page 493)			

Width	Length	Height NS 35/7,5	
8.2	**100.8**	**49.6**	
		Max. Ø [mm²]	AWG
		0.2 - 10	**24 - 8**
IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	-
6	-	-	-
24 - 8	24-8	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 10	0.2 - 6	0.25 - 6	0.25 - 6 0.5 - 1.5
12			
PA			
V0			

Type	Order No.	Pcs. / Pkt.
STMED 6-PE	**3035726**	50
D-DTME 6	**3034426**	10
FBS 2-8	**3030284**	10
FBS 3-8	**3030297**	10
FBS 4-8	**3030307**	10
FBS 5-8	**3030310**	10
FBS 10-8	**3030323**	10
FBS 1/3-8	**3032363**	10
FBS 1/4-8	**3032376**	10
FBS 1/3/5-8	**3032389**	10
FBS 1/4/7/10-8	**3032402**	10
PAI-4-FIX OG	**3034455**	10
PAI-4-FIX YE	**3032745**	10
PAI-4-FIX GN	**3032758**	10
PAI-4-FIX VT	**3032761**	10
CARRIER 35-8	**3034387**	10
SZF 2-0,8X4,0	**1204520**	10
UC-TM 8 (see page 479)		
UC-TMF 8 (see page 483)		
ZB 8 (see page 489)		
ZBF 8 (see page 493)		

Test disconnect terminal blocks
SRTK 6

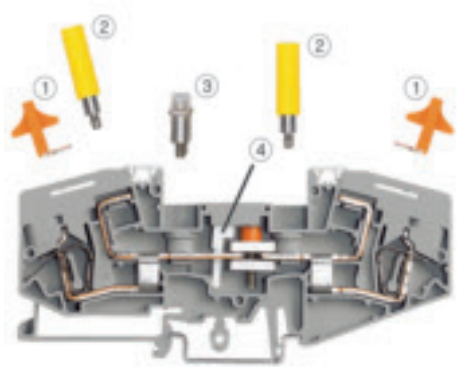


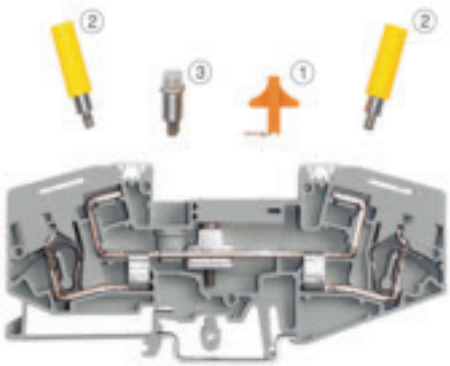


For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

The SRTK 6 measuring transducer disconnect terminal block and the SGSK 6 slide-type terminal block with screw disconnect slide and a universal foot for the DIN rails NS 35 and NS 32 have been specially designed for use in current transformer secondary circuits. The terminal blocks can be equipped with fixed and switchable screw bridges and 4 mm Ø test sockets on both sides. The terminal block as well as the accessories are touch proof in accordance with BGV A2.

The extensive range of accessories of the SRTK 6 test disconnect terminal blocks can also be used for the URTK 6 test disconnect terminal blocks with screw connection. For more information and technical data about screw connection variants, see page 63.





Only two SRTK 6 test disconnect terminal blocks are required for a current transformer measuring circuit. This means that less space is required compared with a circuit design using slide-type terminal blocks.

① SB... switching jumper
② 4 mm Ø test sockets PSBJ-URTK 6...
③ Fixed bridge for cross connection FBRI 10-8 N
④ Switching lock S-URTK/SP

Several measuring devices or protective relays can be connected individually using the SGSK 6 slide-type terminal block. For this purpose, the slide can be connected with the switching jumper depending on the switching task.

① SB... switching jumper
② 4 mm Ø test sockets PSBJ-URTK 6...
③ Fixed bridge for cross connection FBRI 10-8 N

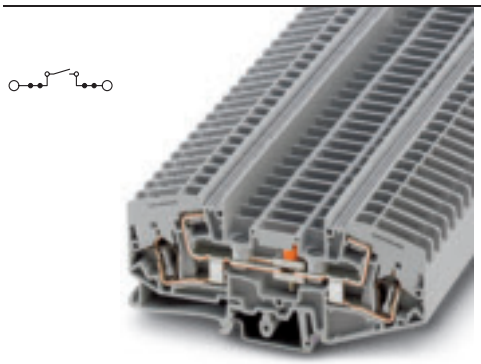
Dimensions		
		[mm]
Max. electrical data		
Rated data		
Rated voltage		[V]
Nominal current / cross-section		[A] / [mm²]
Rated cross-section		[mm²]
Cross-section range		AWG
Connection capacity		
One conductor		[mm²]
Two stranded conductors with a TWIN ferrule		[mm²]
General data		
Stripping length		[mm]
Disconnect slide: thread / torque		- / [Nm]
Torque: test socket, fixed bridge, switch bar		[Nm]
Insulating material		
Inflammability class acc. to UL 94		

Ordering data

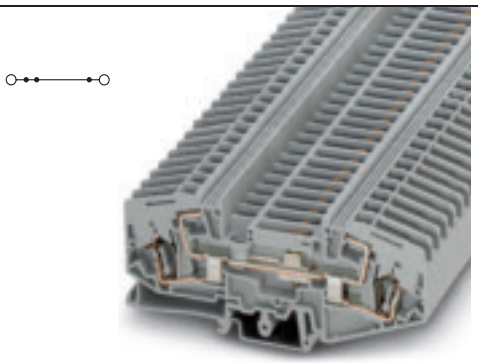
Description	No. of pos.	Color
Measuring transducer disconnect terminal block, for mounting on NS 35 and NS 32		Gray
Slide-type terminal block, for mounting on NS 35 and NS 32		Gray
Feed-through terminal block, for mounting on NS 35 and NS 32		Gray

Accessories

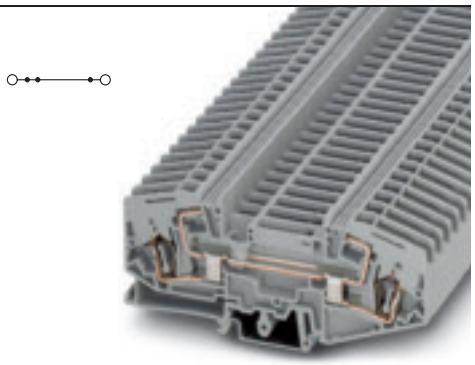
Cover, width 2 mm		Gray
Switching jumper, complete		
	2	Orange
	3	Orange
	4	Orange
	10	Orange
For bridging between non-adjacent terminals	10	Orange
Fixed bridge, for cross connections in the terminal center, screw heads with insulating collar, divisible, with 10 screws		
	10	Silver
Switching lock, prevents unintentional operation of the disconnect slide		White
Test socket, insulated		Transparent Blue Yellow Green Violet Black Gray Brown
Short-circuit connector, for short-circuiting neighboring terminal blocks, fully insulated, 2-pos.		Black
4-pos.		Black
Screwdriver		
UniCard sheet, for labeling the center groove		
Zack markers, for labeling the center groove		



SRTK 6



SGSK 6



SRDK 6

Width	Length	Height NS 35/7,5	
8.2	**113**	**49**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
45	**400**	**0.2 - 10**	**24 - 8**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	300	-	-
41 / 6	40 / -	- / -	-
6	-	-	-
24 - 8	18-8	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 10	0.2 - 6	0.25 - 6	0.25 - 6 0.5 - 1.5
12			
M3 / 0.6 - 0.8			
0.6 - 0.8			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
SRTK 6		**3029952**	50
D-SRTK 6		**3029981**	10
SB 2-8-T	41 A	**3026366**	10
SB 3-8-T	41 A	**3026492**	10
SB 4-8-T	41 A	**3026379**	10
SB 10-8-T	41 A	**3026382**	10
SB 10-8-T SO	41 A	**3026395**	10
FBRI 10-8 N	41 A	**2772080**	10
S-URTK/SP		**0311155**	50
PSBJ-URTK 6 FARBLOS		**3026450**	10
PSBJ-URTK 6 BU		**3026434**	10
PSBJ-URTK 6 YE		**3026405**	10
PSBJ-URTK 6 GN		**3026418**	10
PSBJ-URTK 6 VT		**3026421**	10
PSBJ-URTK 6 BK		**3026447**	10
PSBJ-URTK 6 GY		**3026612**	10
PSBJ-URTK 6 BN		**3026971**	10
PSBJ-URTK 6 RD		**3026719**	10
KSSI 2-8		**3000722**	10
KSSI 4-8		**3000735**	10
SZF 2-0,8X4,0		**1204520**	10
UC-TM 8 (see page 479)			
ZB 8 (see page 489)			

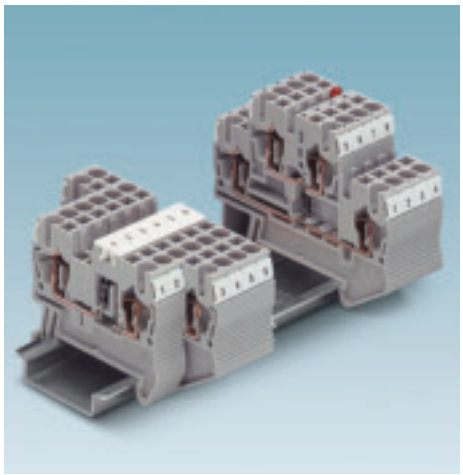
Width	Length	Height NS 35/7,5	
8.2	**113**	**49**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
45	**400**	**0.2 - 10**	**24 - 8**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	300	-	-
41 / 6	40 / -	- / -	-
6	-	-	-
24 - 8	18-8	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 10	0.2 - 6	0.25 - 6	0.25 - 6 0.5 - 1.5
12			
M3 / 0.6 - 0.8			
0.6 - 0.8			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
SGSK 6		**3029965**	50
D-SRTK 6		**3029981**	10
SB 2-8-T	41 A	**3026366**	10
SB 3-8-T	41 A	**3026492**	10
SB 4-8-T	41 A	**3026379**	10
SB 10-8-T	41 A	**3026382**	10
SB 10-8-T SO	41 A	**3026395**	10
FBRI 10-8 N	41 A	**2772080**	10
PSBJ-URTK 6 FARBLOS		**3026450**	10
PSBJ-URTK 6 BU		**3026434**	10
PSBJ-URTK 6 YE		**3026405**	10
PSBJ-URTK 6 GN		**3026418**	10
PSBJ-URTK 6 VT		**3026421**	10
PSBJ-URTK 6 BK		**3026447**	10
PSBJ-URTK 6 GY		**3026612**	10
PSBJ-URTK 6 BN		**3026971**	10
PSBJ-URTK 6 RD		**3026719**	10
KSSI 2-8		**3000722**	10
KSSI 4-8		**3000735**	10
SZF 2-0,8X4,0		**1204520**	10
UC-TM 8 (see page 479)			
ZB 8 (see page 489)			

Width	Length	Height NS 35/7,5	
8.2	**113**	**49**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
45	**400**	**0.2 - 10**	**24 - 8**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	300	-	-
41 / 6	40 / -	- / -	-
6	-	-	-
24 - 8	18-8	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 10	0.2 - 6	0.25 - 6	0.25 - 6 0.5 - 1.5
12			
- / -			
0.6 - 0.8			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
SRDK 6		**3029973**	50
D-SRTK 6		**3029981**	10
SB 2-8-T	41 A	**3026366**	10
SB 3-8-T	41 A	**3026492**	10
SB 4-8-T	41 A	**3026379**	10
SB 10-8-T	41 A	**3026382**	10
SB 10-8-T SO	41 A	**3026395**	10
FBRI 10-8 N	41 A	**2772080**	10
PSBJ-URTK 6 FARBLOS		**3026450**	10
PSBJ-URTK 6 BU		**3026434**	10
PSBJ-URTK 6 YE		**3026405**	10
PSBJ-URTK 6 GN		**3026418**	10
PSBJ-URTK 6 VT		**3026421**	10
PSBJ-URTK 6 BK		**3026447**	10
PSBJ-URTK 6 GY		**3026612**	10
PSBJ-URTK 6 BN		**3026971**	10
PSBJ-URTK 6 RD		**3026719**	10
KSSI 2-8		**3000722**	10
KSSI 4-8		**3000735**	10
SZF 2-0,8X4,0		**1204520**	10
UC-TM 8 (see page 479)			
ZB 8 (see page 489)			

Component terminal blocks
ST ...-DIO/...



With a constructional width of only 5.2 mm, the spring-cage component terminal blocks with a nominal cross-section of 2.5 mm² can be used for a wide variety of switching tasks. The diode can be soldered in either from left to right or from right to left as required. Three and four-conductor terminal blocks are available for multi-conductor connections. The ST 4-QUATTRO-DIO with the 1N 5408 diode additionally offers an increased maximum continuous current of 1.5 A.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) The max. current is determined by the diode. Integrated: diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 0.5 A

[2]) The max. current is determined by the diode. Integrated: diode 1N 5408, reverse voltage: 1000 V, maximum continuous current 1.5 A.







ST 2,5-DIO/...

With integrated diode 1N 4007

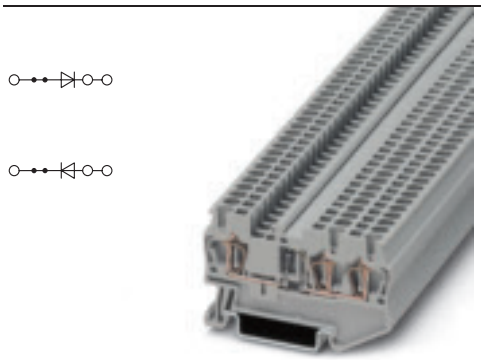
Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	5.2	48.5	36.5	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		0.5[1])	800	0.08 - 4	28 - 12
Rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	800	600	600	-
Nominal current / cross-section	[A] / [mm²]	0.5[1]) / 1	1 / -	1 / -	-
Rated cross-section	[mm²]	2.5	-	-	-
Cross-section range	AWG	28 - 12	28-12	28-12	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]				0.5
General data					
Stripping length	[mm]	10			
Insulating material		PA			
Inflammability class acc. to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Spring-cage terminal block, with integrated diode, conducting direction from left to right		Gray	**ST 2,5-DIO/L-R**		**3036262**	50
Spring-cage terminal block, with integrated diode, conducting direction from right to left		Gray	**ST 2,5-DIO/R-L**		**3036518**	50

Accessories

Cover, width 2.2 mm		Gray	**D-ST 2,5**		**3030417**	50
End cover segment, for covering multi-conductor terminal blocks when two-conductor terminal blocks are aligned		Gray				
Insulation stop sleeve, cross-section range:						
0.08 - 0.2 mm²		White	**ISH 2,5/0,2**		**3002843**	50
0.25 - 0.5 mm²		Gray	**ISH 2,5/0,5**		**3002856**	50
0.75 - 1 mm²		Black	**ISH 2,5/1,0**		**3002869**	50
Plug-in bridge for cross connections in the bridge shaft						
	2	Red	**FBS 2-5**	24 A	**3030161**	50
	3	Red	**FBS 3-5**	24 A	**3030174**	50
	4	Red	**FBS 4-5**	24 A	**3030187**	50
	5	Red	**FBS 5-5**	24 A	**3030190**	50
	10	Red	**FBS 10-5**	24 A	**3030213**	10
	20	Red	**FBS 20-5**	24 A	**3030226**	10
Partition plate, for visual and electrical separation of terminal groups, 2 mm thick		Gray	**ATP-ST 4**		**3030721**	50
Test plug, consisting of: metal part for 2.3 mm Ø socket hole and			**MPS-MT**		**0201744**	10
insulating sleeve for MPS metal part		Red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		Red	**PS-5**		**3030983**	10
Warning cover, for actuation shafts, 5-pos.		Yellow	**WST 2,5**		**3030941**	50
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10
UniCard sheet, for labeling the center groove			**UC-TM 5 (see page 479)**			
UniCard sheet, flat, for labeling the center and lateral grooves			**UC-TMF 5 (see page 482)**			
Zack markers, for labeling the center groove			**ZB 5 (see page 487)**			
Zack marker strip, flat, for labeling the center and lateral grooves			**ZBF 5 (see page 492)**			

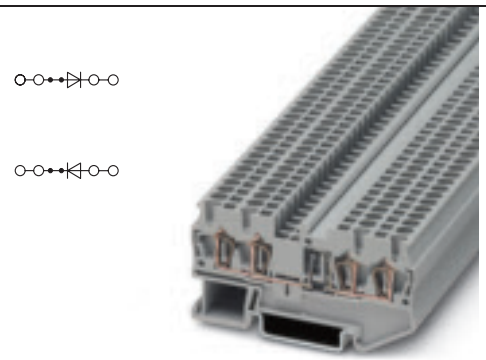


ST 2,5-TWIN-DIO/...

With integrated diode 1N 4007

Width	Length	Height NS 35/7,5	
5.2	**60.5**	**36.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
0.5[1])	**800**	**0.08 - 4**	**28 - 12**
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800	600	600	-
0.5[1]) / 1	- / -	- / -	-
2.5	-	-	-
28 - 12	28-12	28-12	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
			0.5
10			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
ST 2,5-TWIN-DIO/L-R		**3036246**	50
ST 2,5-TWIN-DIO/R-L		**3036521**	50
D-ST 2,5-TWIN		**3030488**	50
DS-ST 2,5		**3036602**	10
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
ATP-ST-TWIN		**3030789**	50
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
WST 2,5		**3030941**	50
SZF 1-0,6X3,5		**1204517**	10
UC-TM 5 (see page 479)			
UC-TMF 5 (see page 482)			
ZB 5 (see page 487)			
ZBF 5 (see page 492)			

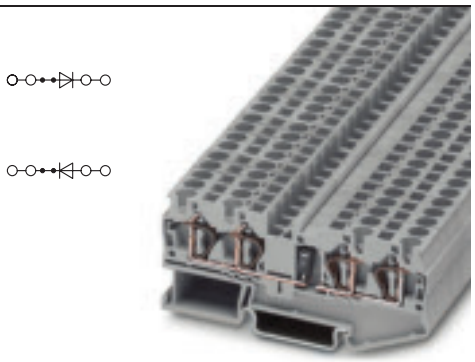


ST 2,5-QUATTRO-DIO/...

With integrated diode 1N 4007

Width	Length	Height NS 35/7,5	
5.2	**72**	**36.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
0.5[1])	**800**	**0.08 - 4**	**28 - 12**
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800	600	600	-
0.5[1]) / 1	- / -	- / -	-
2.5	-	-	-
28 - 12	28-12	28-12	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
			0.5
10			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
ST 2,5-QUATTRO-DIO/L-R		**3036233**	50
ST 2,5-QUATTRO-DIO/R-L		**3036534**	50
D-ST 2,5-QUATTRO		**3030514**	50
DS-ST 2,5		**3036602**	10
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
ATP-ST QUATTRO		**3030815**	50
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
WST 2,5		**3030941**	50
SZF 1-0,6X3,5		**1204517**	10
UC-TM 5 (see page 479)			
UC-TMF 5 (see page 482)			
ZB 5 (see page 487)			
ZBF 5 (see page 492)			



ST 4-QUATTRO-DIO 1N 5408/...

With integrated diode 1N 5408

Width	Length	Height NS 35/7,5	
6.2	**87**	**36.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
1.5[2])	**800**	**0.08 - 6**	**28 - 10**
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800	-	-	-
1.5[2]) / 1	- / -	- / -	-
4	-	-	-
28 - 10	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4
			0.5 - 1
10			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
ST 4-QUATTRO-DIO 1N 5408/L-R		**3037782**	50
ST 4-QUATTRO-DIO 1N 5408/R-L		**3037795**	50
D-ST 4-QUATTRO		**3030527**	50
DS-ST 4		**3036615**	10
ISH 4/0,5		**3002885**	50
ISH 4/1,0		**3002898**	50
FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 10-6	32 A	**3030271**	10
FBS 20-6	32 A	**3030365**	10
ATP-ST QUATTRO		**3030815**	50
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
WST 4		**3030954**	50
SZF 1-0,6X3,5		**1204517**	10
UC-TM 6 (see page 479)			
UC-TMF 6 (see page 483)			
ZB 6 (see page 487)			
ZBF 6 (see page 493)			

Multi-level component terminal block, STTB...-DIO, STTB...-LA

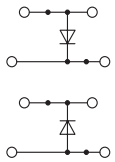
Thanks to the different versions of double-level diode and light indicator terminal blocks, it is possible to carry out a great variety of switching tasks.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

More plug-in bridges can be found on page 330.

[1]) The max. current is determined by the diode. Integrated: diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 0.5 A

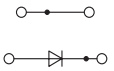
[2]) Depending on the light indicator





STTB 2,5-DIO/ ...

With integrated diode 1N 4007





STTB 2,5-DIO/UL-UR

With integrated diode 1N 4007

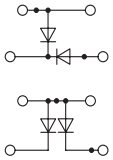
Dimensions		Width	Length	Height NS 35/7,5		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**67.5**	**47.5**		**5.2**	**67.5**	**47.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG	$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		26[1])	**500**	**0.08 - 4**	**28 - 12**	**26[1])**	**500**	**0.08 - 4**	**28 - 12**
Rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7	IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	600	300	-	500	600	300	-
Nominal current / cross-section	[A] / [mm²]	22[1]) / 2.5	- / -	- / -	-	22[1]) / 2.5	- / -	- / -	-
Rated cross-section	[mm²]	2.5	-	-	-	2.5	-	-	-
Cross-section range	AWG	28 - 12	28-12	28-12	-	28 - 12	28-12	28-12	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]				0.5				0.5
General data									
Stripping length	[mm]	10				10			
Insulating material		PA				PA			
Inflammability class acc. to UL 94		V0				V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.	Type	I_{max}	Order No.	Pcs. / Pkt.
Spring-cage terminal block, with integrated 1N 4007 diode, conducting direction from top to bottom		Gray	**STTB 2,5-DIO/O-U**		**3031555**	50				
Spring-cage terminal block, with integrated 1N 4007 diode, conducting direction from bottom to top		Gray	**STTB 2,5-DIO/U-O**		**3031563**	50				
Spring-cage terminal block, with integrated 1N 4007 diode, conducting direction from left to right		Gray					**STTB 2,5-DIO/UL-UR**		**3031571**	50
Spring-cage terminal block, with two integrated 1N 4007 diodes, conducting from top to bottom left and from bottom right to bottom left		Gray								
Spring-cage terminal block, with two integrated 1N 4007 diodes, conducting direction from top to bottom left and from top to bottom right		Gray								
Spring-cage terminal block, with light indicator										
With light indicator for 12-30 V DC, 0.7-2.4 mA		Gray								
With light indicator for 30-60 V DC, 0.8-1.8 mA		Gray								
With light indicator for 110-230 V AC/DC, 0.1-0.5 mA		Gray								
Spring-cage terminal block, with built-in PT 100 temperature sensors and fitted cover		Gray								

Accessories

Cover, width 2.2 mm		Gray	**D-STTB 2,5**		**3030459**	50	**D-STTB 2,5**		**3030459**	50
Plug-in bridge for cross connections in the bridge shaft										
	2	Red	**FBS 2-5**	20 A	**3030161**	50	**FBS 2-5**	20 A	**3030161**	50
	5	Red	**FBS 5-5**	20 A	**3030190**	50	**FBS 5-5**	20 A	**3030190**	50
	10	Red	**FBS 10-5**	20 A	**3030213**	10	**FBS 10-5**	20 A	**3030213**	10
Double marker carrier, can be snapped into the double-level terminal blocks STTB 2,5, PITTB 2,5 can be labeled with UC-TMF 5, ZB 5 or UC-TMF 5, ZBF 5		Gray	**STP 5-2**		**0800967**	100	**STP 5-2**		**0800967**	100
Warning cover, for actuation shafts, 5-pos.		Yellow	**WST 2,5**		**3030941**	50	**WST 2,5**		**3030941**	50
UniCard sheet, flat, for labeling the center and lateral grooves			**UC-TMF 5 (see page 482)**				**UC-TMF 5 (see page 482)**			
Zack marker strip, flat, for labeling the center and lateral grooves			**ZBF 5 (see page 492)**				**ZBF 5 (see page 492)**			



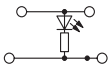


STTB 2,5-2 DIO/O-UL/ ...

With two integrated diodes 1N 4007

Width	Length	Height NS 35/7,5	
5.2	**67.5**	**47.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
26[1])	**250**	**0.08 - 4**	**28 - 12**
IEC	UL / CUL	CSA	IEC/ EN 60079-7
250	600	300	-
22[1]) / 2.5	- / -	- / -	-
2.5	-	-	-
28 - 12	28-12	28-12	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
10			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
STTB 2,5-2DIO/O-UL/UR-UL		**3031584**	50
STTB 2,5-2DIO/O-UL/O-UR		**3031597**	50
D-STTB 2,5		**3030459**	50
FBS 2-5	20 A	**3030161**	50
FBS 5-5	20 A	**3030190**	50
FBS 10-5	20 A	**3030213**	10
STP 5-2		**0800967**	100
WST 2,5		**3030941**	50
UC-TMF 5 (see page 482)			
ZBF 5 (see page 492)			



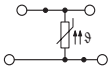


STTB 2,5-LA ...

With light indicator

Width	Length	Height NS 35/7,5	
5.2	**67.5**	**47.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
26	**24[2])**	**0.08 - 4**	**28 - 12**
IEC	UL / CUL	CSA	IEC/ EN 60079-7
24[2])	600	-	-
22 / 2.5	20 / -	- / -	-
2.5	-	-	-
28 - 12	28-12	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
10			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
STTB 2,5-LA 24 RD		**3031607**	50
STTB 2,5-LA 60 RD		**3031610**	50
STTB 2,5-LA230		**3031623**	50
D-STTB 2,5		**3030459**	50
FBS 2-5	20 A	**3030161**	50
FBS 5-5	20 A	**3030190**	50
FBS 10-5	20 A	**3030213**	10
STP 5-2		**0800967**	100
WST 2,5		**3030941**	50
UC-TMF 6 (see page 483)			
ZBF 5 (see page 492)			





STTB 2,5-PT 100 MD

With temperature sensor

Width	Length	Height NS 35/7,5	
7.4	**67.5**	**47.5**	
		Max. Ø [mm²]	AWG
		0.08 - 4	**28 - 12**
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	-
2.5	-	-	-
28 - 12	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
10			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
STTB 2,5-PT100 MD		**3035564**	50
FBS 2-5	20 A	**3030161**	50
FBS 5-5	20 A	**3030190**	50
FBS 10-5	20 A	**3030213**	10
STP 5-2		**0800967**	100
WST 2,5		**3030941**	50
UC-TMF 5 (see page 482)			
ZBF 5 (see page 492)			

Hybrid terminal blocks STU ...



Current carrying capacity of DIN rails, see page 728.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



STU 2,5-TWIN ...

The ST...-TWIN spring-cage hybrid terminal block supplements the product range of the mini-spring ST spring-cage series. The conductor connection space both on the spring-cage side and on the screw side permits connection with the rated cross-sections of 2.5 mm² and 4 mm² with and without ferrule.

The advantages of the different connection methods are that the TWIN spring-cage connection is used on the internal control cabinet side and the universal screw connection is used on the end customer side. A ground terminal block of the same shape is also available for the three-conductor terminal block. Contact is made by simply snapping the terminal block onto the DIN rail. All the requirements of IEC 60947-7-2 are fulfilled.

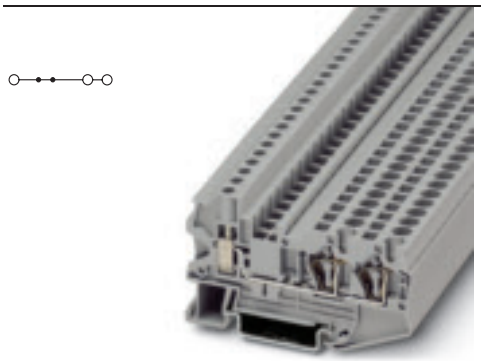
Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**65.3**	**42.8**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		28	**800**	**0.08 - 4**	**28 - 12**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	800	600	600	-
Nominal current / cross-section	[A] / [mm²]	24 / 2.5	20 / -	20 / -	-
Rated cross-section	[mm²]	2.5	-	-	
Cross-section range	AWG	28 - 12	28-12	28-12	-
Connection capacity, screw connection		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
Two conductors (of the same type)	[mm²]	0.14 - 2.5	0.2 - 2.5	0.14 - 1.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1
Connection capacity, spring-cage connection		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1
General data					
Stripping length, screw connection	[mm]	9			
Stripping length, spring-cage connection	[mm]	10			
Screw thread		M3			
Tightening torque	[Nm]	0.6 - 0.8			
Insulating material		PA			
Inflammability class acc. to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		Gray	**STU 2,5-TWIN**		**3033016**	50
		Blue	**STU 2,5-TWIN BU**		**3033029**	50
Ground terminal block, for mounting on NS 35...		Green-yellow				

Accessories

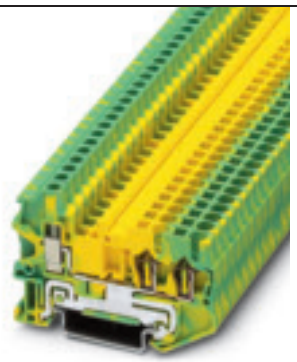
Cover, width 2.2 mm		Gray	**D-STU 2,5-TWIN**		**3033045**	50
Insulation stop sleeve, cross-section range:						
0.08 - 0.2 mm²		White	**ISH 2,5/0,2**		**3002843**	50
0.25 - 0.5 mm²		Gray	**ISH 2,5/0,5**		**3002856**	50
0.75 - 1 mm²		Black	**ISH 2,5/1,0**		**3002869**	50
Plug-in bridge for cross connections in the bridge shaft						
	2	Red	**FBS 2-5**	24 A	**3030161**	50
	3	Red	**FBS 3-5**	24 A	**3030174**	50
	4	Red	**FBS 4-5**	24 A	**3030187**	50
	5	Red	**FBS 5-5**	24 A	**3030190**	50
	10	Red	**FBS 10-5**	24 A	**3030213**	10
	20	Red	**FBS 20-5**	24 A	**3030226**	10
Test plug, consisting of: metal part for 2.3 mm Ø socket hole and			**MPS-MT**		**0201744**	10
insulating sleeve for MPS metal part		Red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		Red	**PS-5**		**3030983**	10
Warning cover, for actuation shafts, 5-pos.		Yellow	**WST 2,5**		**3030941**	50
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10
UniCard sheet, for labeling the center groove			**UC-TM 5 (see page 479)**			
UniCard sheet, flat, for labeling the center and lateral grooves			**UC-TMF 5 (see page 482)**			
Zack markers, for labeling the center groove			**ZB 5 (see page 487)**			
Zack marker strip, flat, for labeling the center and lateral grooves			**ZBF 5 (see page 492)**			



STU 4-TWIN ...

Width	Length	Height NS 35/7,5	
6.2	**74.4**	**42.8**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
38	**800**	**0.08 - 6**	**28 - 10**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800	600	600	-
32 / 4	30 / -	30 / -	-
4	-	-	
28 - 10	28-10	28-10	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.14 - 6	0.14 - 4	0.14 - 4	0.14 - 4
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	- 0.5 - 2.5
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4 0.5 - 1
10			
10			
M3			
0.6 - 0.8			
PA			
V0			

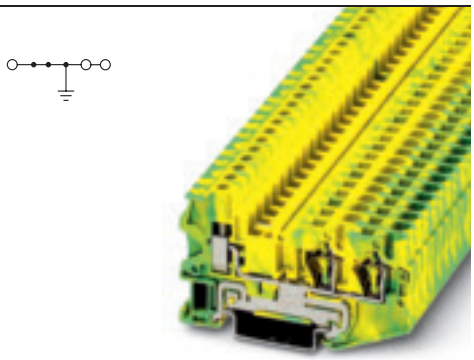
Type	I_{max}	Order No.	Pcs. / Pkt.
STU 4-TWIN		**3033058**	50
STU 4-TWIN BU		**3033061**	50
D-STU 4-TWIN		**3033087**	50
ISH 4/0,5		**3002885**	50
ISH 4/1,0		**3002898**	50
FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 10-6	32 A	**3030271**	10
FBS 20-6	32 A	**3030365**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
WST 4		**3030954**	50
SZF 1-0,6X3,5		**1204517**	10
UC-TM 6 (see page 479)			
UC-TMF 6 (see page 483)			
ZB 6 (see page 487)			
ZBF 6 (see page 493)			



STU 2,5-TWIN-PE

Width	Length	Height NS 35/7,5	
5.2	**65.3**	**42.8**	
		Max. Ø [mm²]	AWG
		0.08 - 4	**28 - 12**
IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	-
2.5	-	-	
28 - 12	28-12	28-12	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
0.14 - 2.5	0.2 - 2.5	0.14 - 1.5	- 0.5 - 1
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5 - 1
9			
10			
M3			
0.6 - 0.8			
PA			
V0			

Type	Order No.	Pcs. / Pkt.
STU 2,5-TWIN-PE	**3033032**	50
D-STU 2,5-TWIN	**3033045**	50
ISH 2,5/0,2	**3002843**	50
ISH 2,5/0,5	**3002856**	50
ISH 2,5/1,0	**3002869**	50
FBS 2-5	**3030161**	50
FBS 3-5	**3030174**	50
FBS 4-5	**3030187**	50
FBS 5-5	**3030190**	50
FBS 10-5	**3030213**	10
FBS 20-5	**3030226**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-5	**3030983**	10
WST 2,5	**3030941**	50
SZF 1-0,6X3,5	**1204517**	10
UC-TM 5 (see page 479)		
UC-TMF 5 (see page 482)		
ZB 5 (see page 487)		
ZBF 5 (see page 492)		



STU 4-TWIN-PE

Width	Length	Height NS 35/7,5	
6.2	**74.4**	**42.8**	
		Max. Ø [mm²]	AWG
		0.08 - 6	**28 - 10**
IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	-
4	-	-	
28 - 10	28-10	28-10	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.14 - 6	0.14 - 4	0.14 - 4	0.14 - 4
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	- 0.5 - 2.5
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4 0.5 - 1
10			
10			
M3			
0.6 - 0.8			
PA			
V0			

Type	Order No.	Pcs. / Pkt.
STU 4-TWIN-PE	**3033074**	50
D-STU 4-TWIN	**3033087**	50
ISH 4/0,5	**3002885**	50
ISH 4/1,0	**3002898**	50
FBS 2-6	**3030336**	50
FBS 3-6	**3030242**	50
FBS 4-6	**3030255**	50
FBS 5-6	**3030349**	50
FBS 10-6	**3030271**	10
FBS 20-6	**3030365**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-6	**3030996**	10
WST 4	**3030954**	50
SZF 1-0,6X3,5	**1204517**	10
UC-TM 6 (see page 479)		
UC-TMF 6 (see page 483)		
ZB 6 (see page 487)		
ZBF 6 (see page 493)		

Hybrid terminal blocks STU ...



For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

More plug-in bridges can be found on page 330.

[1]) The max. load current must not be exceeded by the total current of all connected conductors.

[2]) The reducing bridge table should be followed, see page 332.



STU 10/ 4X2,5 ...

The spring-cage hybrid terminal block STU 10/ 4x2,5 is a space-saving potential distributor that distributes a 10 mm² feed line to four 2.5 mm² connections. In this case, the infeed terminal point is equipped with a 10 mm² screw connection. The system-internal distribution is via four spring-cage connections with a nominal cross-section of 2.5 mm².

The double bridge shaft allows further potential distributions. The entire range of accessories of the CLIPLINE complete modular terminal block system (testing accessories, reducing bridges, marking material) can also be used for this hybrid terminal block.

The fully isolated "pick-off terminal block" enables a voltage drift of up to a nominal voltage of 800 V for the STU 10/... terminal blocks. They can be labeled with a zack marker strip.

Dimensions	Width	Length	Height NS 35/7,5	
[mm]	**10.3**	**68**	**48.3**	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
	60[1])	**800**	**0.08 - 16**	**28 - 6**
Rated data, screw connection	IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	800	-	-	-
Nominal current / cross-section [A] / [mm²]	55[1]) / 10	- / -	- / -	- / -
Rated cross-section [mm²]	10	-	-	-
Cross-section range AWG	20 - 6	-	-	-
Connection capacity, screw connection	Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor [mm²]	0.5 - 16	0.5 - 16	0.5 - 10	0.5 - 10
Two conductors (of the same type) [mm²]	0.5 - 4	0.5 - 4	0.5 - 2.5	-
Two stranded conductors with a TWIN ferrule [mm²]				0.5 - 6
Rated data, spring-cage connection	IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	800	-	-	-
Nominal current / cross-section [A] / [mm²]	24[1]) / 2.5	- / -	- / -	- / -
Rated cross-section [mm²]	10	-	-	-
Cross-section range AWG	28 - 12	-	-	-
Connection capacity, spring-cage connection	Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor [mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule [mm²]				0.5
General data				
Stripping length, screw connection [mm]	10			
Stripping length, spring-cage connection [mm]	10			
Screw thread	M4			
Tightening torque [Nm]	1.5 - 1.8			
Insulating material	PA			
Inflammability class acc. to UL 94	V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		Gray	**STU 10/ 4X2,5**		**3033139**	50
		Blue	**STU 10/ 4X2,5 BU**		**3033142**	50

Accessories

Pick-off terminal block, for snapping into the lateral guide		Gray	**AGK 4-UT 10**		**3047112**	50
Cover, width 2.2 mm		Gray	**D-STU 10/ 4X2,5**		**3033197**	50
Plug-in bridge for cross connections in the bridge shaft						
	2	Red	**FBS 2-5**	24 A	**3030161**	50
	5	Red	**FBS 5-5**	24 A	**3030190**	50
	10	Red	**FBS 10-5**	24 A	**3030213**	10
	20	Red	**FBS 20-5**	24 A	**3030226**	10
Reducing bridge, for connecting from ST to ST terminals[2])						
	2	Red	**RB ST (2,5/4)-1,5**		**3038943**	10
Modular test plug, for the individual assembly of test plug strips		Red	**PS-5**		**3030983**	10
Warning cover, for actuation shafts, 5-pos.		Yellow	**WST 2,5**		**3030941**	50
Screwdriver			**SZF 2-0,8X4,0**		**1204520**	10
UniCard sheet, for labeling the center groove			**UC-TM 10 (see page 480)**			
UniCard sheet, flat, for labeling the center and lateral grooves			**UC-TMF 5 (see page 482)**			
Zack markers, for labeling the center groove			**ZB 10 (see page 489)**			
Zack marker strip, flat, for labeling the center and lateral grooves			**ZBF 10 (see page 494)**			



Hybrid terminal blocks STU ...



For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

More plug-in bridges can be found on page 330.

1) The max. load current must not be exceeded by the total current of all connected conductors.

2) The reducing bridge table should be followed, see page 332.



STU 35/ 4X10 ...

The spring-cage hybrid terminal block STU 35/ 4x10 is used to subdivide a 35 mm² feed line into four 10 mm² connections. The feed is via a 35 mm² screw connection. The system-internal distribution is possible via four spring-cage connections with a conductor cross-section of up to 10 mm². Due to its compact design, the STU 35/ 4x10 is the perfect potential distributor for power distribution in buildings.

The double bridge shaft allows further potential distributions. The entire range of accessories of the CLIPLINE complete modular terminal block system can also be used for this potential distributor.

The fully isolated "pick-off terminal block" enables a voltage drift of up to a nominal voltage of 800 V for the STU 35/... terminal blocks. They can be labeled with a zack marker strip.

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**16.2**	**86**	**46.8**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		125[1])	**800**	**0.2 - 50**	**24 - 1/0**
Rated data, screw connection		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	800	-	-	-
Nominal current / cross-section	[A] / [mm²]	125[1]) / 35	- / -	- / -	- / -
Rated cross-section	[mm²]	35	-	-	-
Cross-section range	AWG	16 - 1/0	-	-	-
Connection capacity, screw connection		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	1.5 - 50	1.5 - 35	1.5 - 35	1.5 - 35
Two conductors (of the same type)	[mm²]	1.5 - 16	1.5 - 10	1.5 - 10	-
Two stranded conductors with a TWIN ferrule	[mm²]				1.5 - 10
Rated data, spring-cage connection		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	800	-	-	-
Nominal current / cross-section	[A] / [mm²]	41[1]) / 6	- / -	- / -	- / -
Rated cross-section	[mm²]	35	-	-	-
Cross-section range	AWG	24 - 8	-	-	-
Connection capacity spring-cage connection		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.2 - 10	0.2 - 6	0.25 - 6	0.25 - 6
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1.5
General data					
Stripping length Screw connection	[mm]	18			
Stripping length Spring-cage connection	[mm]	12			
Screw thread		M6			
Tightening torque	[Nm]	3.2 - 3.7			
Insulating material		PA			
Inflammability class acc. to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		Gray	**STU 35/ 4X10**		**3033126**	25
		Blue	**STU 35/ 4X10 BU**		**3033210**	25

Accessories

Pick-off terminal block, when wiring the pick-off with a smaller cross-section, observe the overload and short-circuit resistances specified in VDE 0100-430.		Gray	**AGK 4-UT 35**		**3047138**	50
Plug-in bridge for cross connections in the bridge shaft						
	2	Red	**FBS 2-8**	41 A	**3030284**	10
	5	Red	**FBS 5-8**	41 A	**3030310**	10
Reducing bridge, for connecting from ST to ST, PIT or QTC terminal blocks[2])						
	2	Red	**RB ST 6-(2,5/4)**		**3030860**	10
Test plug, consisting of: metal part for 2.3 mm Ø socket hole and			**MPS-MT**		**0201744**	10
insulating sleeve for MPS metal part		Red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		Red	**PS-8**		**3031005**	10
Screwdriver			**SZF 3-1,0X5,5**		**1206612**	10
UniCard sheet, for labeling the center and side grooves			**UC-TM 16 (see page 481)**			
Zack marker strips for labeling the center and side grooves			**ZB 16 (see page 491)**			

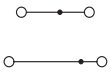


Multi-level hybrid terminal blocks PITTB ...

As compared to the single-level terminal blocks, the STTBU 4 double-level terminal block with 4 mm² screw and spring-cage connection reduces the space requirement by 50%. The advantages of the different connection methods are that the spring-cage connection is used on the internal control cabinet side and the universal screw connection is used on the end customer side.

The STTBU 4 terminal blocks can be jumpered on both levels with the plug-in bridge system FBS in order to implement the various circuit-related tasks. Labeling options are provided on each terminal point.

The STTBU 4-PV terminal block serves as a potential distributor; the upper and the lower levels are interconnected here. A ground terminal block with the same shape rounds off the product range.





STTBU 4 ...

Current carrying capacity of DIN rails, see page 728.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

1) The max. load current must not be exceeded by the total current of all connected conductors.

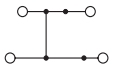
Dimensions					
	[mm]	Width	Length	Height NS 35/7,5	
		6.2	**81**	**55.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		36	**500**	**0.08 - 6**	**28 - 10**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	-	-	-
Nominal current / cross-section	[A] / [mm²]	30 / 4	- / -	- / -	- / -
Rated cross-section	[mm²]	4	-	-	-
Cross-section range	AWG	26 - 10	-	-	-
Connection capacity, screw connection		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
Two conductors (of the same type)	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 2.5
Connection capacity, spring-cage connection		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1
General data					
Stripping length, screw connection	[mm]	10			
Stripping length, spring-cage connection	[mm]	10			
Screw thread		M3			
Tightening torque	[Nm]	0.6 - 0.8			
Insulating material		PA			
Inflammability class acc. to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		Gray	**STTBU 4**		**3033155**	50
		Blue	**STTBU 4 BU**		**3033168**	50
Terminal block, with equipotential bonder, for mounting on NS 35...		Gray				
Ground terminal block, for mounting on NS 35...		Green-yellow				

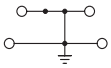
Accessories

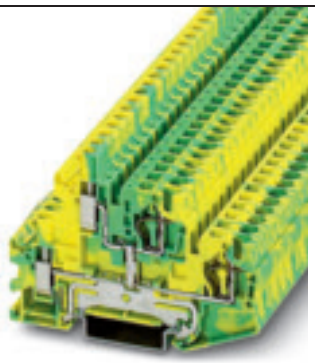
Cover, width 2.2 mm		Gray	**D-STTBU 4**		**3033207**	50
Plug-in bridge for cross connections in the bridge shaft						
	2	Red	**FBS 2-6**	26 A	**3030336**	50
	3	Red	**FBS 3-6**	26 A	**3030242**	50
	4	Red	**FBS 4-6**	26 A	**3030255**	50
	5	Red	**FBS 5-6**	26 A	**3030349**	50
	10	Red	**FBS 10-6**	26 A	**3030271**	10
	20	Red	**FBS 20-6**	26 A	**3030365**	10
Partition plate, for visual and electrical separation of terminal groups, 2 mm thick		Gray	**ATP-STTB 4**		**3030747**	50
Double marker carrier, can be snapped into the double-level terminal blocks STTB 2,5, PITTB 2,5 can be labeled with UC-TM 5, ZB 5 or UC-TMF 5, ZBF 5		Gray	**STP 5-2**		**0800967**	100
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10
UniCard sheet, for labeling the center groove			**UC-TM 6 (see page 479)**			
UniCard sheet, flat, for labeling the center and lateral grooves			**UC-TMF 6 (see page 483)**			
Zack markers, for labeling the center groove			**ZB 6 (see page 487)**			
Zack marker strip, flat, for labeling the center and lateral grooves			**ZBF 6 (see page 493)**			





STTBU 4-PV





STTBU 4-PE

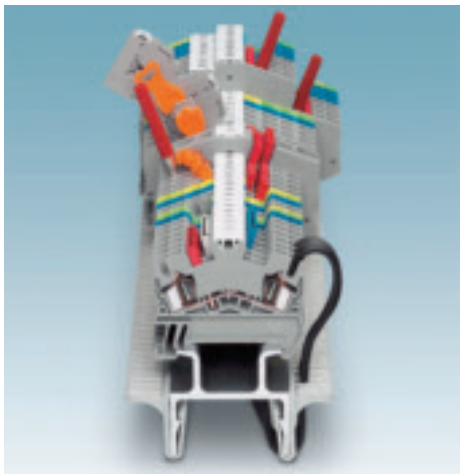
Width	Length	Height NS 35/7,5	
6.2	**81**	**55.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
36[1])	**500**	**0.08 - 6**	**28 - 10**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	-	-	-
30 / 4	- / -	- / -	- / -
4	-	-	-
26 - 10	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	- 0.5 - 2.5
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4 0.5 - 1
10			
10			
M3			
0.6 - 0.8			
PA			
V0			

Width	Length	Height NS 35/7,5	
6.2	**81**	**55.5**	
		Max. Ø [mm²]	AWG
		0.08 - 6	**28 - 10**
IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	- / -
4	-	-	-
26 - 10	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	- 0.5 - 2.5
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4 0.5 - 1
10			
10			
M3			
0.6 - 0.8			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
STTBU 4-PV		**3033184**	50
D-STTBU 4		**3033207**	50
FBS 2-6	26 A	**3030336**	50
FBS 3-6	26 A	**3030242**	50
FBS 4-6	26 A	**3030255**	50
FBS 5-6	26 A	**3030349**	50
FBS 10-6	26 A	**3030271**	10
FBS 20-6	26 A	**3030365**	10
ATP-STTB 4		**3030747**	50
STP 5-2		**0800967**	100
SZF 1-0,6X3,5		**1204517**	10
UC-TM 6 (see page 479)			
UC-TMF 6 (see page 483)			
ZB 6 (see page 487)			
ZBF 6 (see page 493)			

Type	I_{max}	Order No.	Pcs. / Pkt.
STTBU 4-PE		**3033171**	50
D-STTBU 4		**3033207**	50
FBS 2-6		**3030336**	50
FBS 3-6		**3030242**	50
FBS 4-6		**3030255**	50
FBS 5-6		**3030349**	50
FBS 10-6		**3030271**	10
FBS 20-6		**3030365**	10
ATP-STTB 4		**3030747**	50
STP 5-2		**0800967**	100
SZF 1-0,6X3,5		**1204517**	10
UC-TM 6 (see page 479)			
UC-TMF 6 (see page 483)			
ZB 6 (see page 487)			
ZBF 6 (see page 493)			

Feed-through terminal blocks
ST-DESK



The ST-DESK series of spring-cage terminal blocks features an angled conductor entry. This family of compact terminal blocks is used especially in wiring systems where space is to be saved using underfloor wiring.

The STS... feed-through terminal blocks are available in the cross-section ranges 2.5 mm², 4 mm² and 6 mm². The STS 2,5 and STS 4 have four bridge shafts as a standard feature that allow a multitude of potential bridging possibilities as well as the use of the comprehensive accessories.

Ground terminal blocks with the same shape as the ST-DESK product family which fulfill all requirements in acc. with IEC 60947-7-2 can be supplied.



For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) For information on installation for using accessories for Ex e applications, see page 720.

[2]) The reducing bridge table should be followed, see page 332.



STS 2,5 ...

Ex: PTB 07ATEX1027U / IECEx PTB 07.0024U

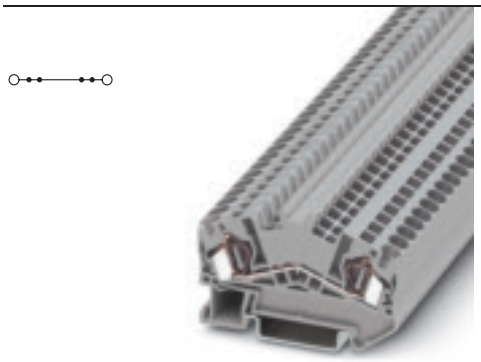
Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		5.2	**49**	**43**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²] / AWG
		31	**800**	**0.08 - 4 / 28 - 12**
Rated data		IEC 60947-7-1		
		IEC	UL / CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	800	600	600 / 550
Nominal current / cross-section	[A] / [mm²]	24 / 2.5	20 / -	20 / - / 20.5 / 2.5 // 26.5 / 4
Rated cross-section	[mm²]	2.5	-	- / 2.5
Cross-section range	AWG	28 - 12	28-12	28-12 / 28 - 12
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve
One conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5 / 0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]			0.5
General data				
Stripping length	[mm]	10		
Insulating material		PA		
Inflammability class acc. to UL 94		V0		

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Spring-cage terminal block, for mounting on NS 35...		Gray	**STS 2,5**		**3036398**	50
		Blue	**STS 2,5 BU**		**3036408**	50
		Orange	**STS 2,5 OG**		**3037478**	50
		Red	**STS 2,5 RD**		**3037601**	50

Accessories[1])

Cover, width 2.2 mm		Gray	**D-STS 2,5**		**3031762**	50
Insulation stop sleeve, cross-section range:						
0.08 - 0.2 mm²		White	**ISH 2,5/0,2**		**3002843**	50
0.25 - 0.5 mm²		Gray	**ISH 2,5/0,5**		**3002856**	50
0.75 - 1 mm²		Black	**ISH 2,5/1,0**		**3002869**	50
Plug-in bridge for cross connections in the bridge shaft						
	2	Red	**FBS 2-5**	24 A	**3030161**	50
	3	Red	**FBS 3-5**	24 A	**3030174**	50
	4	Red	**FBS 4-5**	24 A	**3030187**	50
	5	Red	**FBS 5-5**	24 A	**3030190**	50
	10	Red	**FBS 10-5**	24 A	**3030213**	10
	20	Red	**FBS 20-5**	24 A	**3030226**	10
Reducing bridge, for connecting from ST to ST, PIT or QTC terminal blocks[2])						
	2	Red				
Partition plate, for visual and electrical separation of terminal groups, 2 mm thick		Gray	**ATP-QTC**		**3206209**	50
Test adapter, for 4 mm Ø PS test plug and 4 mm safety test plug, makes contact in the bridge shaft		Gray	**PAI-4**		**3030925**	10
Test plug, consisting of: metal part for 2.3 mm Ø socket hole and			**MPS-MT**		**0201744**	10
insulating sleeve for MPS metal part		Red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		Red	**PS-5**		**3030983**	10
Warning cover, for actuation shafts, 5-pos.		Yellow	**WST 2,5**		**3030941**	50
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10
UniCard sheet, for labeling the center groove			**UC-TM 5 (see page 479)**			
Zack marker strip, for labeling the lateral groove			**ZB 5 (see page 487)**			



STS 4 ...

Ex: PTB
PTB 07ATEX1027U / IECEx PTB 07.0024U

Width	Length	Height NS 35/7,5	
6.2	**64.5**	**43**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
38	**800**	**0.08 - 6**	**28 - 10**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800	600	600	550
32 / 4	30 / -	30 / -	28.5 / 4 // 34.5 / 6
4	-	-	4
28 - 10	28-10	28-10	28 - 10
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4 0.5 - 1
10			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
STS 4		**3036424**	50
STS 4 BU		**3036437**	50
STS 4 OG		**3037481**	50
STS 4 RD		**3037494**	50
D-STS 4		**3031704**	50
ISH 4/0,5		**3002885**	50
ISH 4/1,0		**3002898**	50
FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 10-6	32 A	**3030271**	10
FBS 20-6	32 A	**3030365**	10
ATP-ST 6		**3024481**	50
PAI-4		**3030925**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
WST 4		**3030954**	50
SZF 1-0,6X3,5		**1204517**	10
UC-TM 6 (see page 479)			
ZB 6 (see page 487)			



STS 6 ...

Width	Length	Height NS 35/7,5	
8.2	**58**	**50**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
57	**800**	**0.2 - 10**	**24 - 8**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800	600	600	-
41 / 6	50 / -	50 / -	-
6	-	-	-
24 - 8	24-8	24-8	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 10	0.2 - 6	0.25 - 6	0.25 - 6 0.25 - 1.5
12			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
STS 6		**3038121**	50
STS 6 BU		**3038134**	50
D-STS 6		**3038189**	50
FBS 2-8	41 A	**3030284**	10
FBS 3-8	41 A	**3030297**	10
FBS 4-8	41 A	**3030307**	10
FBS 5-8	41 A	**3030310**	10
FBS 10-8	41 A	**3030323**	10
RB ST 6-(2,5/4)		**3030860**	10
ATP-ST 6		**3024481**	50
PAI-4		**3030925**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-8		**3031005**	10
SZF 2-0,8X4,0		**1204520**	10
UC-TM 8 (see page 479)			
ZB 8 (see page 489)			

Ground terminal blocks ST-DESK

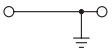


Ground terminal blocks with the same shape are also available for the feed-through terminal blocks of the ST-DESK range of spring-cage terminal blocks. Contact to the DIN rail is ensured by simply snapping the terminal block onto the rail. All requirements of IEC 60947-7-2 are thereby met.

Current carrying capacity of DIN rails, see page 728.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) For information on installation for using accessories for Ex e applications, see page 720.





STS 2,5-PE

Ex: PTB

PTB 07ATEX1027U / IECEx PTB 07.0024U

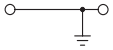
Dimensions				
	Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**49**	**43**
Max. electrical data				
			Max. Ø [mm²]	AWG
			0.08 - 4	**28 - 12**
Rated data	IEC 60947-7-2 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	-	-	-	-
Nominal current / cross-section	[A] / [mm²]	- / -	- / -	- / -	- / 2.5
Rated cross-section	[mm²]	2.5	-	-	2.5
Cross-section range	AWG	28 - 12	28-12	28-12	28 - 12
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]				0.5
General data					
Stripping length	[mm]	10			
Insulating material		PA			
Inflammability class acc. to UL 94		V0			

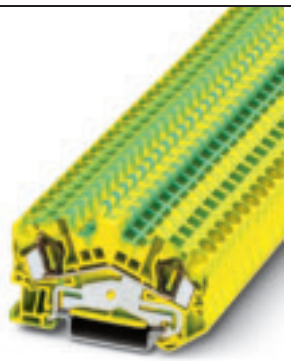
Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.
Spring-cage ground terminal block, for mounting on NS 35...		Green-yellow	**STS 2,5-PE**	**3036411**	50

Accessories[1])

Cover, width 2.2 mm		Gray	**D-STS 2,5**	**3031762**	50
Insulation stop sleeve, cross-section range:					
0.08 - 0.2 mm²		White	**ISH 2,5/0,2**	**3002843**	50
0.25 - 0.5 mm²		Gray	**ISH 2,5/0,5**	**3002856**	50
0.75 - 1 mm²		Black	**ISH 2,5/1,0**	**3002869**	50
Plug-in bridge for cross connections in the bridge shaft					
	2	Red			
	3	Red			
	4	Red			
	5	Red			
	10	Red			
Partition plate, for visual and electrical separation of terminal groups, 2 mm thick		Gray	**ATP-QTC**	**3206209**	50
Test adapter, for 4 mm Ø PS test plug and 4 mm safety test plug, makes contact in the bridge shaft		Gray			
Test plug, consisting of: metal part for 2.3 mm Ø socket hole and					
insulating sleeve for MPS metal part		Red			
Modular test plug, for the individual assembly of test plug strips		Red			
Warning cover, for actuation shafts, 5-pos.		Yellow	**WST 2,5**	**3030941**	50
Screwdriver			**SZF 1-0,6X3,5**	**1204517**	10
UniCard sheet, for labeling the center groove			**UC-TM 5 (see page 479)**		
Zack markers, for labeling the center groove			**ZB 5 (see page 487)**		



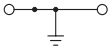


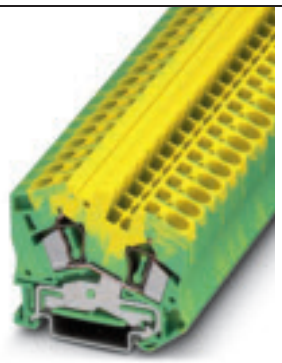
STS 4-PE

Ex: PTB
PTB 07ATEX1027U / IECEx PTB 07.0024U

Width	Length	Height NS 35/7,5	
6.2	**64.5**	**43**	
		Max. Ø [mm²]	AWG
		0.08 - 6	**28 - 10**
IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	- / 4
4	-	-	4
28 - 10	28-10	28-10	28 - 10
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4 0.5 - 1
10			
PA			
V0			

Type	Order No.	Pcs. / Pkt.
STS 4-PE	**3036440**	50
D-STS 4	**3031704**	50
ISH 4/0,5	**3002885**	50
ISH 4/1,0	**3002898**	50
ATP-ST 6	**3024481**	50
WST 4	**3030954**	50
SZF 1-0,6X3,5	**1204517**	10
UC-TM 6 (see page 479)		
ZB 6 (see page 487)		



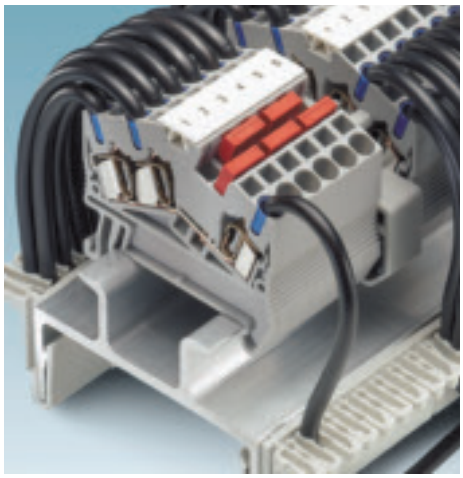


STS 6-PE

Width	Length	Height NS 35/7,5	
8.2	**58**	**50**	
		Max. Ø [mm²]	AWG
		0.2 - 10	**24 - 8**
IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	-
6	-	-	-
24 - 8	24-8	24-8	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 10	0.2 - 6	0.25 - 6	0.25 - 6 0.25 - 1.5
12			
PA			
V0			

Type	Order No.	Pcs. / Pkt.
STS 6-PE	**3038147**	50
D-STS 6	**3038189**	50
FBS 2-8	**3030284**	10
FBS 3-8	**3030297**	10
FBS 4-8	**3030307**	10
FBS 5-8	**3030310**	10
FBS 10-8	**3030323**	10
ATP-ST 6	**3024481**	50
PAI-4	**3030925**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-8	**3031005**	10
SZF 2-0,8X4,0	**1204520**	10
UC-TM 8 (see page 479)		
ZB 8 (see page 489)		

Multi-conductor terminal blocks
ST-DESK





STS 2,5-TWIN ...

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) The max. load current must not be exceeded by the total current of all connected conductors.

[2]) For information on installation for using accessories for Ex e applications, see page 720.

[3]) The reducing bridge table should be followed, see page 332.

The STS-TWIN three-conductor spring-cage terminal blocks are the same shape as the STS feed-through terminal blocks. The universal plug-in bridge system also allows cross-connections to neighboring STS feed-through terminal blocks .

STS...-TWIN are available with nominal cross-sections of 2.5 mm² to 6 mm² .

The **STS 4-TWIN/L** variant minimizes the space requirements with the help of the compact snap-on foot.

Ex: PTB

PTB 07ATEX1027U / IECEx PTB 07.0024U

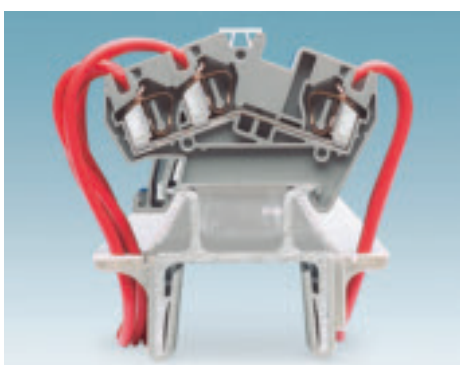
Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		5.2	**51**	**43**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²] / AWG
		28[1])	**800**	**0.08 - 4 / 28 - 12**
Rated data		IEC 60947-7-1		
		IEC	UL / CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	800	600	600 / 550
Nominal current / cross-section	[A] / [mm²]	24[1]) / 2.5	20 / -	20 / - / 21 / 2.5 // 25.5 / 4
Rated cross-section	[mm²]	2.5	-	- / 2.5
Cross-section range	AWG	28 - 12	28-12	28-12 / 28 - 12
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve
One conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5 / 0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]			0.5
General data				
Stripping length	[mm]	10		
Insulating material		PA		
Inflammability class acc. to UL 94		V0		

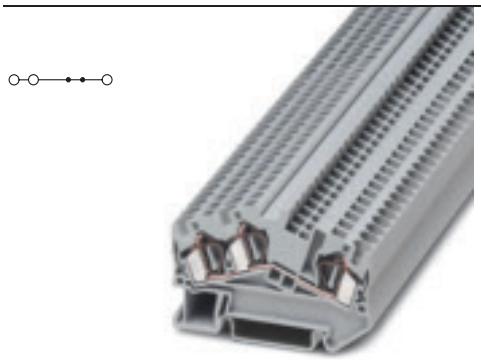
Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Spring-cage terminal block, for mounting on NS 35...		Gray	**STS 2,5-TWIN**		**3031720**	50
		Blue	**STS 2,5-TWIN BU**		**3036275**	50
		Orange	**STS 2,5-TWIN OG**		**3037504**	50
		Red	**STS 2,5-TWIN RD**		**3037517**	50

Accessories[2])

Cover, width 2.2 mm		Gray	**D-STS 2,5**		**3031762**	50
Insulation stop sleeve, cross-section range:						
0.08 - 0.2 mm²		White	**ISH 2,5/0,2**		**3002843**	50
0.25 - 0.5 mm²		Gray	**ISH 2,5/0,5**		**3002856**	50
0.75 - 1 mm²		Black	**ISH 2,5/1,0**		**3002869**	50
Plug-in bridge for cross connections in the bridge shaft						
	2	Red	**FBS 2-5**	24 A	**3030161**	50
	3	Red	**FBS 3-5**	24 A	**3030174**	50
	4	Red	**FBS 4-5**	24 A	**3030187**	50
	5	Red	**FBS 5-5**	24 A	**3030190**	50
	10	Red	**FBS 10-5**	24 A	**3030213**	10
	20	Red	**FBS 20-5**	24 A	**3030226**	10
Reducing bridge, for connecting from ST to ST, PIT or QTC terminal blocks[3])						
	2	Red				
Partition plate, for visual and electrical separation of terminal groups, 2 mm thick		Gray	**ATP-QTC**		**3206209**	50
Test adapter, for 4 mm Ø PS test plug and 4 mm safety test plug, makes contact in the bridge shaft		Gray	**PAI-4**		**3030925**	10
Test plug, consisting of: metal part for 2.3 mm Ø socket hole and			**MPS-MT**		**0201744**	10
insulating sleeve for MPS metal part		Red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		Red	**PS-5**		**3030983**	10
Warning cover, for actuation shafts, 5-pos.		Yellow	**WST 2,5**		**3030941**	50
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10
UniCard sheet, for labeling the center groove			**UC-TM 5 (see page 479)**			
Zack markers, for labeling the center groove			**ZB 5 (see page 487)**			



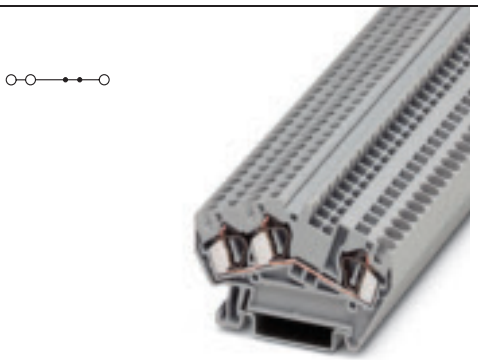


STS 4-TWIN ...

Ex: PTB
PTB 07ATEX1027U / IECEx PTB 07.0024U

Width	Length	Height NS 35/7,5	
6.2	**64.5**	**43**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
38[1])	**800**	**0.08 - 6**	**28 - 10**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800	600	600	550
32[1]) / 4	30 / -	30 / -	30 / 4 // 33 / 6
4	-	-	4
28 - 10	28-10	28-10	28 - 10
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4 0.5 - 1
10			
PA			
V0			

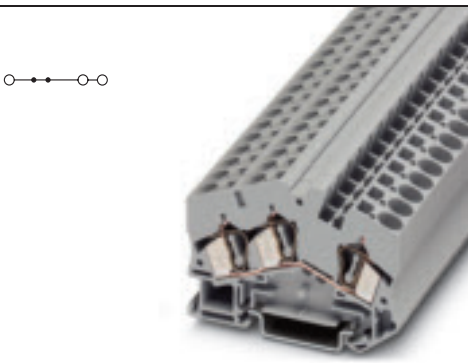
Type	I_{max}	Order No.	Pcs. / Pkt.
STS 4-TWIN		**3031665**	50
STS 4-TWIN BU		**3036291**	50
STS 4-TWIN OG		**3037533**	50
STS 4-TWIN RD		**3037520**	50
D-STS 4		**3031704**	50
ISH 4/0,5		**3002885**	50
ISH 4/1,0		**3002898**	50
FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 10-6	32 A	**3030271**	10
FBS 20-6	32 A	**3030365**	10
ATP-ST 6		**3024481**	50
PAI-4		**3030925**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
WST 4		**3030954**	50
SZF 1-0,6X3,5		**1204517**	10
UC-TM 6 (see page 479)			
ZB 6 (see page 487)			



STS 4-TWIN/L ...

Width	Length	Height NS 35/7,5	
6.2	**64.6**	**43**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
38[1])	**800**	**0.08 - 6**	**28 - 10**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800	-	-	-
32[1]) / 4	- / -	- / -	-
4	-	-	-
28 - 10	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4 0.5 - 1
10			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
STS 4-TWIN/L		**3036592**	50
STS 4-TWIN/L BU		**3036589**	50
D-STS 4-TWIN/L		**3036770**	50
ISH 4/0,5		**3002885**	50
ISH 4/1,0		**3002898**	50
FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 10-6	32 A	**3030271**	10
FBS 20-6	32 A	**3030365**	10
ATP-ST 6		**3024481**	50
PAI-4		**3030925**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
WST 4		**3030954**	50
SZF 1-0,6X3,5		**1204517**	10
UC-TM 6 (see page 479)			
ZB 6 (see page 487)			



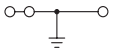
STS 6-TWIN ...

Width	Length	Height NS 35/7,5	
8.2	**70**	**50**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
57[1])	**800**	**0.2 - 10**	**24 - 8**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800	600	600	-
41[1]) / 6	50 / -	50 / -	-
6	-	-	-
24 - 8	24-8	24-8	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 10	0.2 - 6	0.25 - 6	0.25 - 6 0.25 - 1.5
12			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
STS 6-TWIN		**3038150**	50
STS 6-TWIN BU		**3038163**	50
D-STS 6-TWIN		**3038202**	50
FBS 2-8	41 A	**3030284**	10
FBS 3-8	41 A	**3030297**	10
FBS 4-8	41 A	**3030307**	10
FBS 5-8	41 A	**3030310**	10
FBS 10-8	41 A	**3030323**	10
RB ST 6-(2,5/4)		**3030860**	10
ATP-ST 6		**3024481**	50
PAI-4		**3030925**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-8		**3031005**	10
SZF 2-0,8X4,0		**1204520**	10
UC-TM 8 (see page 479)			
ZB 8 (see page 489)			

Multi-conductor terminal blocks
ST-DESK

Ground terminal blocks with the same shape are also available for the three-conductor terminal blocks of the ST-DESK range of spring-cage terminal blocks. Perfect mechanical and electrical contacting with the DIN rail is ensured by simply snapping the terminal blocks on.





STS 2,5-TWIN-PE

Current carrying capacity of DIN rails, see page 728.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) For information on installation for using accessories for Ex e applications, see page 720.

Ex: PTB 07ATEX1027U / IECEx PTB 07.0024U

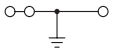
Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**51**	**43**	
Max. electrical data				Max. Ø [mm²]	AWG
				0.08 - 4	**28 - 12**
Rated data		IEC 60947-7-2 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	-	-	-	-
Nominal current / cross-section	[A] / [mm²]	- / -	- / -	- / -	- / 2.5
Rated cross-section	[mm²]	2.5	-	-	2.5
Cross-section range	AWG	28 - 12	28-12	28-12	28 - 12
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]				0.5
General data					
Stripping length	[mm]	10			
Insulating material		PA			
Inflammability class acc. to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.
Spring-cage ground terminal block, for mounting on NS 35...		Green-yellow	**STS 2,5-TWIN-PE**	**3031733**	50

Accessories[1])

Cover, width 2.2 mm		Gray	**D-STS 2,5**	**3031762**	50
Insulation stop sleeve, cross-section range:					
0.08 - 0.2 mm²		White	**ISH 2,5/0,2**	**3002843**	50
0.25 - 0.5 mm²		Gray	**ISH 2,5/0,5**	**3002856**	50
0.75 - 1 mm²		Black	**ISH 2,5/1,0**	**3002869**	50
Plug-in bridge for cross connections in the bridge shaft					
	2	Red			
	3	Red			
	4	Red			
	5	Red			
	10	Red			
Partition plate, for visual and electrical separation of terminal groups, 2 mm thick		Gray	**ATP-QTC**	**3206209**	50
Test adapter, for 4 mm Ø PS test plug and 4 mm safety test plug, makes contact in the bridge shaft		Gray			
Test plug, consisting of: metal part for 2.3 mm Ø socket hole and					
insulating sleeve for MPS metal part		Red			
Modular test plug, for the individual assembly of test plug strips		Red			
Warning cover, for actuation shafts, 5-pos.		Yellow	**WST 2,5**	**3030941**	50
Screwdriver			**SZF 1-0,6X3,5**	**1204517**	10
UniCard sheet, for labeling the center groove			**UC-TM 5 (see page 479)**		
Zack markers, for labeling the center groove			**ZB 5 (see page 487)**		



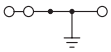


STS 4-TWIN-PE

Ex: PTB
PTB 07ATEX1027U / IECEx PTB 07.0024U

Width	Length	Height NS 35/7,5	
6.2	**64.5**	**43**	
		Max. Ø [mm²]	AWG
		0.08 - 6	**28 - 10**
IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	- / 4
4	-	-	4
28 - 10	28-10	28-10	28 - 10
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4 0.5 - 1
10			
PA			
V0			

Type	Order No.	Pcs. / Pkt.
STS 4-TWIN-PE	**3031678**	50
D-STS 4	**3031704**	50
ISH 4/0,5	**3002885**	50
ISH 4/1,0	**3002898**	50
ATP-ST 6	**3024481**	50
WST 4	**3030954**	50
SZF 1-0,6X3,5	**1204517**	10
UC-TM 6 (see page 479)		
ZB 6 (see page 487)		





STS 6-TWIN-PE

Width	Length	Height NS 35/7,5	
8.2	**70**	**50**	
		Max. Ø [mm²]	AWG
		0.2 - 10	**24 - 8**
IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	-
6	-	-	-
24 - 8	24-8	24-8	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 10	0.2 - 6	0.25 - 6	0.25 - 6 0.25 - 1.5
12			
PA			
V0			

Type	Order No.	Pcs. / Pkt.
STS 6-TWIN-PE	**3038176**	50
D-STS 6-TWIN	**3038202**	50
FBS 2-8	**3030284**	10
FBS 3-8	**3030297**	10
FBS 4-8	**3030307**	10
FBS 5-8	**3030310**	10
FBS 10-8	**3030323**	10
ATP-ST 6	**3024481**	50
PAI-4	**3030925**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-8	**3031005**	10
SZF 2-0,8X4,0	**1204520**	10
UC-TM 8 (see page 479)		
ZB 8 (see page 489)		

Four-conductor terminal blocks
ST-DESK



These compact four-conductor terminal blocks are the same shape as the feed-though and three-conductor terminal blocks with the same cross-section.

The STS...QUATTRO-PE ground terminal blocks with the same shape make contact by simply snapping onto the DIN rail.

Current carrying capacity of DIN rails, see page 728.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

1) The max. load current must not be exceeded by the total current of all connected conductors.

2) For information on installation for using accessories for Ex e applications, see page 720.



STS 2,5-QUATTRO ...

Ex: PTB 07ATEX1027U / IECEx PTB 07.0024U

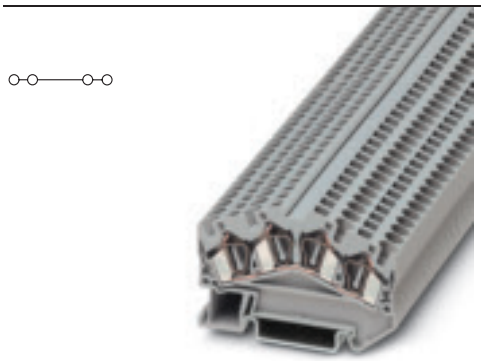
Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**51**	**43**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		28[1])	**800**	**0.08 - 4**	**28 - 12**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	800	600	600	550
Nominal current / cross-section	[A] / [mm²]	24[1]) / 2.5	20 / -	20 / -	20.5 / 2.5 // 25 / 4
Rated cross-section	[mm²]	2.5	-	-	2.5
Cross-section range	AWG	28 - 12	28-12	28-12	28 - 12
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]				0.5
General data					
Stripping length	[mm]	10			
Insulating material		PA			
Inflammability class acc. to UL 94		V0			

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Spring-cage terminal block, for mounting on NS 35...	Gray	**STS 2,5-QUATTRO**	**3031746**	50
	Blue	**STS 2,5-QUATTRO BU**	**3036288**	50
	Orange	**STS 2,5-QUATTRO OG**	**3037575**	50
	Red	**STS 2,5-QUATTRO RD**	**3037562**	50
Spring-cage ground terminal block, for mounting on NS 35...	Green-yellow			

Accessories[2])

Cover, width 2.2 mm	Gray	**D-STS 2,5**	**3031762**	50
Insulation stop sleeve, cross-section range:				
0.08 - 0.2 mm²	White	**ISH 2,5/0,2**	**3002843**	50
0.25 - 0.5 mm²	Gray	**ISH 2,5/0,5**	**3002856**	50
0.75 - 1 mm²	Black	**ISH 2,5/1,0**	**3002869**	50
Partition plate, for visual and electrical separation of terminal groups, 2 mm thick	Gray	**ATP-QTC**	**3206209**	50
Warning cover, for actuation shafts, 5-pos.	Yellow	**WST 2,5**	**3030941**	50
Screwdriver		**SZF 1-0,6X3,5**	**1204517**	10
UniCard sheet, for labeling the center groove		**UC-TM 5 (see page 479)**		
Zack markers, for labeling the center groove		**ZB 5 (see page 487)**		

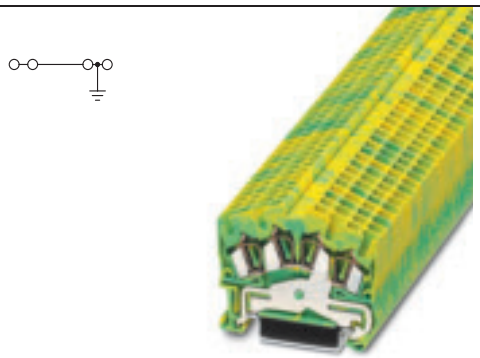


STS 4-QUATTRO ...

Ex: PTB
PTB 07ATEX1027U / IECEx PTB 07.0024U

Width	Length	Height NS 35/7,5	
6.2	**64.5**	**43**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
38[1])	**800**	**0.08 - 6**	**28 - 10**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800	600	600	550
32[1]) / 4	30 / -	30 / -	28.5 / 4 // 35 / 6
4	-	-	4
28 - 10	28-10	28-10	28 - 10
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4 0.5 - 1
10			
PA			
V0			

Type	Order No.	Pcs. / Pkt.
STS 4-QUATTRO	**3031681**	50
STS 4-QUATTRO BU	**3036301**	50
STS 4-QUATTRO OG	**3037546**	50
STS 4-QUATTRO RD	**3037559**	50
D-STS 4	**3031704**	50
ISH 4/0,5	**3002885**	50
ISH 4/1,0	**3002898**	50
ATP-ST 6	**3024481**	50
WST 4	**3030954**	50
SZF 1-0,6X3,5	**1204517**	10
UC-TM 6 (see page 479)		
ZB 6 (see page 487)		



STS 2,5-QUATTRO-PE

Ex: PTB
PTB 07ATEX1027U / IECEx PTB 07.0024U

Width	Length	Height NS 35/7,5	
5.2	**51**	**43**	
		Max. Ø [mm²]	AWG
		0.08 - 4	**28 - 12**
IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	- / 2.5
2.5	-	-	2.5
28 - 12	28-12	28-12	28 - 12
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
10			
PA			
V0			

Type	Order No.	Pcs. / Pkt.
STS 2,5-QUATTRO-PE	**3031759**	50
D-STS 2,5	**3031762**	50
ISH 2,5/0,2	**3002843**	50
ISH 2,5/0,5	**3002856**	50
ISH 2,5/1,0	**3002869**	50
ATP-QTC	**3206209**	50
WST 2,5	**3030941**	50
SZF 1-0,6X3,5	**1204517**	10
UC-TM 5 (see page 479)		
ZB 5 (see page 487)		



STS 4-QUATTRO-PE

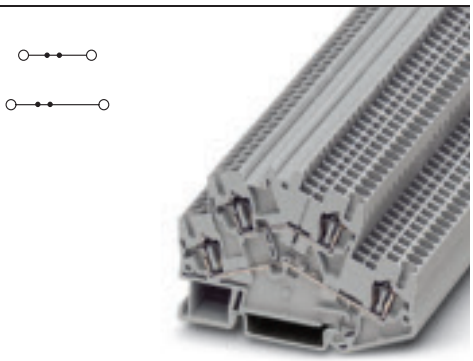
Ex: PTB
PTB 07ATEX1027U / IECEx PTB 07.0024U

Width	Length	Height NS 35/7,5	
6.2	**64.5**	**43**	
		Max. Ø [mm²]	AWG
		0.08 - 6	**28 - 10**
IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	- / 4
4	-	-	4
28 - 10	28-10	28-10	28 - 10
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4 0.5 - 1
10			
PA			
V0			

Type	Order No.	Pcs. / Pkt.
STS 4-QUATTRO-PE	**3031694**	50
D-STS 4	**3031704**	50
ISH 4/0,5	**3002885**	50
ISH 4/1,0	**3002898**	50
ATP-ST 6	**3024481**	50
WST 4	**3030954**	50
SZF 1-0,6X3,5	**1204517**	10
UC-TM 6 (see page 479)		
ZB 6 (see page 487)		

Multi-level terminal blocks ST-DESK





STTBS 2,5 ...

Current carrying capacity of DIN rails, see page 728.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

1) The max. load current must not be exceeded by the total current of all connected conductors.

2) For information on installation for using accessories for Ex e applications, see page 720.

Ex: PTB 07ATEX1027U / IECEx PTB 07.0024U

Dimensions	Width	Length	Height NS 35/7,5	
[mm]	**5.2**	**78**	**55**	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
	26	**500**	**0.08 - 4**	**28 - 12**
Rated data	IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	500	600	300	440
Nominal current / cross-section [A] / [mm²]	22 / 2.5	20 / -	20 / -	19.5 / 2.5 // 23.5 / 4
Rated cross-section [mm²]	2.5	-	-	2.5
Cross-section range AWG	28 - 12	28-12	28-12	28 - 12
Connection capacity	Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor [mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule [mm²]				0.5
General data				
Stripping length [mm]	10			
Insulating material	PA			
Inflammability class acc. to UL 94	V0			

The ST-DESK product range is rounded off by the compact double-level variant STTBS in the nominal cross-sections 2.5 and 4 mm².

The potentials are routed on two levels over a pitch of 5.2 mm and 6.2 mm and reduce space requirements in the control cabinet by a further 50%. Two bridge shafts per level and generously dimensioned labeling options for all terminal points are integrated.

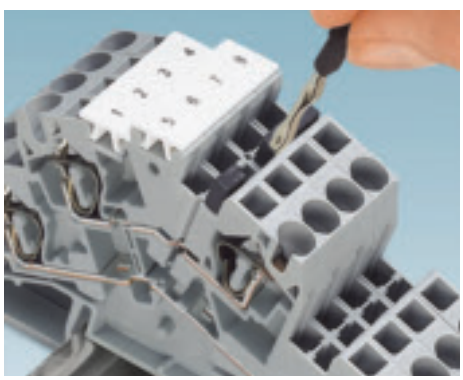
The **FBS-PV** vertical potential bridge offers the option of connecting both the levels of the standard double-level STTBS 2,5 terminal block.

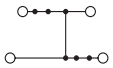
Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Spring-cage terminal block, for mounting on NS 35...		Gray	**STTBS 2,5**		**3038464**	50
		Blue	**STTBS 2,5 BU**		**3038493**	50
Spring-cage terminal block, with potential distribution between the levels, for mounting on NS 35...		Gray				
		Blue				
Spring-cage ground terminal block, for mounting on NS 35...		Green-yellow				

Accessories2)

Cover, width 2.2 mm		Gray	**D-STTBS 2,5**		**3038503**	50
Insulation stop sleeve, cross-section range:						
0.08 - 0.2 mm²		White	**ISH 2,5/0,2**		**3002843**	50
0.25 - 0.5 mm²		Gray	**ISH 2,5/0,5**		**3002856**	50
0.75 - 1 mm²		Black	**ISH 2,5/1,0**		**3002869**	50
Plug-in bridge for cross connections in the bridge shaft						
	2	Red	**FBS 2-5**	22 A	**3030161**	50
	3	Red	**FBS 3-5**	22 A	**3030174**	50
	4	Red	**FBS 4-5**	22 A	**3030187**	50
	5	Red	**FBS 5-5**	22 A	**3030190**	50
	10	Red	**FBS 10-5**	22 A	**3030213**	10
	20	Red	**FBS 20-5**	22 A	**3030226**	10
Vertical potential bridge, to connect the upper and lower level						
		Black	**FBS-PV**		**3032185**	50
Test adapter, for 4 mm Ø PS test plug and 4 mm safety test plug, makes contact in the bridge shaft		Gray	**PAI-4**		**3030925**	10
Test plug, consisting of: metal part for 2.3 mm Ø socket hole and			**MPS-MT**		**0201744**	10
insulating sleeve for MPS metal part		Red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		Red	**PS-5**		**3030983**	10
Warning cover, for actuation shafts, 5-pos.		Yellow	**WST 2,5**		**3030941**	50
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10
UniCard sheet, for labeling the center groove			**UC-TM 5 (see page 479)**			
Zack markers, for labeling the center groove			**ZB 5 (see page 487)**			





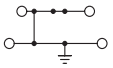


STTBS 2,5-PV ...

Ex: PTB

PTB 07ATEX1027U / IECEx PTB 07.0024U

Width	Length	Height NS 35/7,5	
5.2	**78**	**55**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
26[1])	**500**	**0.08 - 4**	**28 - 12**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	600	300	440
22[1]) / 2.5	20 / -	20 / -	19.5 / 2.5 // 23.5 / 4
2.5	-	-	2.5
28 - 12	28-12	28-12	28 - 12
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
10			
PA			
V0			





STTBS 2,5-PE

Ex: PTB

PTB 07ATEX1027U / IECEx PTB 07.0024U

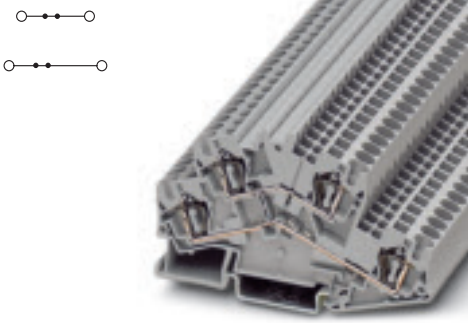
Width	Length	Height NS 35/7,5	
5.2	**78**	**55**	
		Max. Ø [mm²]	AWG
		0.08 - 4	**28 - 12**
IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	- / 2.5
2.5	-	-	2.5
28 - 12	28-12	28-12	28 - 12
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
10			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
STTBS 2,5-PV		**3038477**	50
STTBS 2,5-PV BU		**3035289**	50
D-STTBS 2,5		**3038503**	50
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	22 A	**3030161**	50
FBS 3-5	22 A	**3030174**	50
FBS 4-5	22 A	**3030187**	50
FBS 5-5	22 A	**3030190**	50
FBS 10-5	22 A	**3030213**	10
FBS 20-5	22 A	**3030226**	10
PAI-4		**3030925**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
WST 2,5		**3030941**	50
SZF 1-0,6X3,5		**1204517**	10
UC-TM 5 (see page 479)			
ZB 5 (see page 487)			

Type	Order No.	Pcs. / Pkt.
STTBS 2,5-PE	**3038480**	50
D-STTBS 2,5	**3038503**	50
ISH 2,5/0,2	**3002843**	50
ISH 2,5/0,5	**3002856**	50
ISH 2,5/1,0	**3002869**	50
FBS 2-5	**3030161**	50
FBS 3-5	**3030174**	50
FBS 4-5	**3030187**	50
FBS 5-5	**3030190**	50
FBS 10-5	**3030213**	10
FBS 20-5	**3030226**	10
PAI-4	**3030925**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-5	**3030983**	10
WST 2,5	**3030941**	50
SZF 1-0,6X3,5	**1204517**	10
UC-TM 5 (see page 479)		
ZB 5 (see page 487)		

Multi-level terminal blocks ST-DESK





STTBS 4 ...

Current carrying capacity of DIN rails, see page 728.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) The max. load current must not be exceeded by the total current of all connected conductors.

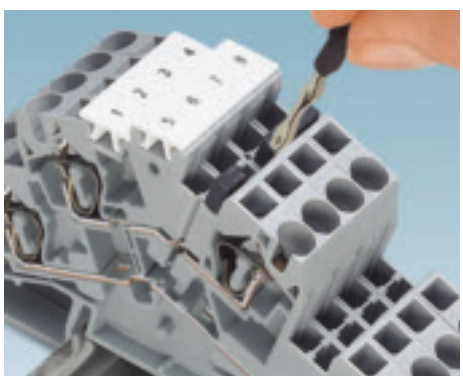
Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**6.2**	**92.4**	**55**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		34	**500**	**0.08 - 6**	**28 - 10**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	-	-	-
Nominal current / cross-section	[A] / [mm²]	28 / 4	- / -	- / -	-
Rated cross-section	[mm²]	4	-	-	-
Cross-section range	AWG	28 - 10	-	-	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1
General data					
Stripping length	[mm]	10			
Insulating material		PA			
Inflammability class acc. to UL 94		V0			

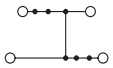
Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Spring-cage terminal block, for mounting on NS 35...		Gray	**STTBS 4**		**3035056**	50
		Blue	**STTBS 4 BU**		**3035069**	50
Spring-cage terminal block, with potential distribution between the levels, for mounting on NS 35...		Gray				
Spring-cage ground terminal block, for mounting on NS 35...		Green-yellow				

Accessories

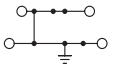
Cover, width 2.2 mm		Gray	**D-STTBS 4**		**3035098**	50
Insulation stop sleeve, cross-section range:						
0.25 - 0.5 mm²		Gray	**ISH 4/0,5**		**3002885**	50
0.75 - 1 mm²		Black	**ISH 4/1,0**		**3002898**	50
Plug-in bridge for cross connections in the bridge shaft						
	2	Red	**FBS 2-6**	28 A	**3030336**	50
	3	Red	**FBS 3-6**	28 A	**3030242**	50
	4	Red	**FBS 4-6**	28 A	**3030255**	50
	5	Red	**FBS 5-6**	28 A	**3030349**	50
	10	Red	**FBS 10-6**	28 A	**3030271**	10
	20	Red	**FBS 20-6**	28 A	**3030365**	10
Vertical potential bridge, to connect the upper and lower level		Black	**FBS-PV**		**3032185**	50
Test adapter, for 4 mm Ø PS test plug and 4 mm safety test plug, makes contact in the bridge shaft		Gray	**PAI-4**		**3030925**	10
Test plug, consisting of: metal part for 2.3 mm Ø socket hole and **insulating sleeve** for MPS metal part		Red	**MPS-MT** **MPS-IH RD**		**0201744** **0201676**	10 10
Modular test plug, for the individual assembly of test plug strips		Red	**PS-6**		**3030996**	10
Warning cover, for actuation shafts, 5-pos.		Yellow	**WST 4**		**3030954**	50
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10
UniCard sheet, for labeling the center groove			**UC-TM 6 (see page 479)**			
Zack markers, for labeling the center groove			**ZB 6 (see page 487)**			







STTBS 4-PV ...





STTBS 4-PE

Width	Length	Height NS 35/7,5	
6.2	**92.4**	**55**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
34[1])	**500**	**0.08 - 6**	**28 - 10**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	-	-	-
28[1]) / 4	- / -	- / -	-
4	-	-	-
28 - 10	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4 0.5 - 1
10			
PA			
V0			

Width	Length	Height NS 35/7,5	
6.2	**92.4**	**55**	
		Max. Ø [mm²]	AWG
		0.08 - 6	**28 - 10**
IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	-
4	-	-	-
28 - 10	-	28-10	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4 0.5 - 1
10			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
STTBS 4-PV		**3035085**	50
D-STTBS 4		**3035098**	50
ISH 4/0,5		**3002885**	50
ISH 4/1,0		**3002898**	50
FBS 2-6	28 A	**3030336**	50
FBS 3-6	28 A	**3030242**	50
FBS 4-6	28 A	**3030255**	50
FBS 5-6	28 A	**3030349**	50
FBS 10-6	28 A	**3030271**	10
FBS 20-6	28 A	**3030365**	10
PAI-4		**3030925**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
WST 4		**3030954**	50
SZF 1-0,6X3,5		**1204517**	10
UC-TM 6 (see page 479)			
ZB 6 (see page 487)			

Type	Order No.	Pcs. / Pkt.
STTBS 4-PE	**3035072**	50
D-STTBS 4	**3035098**	50
ISH 4/0,5	**3002885**	50
ISH 4/1,0	**3002898**	50
FBS 2-6	**3030336**	50
FBS 3-6	**3030242**	50
FBS 4-6	**3030255**	50
FBS 5-6	**3030349**	50
FBS 10-6	**3030271**	10
FBS 20-6	**3030365**	10
PAI-4	**3030925**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-6	**3030996**	10
WST 4	**3030954**	50
SZF 1-0,6X3,5	**1204517**	10
UC-TM 6 (see page 479)		
ZB 6 (see page 487)		

Knife disconnect and disconnect terminal blocks ST-DESK





STS 2,5-MT ...

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) Observe max. load current.

[2]) Observe max load current, depending on the power dissipation of the components. Max 0.5 W with single arrangement.

[3]) For max. power dissipation, see page 729.

[4]) Current and voltage are determined by the connector used.

[5]) Lower level

Disconnect terminal blocks of the same shape as the products in the ST-DESK range are also available.

The STS and STTBS knife disconnect terminal blocks are characterized by a compact design and a high current carrying capacity of 20 A. The terminal blocks also have a test connection parallel to the disconnect point for a 2.3 mm Ø test plug. Potential distribution is easily wired by means of plug-in bridges.

With their compact design, these terminal blocks can also be used in small terminal boxes, where they allow user-friendly wiring thanks to the front connection.

The STS 2,5-TG is for accommodating isolating, fuse and component connectors.

The STTBS 4-TG / ...MT double-level terminal block provides a large-surface labeling option and a plug-in bridge shaft on each level. The terminal blocks also have a test connection parallel to the isolating point for a 2.3 mm ø test plug.

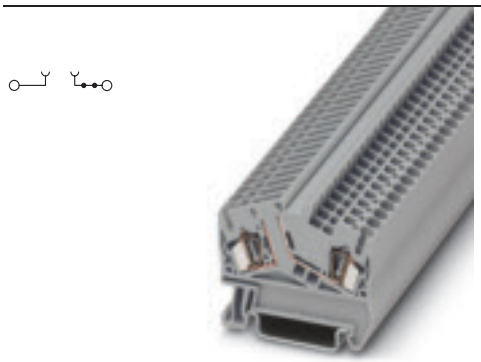
Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**51**	**43**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		20	**400**	**0.08 - 4**	**28 - 12**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400	300	300	-
Nominal current / cross-section	[A] / [mm²]	20 / 2.5	16 / -	16 / -	-
Rated cross-section	[mm²]	2.5	-	-	-
Cross-section range	AWG	28 - 12	28-12	28-12	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]				0.5
General data					
Stripping length	[mm]	10			
Insulating material		PA			
Inflammability class acc. to UL 94		V0			

Ordering data

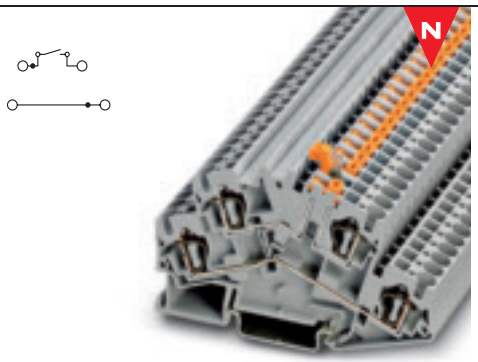
Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Knife disconnect terminal block, for mounting on NS 35...		Gray	**STS 2,5-MT**		**3036990**	50
		Blue	**STS 2,5-MT BU**		**3035425**	50
Disconnect terminal block, for mounting on NS 35...		Gray				

Accessories

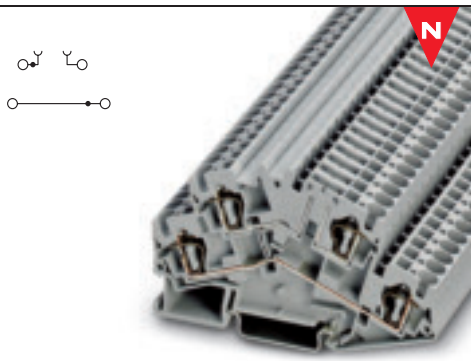
Cover, width 2.2 mm		Gray	**D-STS 2,5**		**3031762**	50
Insulation stop sleeve, cross-section range:						
0.08 - 0.2 mm²		White	**ISH 2,5/0,2**		**3002843**	50
0.25 - 0.5 mm²		Gray	**ISH 2,5/0,5**		**3002856**	50
0.75 - 1 mm²		Black	**ISH 2,5/1,0**		**3002869**	50
Plug-in bridge for cross connections in the bridge shaft						
	2	Red	**FBS 2-5**	24 A	**3030161**	50
	3	Red	**FBS 3-5**	24 A	**3030174**	50
	4	Red	**FBS 4-5**	24 A	**3030187**	50
	5	Red	**FBS 5-5**	24 A	**3030190**	50
	10	Red	**FBS 10-5**	24 A	**3030213**	10
	20	Red	**FBS 20-5**	24 A	**3030226**	10
Test adapter, for 4 mm Ø PS test plug and 4 mm safety test plug, makes contact in the bridge shaft		Gray	**PAI-4**		**3030925**	10
Test plug, consisting of: metal part for 2.3 mm Ø socket hole and			**MPS-MT**		**0201744**	10
insulating sleeve for MPS metal part		Red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		Red	**PS-5**		**3030983**	10
Disconnect plugs[1])		Orange				
Feed-through connector[1])		Gray				
Component connector, labeled with ZBF 5 or UC-TMF 5[2])		Gray				
Fuse connector, width 6.2 mm[3])		Black				
With light indicator for 12-30 V		Black				
With light indicator for 30-60 V		Black				
With light indicator for 110-250 V		Black				
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10
UniCard sheet, for labeling the center groove			**UC-TM 5 (see page 479)**			
Zack markers, for labeling the center groove			**ZB 5 (see page 487)**			



STS 2,5-TG



STTBS 4-MT ...



STTBS 4-TG

Width	Length	Height NS 35/7,5	
5.2	**51**	**43**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
20[4])	**400[4])**	**0.08 - 4**	**28 - 12**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400[4])	300	300	-
20[4]) / 2.5	16 / -	16 / -	-
2.5	-	-	-
28 - 12	28-12	28-12	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
10			
PA			
V0			

Width	Length	Height NS 35/7,5	
6.2	**92.4**	**55**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
34[5])	**500**	**0.08 - 6**	**28 - 10**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	-	-	-
20 / 2.5	- / -	- / -	-
4	-	-	-
28 - 10	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4 0.5 - 1
10			
PA			
V0			

Width	Length	Height NS 35/7,5	
6.2	**92.4**	**55**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
34[5])	**500[4])**	**0.08 - 6**	**28 - 10**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500[4])	-	-	-
20[4]) / 2.5	- / -	- / -	-
4	-	-	-
28 - 10	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4 0.5 - 1
10			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
STS 2,5-TG		**3037009**	50
D-STS 2,5		**3031762**	50
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
PAI-4		**3030925**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
P-DI		**3036783**	50
P-FIX		**3038956**	50
P-CO		**3036796**	10
P-FU 5X20		**3036806**	10
P-FU 5X20 LED 24		**3036819**	10
P-FU 5X20 LED 60		**3036822**	10
P-FU 5X20 LA 250		**3036835**	10
SZF 1-0,6X3,5		**1204517**	10
UC-TM 5 (see page 479)			
ZB 5 (see page 487)			

Type	I_{max}	Order No.	Pcs. / Pkt.
STTBS 4-MT		**3035470**	50
STTBS 4-MT BU		**3035522**	50
D-STTBS 4-MT		**3035548**	50
ISH 4/0,5		**3002885**	50
ISH 4/0,5		**3002885**	50
FBS 2-6	28 A	**3030336**	50
FBS 3-6	28 A	**3030242**	50
FBS 4-6	28 A	**3030255**	50
FBS 5-6	28 A	**3030349**	50
FBS 10-6	28 A	**3030271**	10
FBS 20-6	28 A	**3030365**	10
PAI-4		**3030925**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
SZF 1-0,6X3,5		**1204517**	10
UC-TM 6 (see page 479)			
ZB 6 (see page 487)			

Type	I_{max}	Order No.	Pcs. / Pkt.
STTBS 4-TG		**3035483**	50
D-STTBS 4-MT		**3035548**	50
ISH 4/1,0		**3002898**	50
ISH 4/1,0		**3002898**	50
FBS 2-6	28 A	**3030336**	50
FBS 3-6	28 A	**3030242**	50
FBS 4-6	28 A	**3030255**	50
FBS 5-6	28 A	**3030349**	50
FBS 10-6	28 A	**3030271**	10
FBS 20-6	28 A	**3030365**	10
PAI-4		**3030925**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
P-DI		**3036783**	50
P-FIX		**3038956**	50
P-CO		**3036796**	10
P-FU 5X20		**3036806**	10
P-FU 5X20 LED 24		**3036819**	10
P-FU 5X20 LED 60		**3036822**	10
P-FU 5X20 LA 250		**3036835**	10
SZF 1-0,6X3,5		**1204517**	10
UC-TM 6 (see page 479)			
ZB 6 (see page 487)			

Installation terminal blocks STI ...



For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



STI 2,5 ...

The asymmetrically arranged terminal foot makes the STI series stand out against standard terminal blocks. This foot makes it possible to route the neutral busbar past the terminal strip and to fix it in the insulated supports.

Considerable space savings can be achieved in the control cabinet by using the "mini-spring" spring-cage system, without having to give up the familiar high quality features such as the generous labeling option, maximum connection space and the flexible plug-in bridge system.

It goes without saying that the STI series can be used together with the screw terminal blocks from the PIK series. With both types of connections, the neutral busbar is on one level.

Assembly

To fix the neutral busbar securely, supports must be set at the beginning and end of each terminal strip as well as every 20 cm on longer terminal strips.

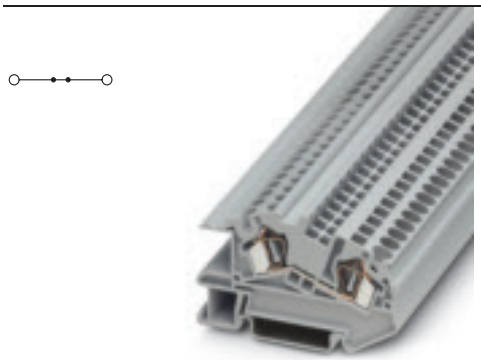
Dimensions				
	Width	Length	Height NS 35/7,5	
[mm]	5.2	59.5	43	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
	32	400	0.08 - 4	28 - 12
Rated data	IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	400	600	600	-
Nominal current / cross-section [A] / [mm²]	24 / 2.5	20 / -	20 / -	-
Rated cross-section [mm²]	2.5	-	-	-
Cross-section range AWG	28 - 12	28-12	28-12	-
Connection capacity	Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor [mm²]	0.08 - 4	0.08 - 4	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule [mm²]				0.5
General data				
Stripping length [mm]	10			
Insulating material	PA			
Inflammability class acc. to UL 94	V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Spring-cage terminal block, for mounting on NS 35...		Gray	**STI 2,5**		**3031924**	50
		Blue	**STI 2,5 BU**		**3036217**	50

Accessories

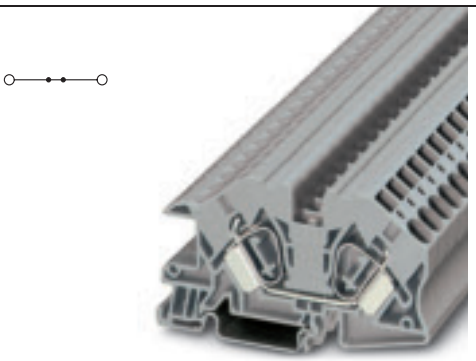
Cover, width 2.2 mm		Gray	**D-STI 2,5**		**3030569**	50
Cover, width 2 mm		Gray				
Insulation stop sleeve, cross-section range:						
0.08 - 0.2 mm²		White	**ISH 2,5/0,2**		**3002843**	50
0.25 - 0.5 mm²		Gray	**ISH 2,5/0,5**		**3002856**	50
0.75 - 1 mm²		Black	**ISH 2,5/1,0**		**3002869**	50
Plug-in bridge for cross connections in the bridge shaft						
	2	Red	**FBS 2-5**	24 A	**3030161**	50
	3	Red	**FBS 3-5**	24 A	**3030174**	50
	4	Red	**FBS 4-5**	24 A	**3030187**	50
	5	Red	**FBS 5-5**	24 A	**3030190**	50
	10	Red	**FBS 10-5**	24 A	**3030213**	10
	20	Red	**FBS 20-5**	24 A	**3030226**	10
Test adapter, for 4 mm Ø PS test plug and 4 mm safety test plug, makes contact in the bridge shaft		Gray	**PAI-4**		**3030925**	10
Test plug, consisting of: metal part for 2.3 mm Ø socket hole and			**MPS-MT**		**0201744**	10
insulating sleeve for MPS metal part		Red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		Red	**PS-5**		**3030983**	10
Support, blue insulating material, for holding the neutral busbar, must be set every 20 cm, 2 mm wide		Blue	**AB-STI**		**3030828**	50
Warning cover, for actuation shafts, 5-pos.		Yellow	**WST 2,5**		**3030941**	50
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10
UniCard sheet, for labeling the center groove			**UC-TM 5 (see page 479)**			
UniCard sheet, flat, for labeling the center and lateral grooves			**UC-TMF 5 (see page 482)**			
Zack markers, for labeling the center groove			**ZB 5 (see page 487)**			
Zack marker strip, flat, for labeling the center and lateral grooves			**ZBF 5 (see page 492)**			



STI 4 ...

Width	Length	Height NS 35/7,5	
6.2	**66**	**43**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
41	**400**	**0.08 - 6**	**28 - 10**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	-	-	-
32 / 4	- / -	- / -	-
4	-	-	-
28 - 10	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4 0.5 - 1
10			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
STI 4		**3031953**	50
STI 4 BU		**3036220**	50
D-STI 4		**3030640**	50
ISH 4/0,5		**3002885**	50
ISH 4/1,0		**3002898**	50
FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 10-6	32 A	**3030271**	10
FBS 20-6	32 A	**3030365**	10
PAI-4		**3030925**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
AB-STI		**3030828**	50
WST 4		**3030954**	50
SZF 1-0,6X3,5		**1204517**	10
UC-TM 6 (see page 479)			
UC-TMF 6 (see page 483)			
ZB 6 (see page 487)			
ZBF 6 (see page 493)			



STI 10 ...

Width	Length	Height NS 35/7,5	
10	**87**	**49**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
57	**400**	**0.2 - 16**	**24 - 6**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	-	-	-
57 / 10	- / -	- / -	-
10	-	-	-
24 - 6	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 16	0.2 - 10	0.25 - 10	0.25 - 10 1.5 - 2.5
18			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
STI 10		**3038215**	25
STI 10 BU		**3038228**	25
D-STI 10/16		**3038309**	25
FBS 2-10	57 A	**3005947**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
AB-STI 16/10		**3037669**	10
WST 10/35		**3030006**	25
SZF 2-0,8X4,0		**1204520**	10
UC-TM 10 (see page 480)			
UC-TMF 10 (see page 483)			
ZB 10 (see page 489)			
ZBF 10 (see page 494)			



STI 16 ...

Width	Length	Height NS 35/7,5	
12	**95**	**49**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
76	**400**	**0.2 - 25**	**24 - 4**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	-	-	-
76 / 16	- / -	- / -	-
16	-	-	-
24 - 4	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 25	0.2 - 16	0.25 - 16	0.25 - 16 1.5 - 4
18			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
STI 16		**3038257**	25
STI 16 BU		**3038260**	25
D-STI 10/16		**3038309**	25
FBS 2-12	76 A	**3005950**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
AB-STI 16/10		**3037669**	10
WST 10/35		**3030006**	25
SZF 3-1,0X5,5		**1206612**	10
UC-TM 12 (see page 481)			
UC-TMF 12 (see page 484)			
ZB 12 (see page 490)			
ZBF 12 (see page 494)			

Protective conductor installation terminal blocks STI ...-PE

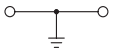
The ST ...-PE ground terminal blocks are available in the same shape as the spring-cage feed-through ground terminal blocks with cross-sections of 2.5 mm² to 16 mm². Correct mechanical and electrical contacting is guaranteed by simply snapping the terminal block onto the rail. The green-yellow housing clearly indicates the ground conductor function of the terminal.

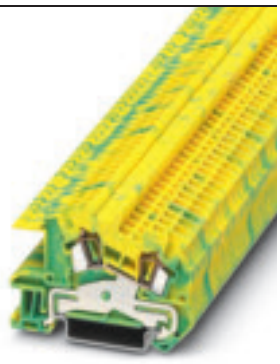
Assembly

To fix the neutral busbar securely, supports must be set at the beginning and end of each terminal strip as well as every 20 cm on longer terminal strips.

Current carrying capacity of DIN rails, see page 728.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.





STI 2,5-PE

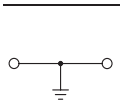
Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**59.5**	**43**	
Max. electrical data				Max. Ø [mm²]	AWG
				0.08 - 4	**28 - 12**
Rated data		IEC 60947-7-2 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	-	-	-	-
Nominal current / cross-section	[A] / [mm²]	- / -	- / -	- / -	-
Rated cross-section	[mm²]	2.5	-	-	-
Cross-section range	AWG	28 - 12	28-12	28-12	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.08 - 4	0.08 - 4	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]				0.5
General data					
Stripping length	[mm]	10			
Insulating material		PA			
Inflammability class acc. to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.
Spring-cage ground terminal block, for mounting on NS 35...		Green-yellow	**STI 2,5-PE**	**3031937**	50

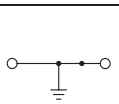
Accessories

Cover, width 2.2 mm		Gray	**D-STI 2,5**	**3030569**	50
Cover, width 2 mm		Gray			
Insulation stop sleeve, cross-section range:					
0.08 - 0.2 mm²		White	**ISH 2,5/0,2**	**3002843**	50
0.25 - 0.5 mm²		Gray	**ISH 2,5/0,5**	**3002856**	50
0.75 - 1 mm²		Black	**ISH 2,5/1,0**	**3002869**	50
Plug-in bridge for cross connections in the bridge shaft	2	Red			
Support, blue blue insulating material, for holding the neutral busbar, must be set every 20 cm, 2 mm wide		Blue	**AB-STI**	**3030828**	50
Warning cover, for actuation shafts, 5-pos.		Yellow	**WST 2,5**	**3030941**	50
Screwdriver			**SZF 1-0,6X3,5**	**1204517**	10
UniCard sheet, for labeling the center groove			**UC-TM 5 (see page 479)**		
UniCard sheet, flat, for labeling the center and lateral grooves			**UC-TMF 5 (see page 482)**		
Zack markers, for labeling the center groove			**ZB 5 (see page 487)**		
Zack marker strip, flat, for labeling the center and lateral grooves			**ZBF 5 (see page 492)**		



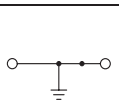


STI 4-PE





STI 10-PE





STI 16-PE

Width	Length	Height NS 35/7,5	
6.2	**66**	**43**	
		Max. Ø [mm²]	AWG
		0.08 - 6	**28 - 10**
IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	-
4	-	-	-
28 - 10	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4 0.5 - 1
10			
PA			
V0			

Width	Length	Height NS 35/7,5	
10	**87**	**49**	
$I_{max.}$ [A]		Max. Ø [mm²]	AWG
57		**0.2 - 16**	**24 - 6**
IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
57 / 10	- / -	- / -	-
10	-	-	-
24 - 6	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 16	0.2 - 10	0.25 - 10	0.25 - 10 1.5 - 2.5
18			
PA			
V0			

Width	Length	Height NS 35/7,5	
12	**95**	**49**	
$I_{max.}$ [A]		Max. Ø [mm²]	AWG
76		**0.2 - 25**	**24 - 4**
IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
76 / 16	- / -	- / -	-
16	-	-	-
24 - 4	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 25	0.2 - 16	0.25 - 16	0.25 - 16 1.5 - 4
18			
PA			
V0			

Type	Order No.	Pcs. / Pkt.
STI 4-PE	**3031966**	50
D-STI 4	**3030640**	50
ISH 4/0,5	**3002885**	50
ISH 4/1,0	**3002898**	50
AB-STI	**3030828**	50
WST 4	**3030954**	50
SZF 1-0,6X3,5	**1204517**	10
UC-TM 6 (see page 479)		
UC-TMF 6 (see page 483)		
ZB 6 (see page 487)		
ZBF 6 (see page 493)		

Type	I_{max}	Order No.	Pcs. / Pkt.
STI 10-PE		**3038231**	25
D-STI 10/16		**3038309**	25
FBS 2-10	57 A	**3005947**	10
AB-STI 16/10		**3037669**	10
WST 10/35		**3030006**	25
SZF 2-0,8X4,0		**1204520**	10
UC-TM 10 (see page 480)			
UC-TMF 10 (see page 483)			
ZB 10 (see page 489)			
ZBF 10 (see page 494)			

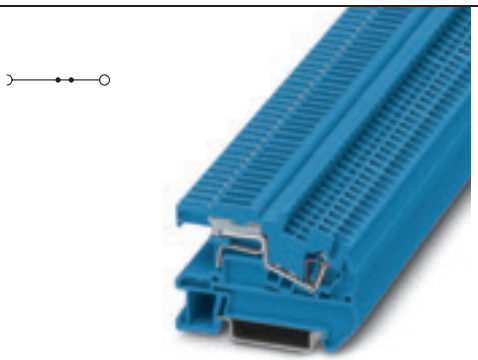
Type	I_{max}	Order No.	Pcs. / Pkt.
STI 16-PE		**3038273**	25
D-STI 10/16		**3038309**	25
FBS 2-12	76 A	**3005950**	10
AB-STI 16/10		**3037669**	10
WST 10/35		**3030006**	25
SZF 3-1,0X5,5		**1206612**	10
UC-TM 12 (see page 481)			
UC-TMF 12 (see page 484)			
ZB 12 (see page 490)			
ZBF 12 (see page 494)			

Installation terminal blocks STN ...

The N disconnect slides are located in the same position on all Phoenix Contact screw and spring-cage installation terminal blocks.

To fix the neutral busbar securely, supports must be set at the beginning and end of each terminal strip as well as every 20 cm on longer terminal strips.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



STN 2,5



STN 4

Dimensions		Width	Length	Height NS 35/7,5		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**59.5**	**43**		**6.2**	**66**	**43**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG	$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		30	**250**	**0.08 - 4**	**28 - 12**	**36**	**250**	**0.08 - 6**	**28 - 10**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7	IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	250	-	-	-	250	-	-	-
Nominal current / cross-section	[A] / [mm²]	24 / 2.5	- / -	- / -	-	32 / 4	- / -	- / -	-
Rated cross-section	[mm²]	2.5	-	-	-	4	-	-	-
Cross-section range	AWG	28 - 12	-	-	-	28 - 10	-	-	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5	0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4
Two stranded conductors with a TWIN ferrule	[mm²]				0.5				0.5 - 1
General data									
Stripping length	[mm]	10				10			
Disconnect slide: thread / torque	- / [Nm]	- / -				- / -			
Insulating material		PA				PA			
Inflammability class acc. to UL 94		V0				V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.	Type	I_{max}	Order No.	Pcs. / Pkt.
Neutral conductor disconnect terminal block, for mounting on NS 35...		Blue	**STN 2,5**		**3031940**	50	**STN 4**		**3031979**	50

Accessories

Cover, width 2.2 mm		Gray	**D-STI 2,5**		**3030569**	50	**D-STI 4**		**3030640**	50
Cover, width 2 mm		Gray								
Insulation stop sleeve, cross-section range:										
0.08 - 0.2 mm²		White	**ISH 2,5/0,2**		**3002843**	50				
0.25 - 0.5 mm²		Gray	**ISH 2,5/0,5**		**3002856**	50	**ISH 4/0,5**		**3002885**	50
0.75 - 1 mm²		Black	**ISH 2,5/1,0**		**3002869**	50	**ISH 4/1,0**		**3002898**	50
Plug-in bridge for cross connections in the bridge shaft										
	2	Red	**FBS 2-5**	24 A	**3030161**	50	**FBS 2-6**	32 A	**3030336**	50
	3	Red	**FBS 3-5**	24 A	**3030174**	50	**FBS 3-6**	32 A	**3030242**	50
	4	Red	**FBS 4-5**	24 A	**3030187**	50	**FBS 4-6**	32 A	**3030255**	50
	5	Red	**FBS 5-5**	24 A	**3030190**	50	**FBS 5-6**	32 A	**3030349**	50
	10	Red	**FBS 10-5**	24 A	**3030213**	10	**FBS 10-6**	32 A	**3030271**	10
	20	Red	**FBS 20-5**	24 A	**3030226**	10	**FBS 20-6**	32 A	**3030365**	10
PEN conductor busbar, 3 x 10 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A		Silver	**NLS-CU 3/10 SN 1000MM**	140 A	**0402174**	10	**NLS-CU 3/10 SN 1000MM**	140 A	**0402174**	10
Test adapter, for 4 mm Ø PS test plug and 4 mm safety test plug, makes contact in the bridge shaft		Gray	**PAI-4**		**3030925**	10	**PAI-4**		**3030925**	10
Test plug, consisting of: metal part for 2.3 mm Ø socket hole and			**MPS-MT**		**0201744**	10	**MPS-MT**		**0201744**	10
insulating sleeve for MPS metal part		Red	**MPS-IH RD**		**0201676**	10	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		Red	**PS-5**		**3030983**	10	**PS-6**		**3030996**	10
Support, blue insulating material, for holding the neutral busbar, must be set every 20 cm, 2 mm wide		Blue	**AB-STI**		**3030828**	50	**AB-STI**		**3030828**	50
Warning cover, for actuation shafts, 5-pos.										
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10	**SZF 1-0,6X3,5**		**1204517**	10
UniCard sheet, for labeling the center groove			**UC-TM 5 (see page 479)**				**UC-TM 6 (see page 479)**			
UniCard sheet, flat, for labeling the center and lateral grooves			**UC-TMF 5 (see page 482)**				**UC-TMF 6 (see page 483)**			
Zack markers, for labeling the center groove			**ZB 5 (see page 487)**				**ZB 6 (see page 487)**			
Zack marker strip, flat, for labeling the center and lateral grooves			**ZBF 5 (see page 492)**				**ZBF 6 (see page 493)**			



STN 10

Width	Length	Height NS 35/7,5	
10	**87**	**50**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
57	**400**	**0.2 - 16**	**24 - 6**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	-	-	-
57 / 10	- / -	- / -	-
10	-	-	-
24 - 6	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 16	0.2 - 10	1.5 - 10	1.5 - 10 1.5 - 2.5
18			
- / -			
PA			
V0			

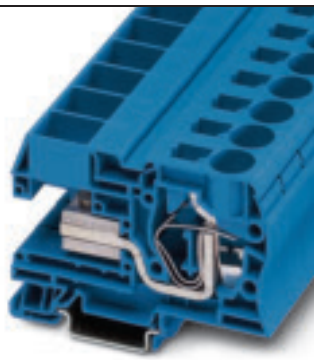
Type	I_{max}	Order No.	Pcs. / Pkt.
STN 10		**3038244**	25
D-STI 10/16		**3038309**	25
FBS 2-10	57 A	**3005947**	10
NLS-CU 3/10 SN 1000MM	140 A	**0402174**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
AB-STI 16/10		**3037669**	10
WST 10/35		**3030006**	25
SZF 2-0,8X4,0		**1204520**	10
UC-TM 10 (see page 480)			
ZB 10 (see page 489)			



STN 16

Width	Length	Height NS 35/7,5	
12	**95**	**50**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
76	**400**	**0.2 - 25**	**24 - 4**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	-	-	-
76 / 16	- / -	- / -	-
16	-	-	-
24 - 4	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 25	0.2 - 16	1.5 - 16	1.5 - 16 1.5 - 4
18			
- / -			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
STN 16		**3038286**	25
D-STI 10/16		**3038309**	25
FBS 2-12	76 A	**3005950**	10
NLS-CU 3/10 SN 1000MM	140 A	**0402174**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
AB-STI 16/10		**3037669**	10
WST 10/35		**3030006**	25
SZF 3-1,0X5,5		**1206612**	10
UC-TM 12 (see page 481)			
ZB 12 (see page 490)			



STN 35

enclosed housing

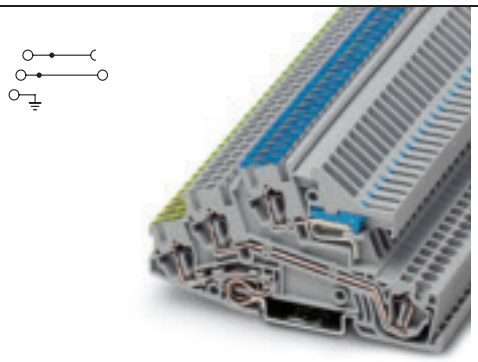
Width	Length	Height NS 35/7,5	
16	**92**	**59**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
125	**400**	**2.5 - 35**	**14 - 2**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	-	-	-
125 / 35	- / -	- / -	-
35	-	-	-
14 - 2	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
2.5 - 35	2.5 - 35	2.5 - 35	2.5 - 35
25			
M5 / 2.5 - 3			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
STN 35		**3038299**	10
NLS-CU 3/10 SN 1000MM	140 A	**0402174**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
AB-STI 16/10		**3037669**	10
WST 10/35		**3030006**	25
SZF 3-1,0X5,5		**1206612**	10
UC-TM 16 (see page 481)			
UC-TMF 16 (see page 484)			
ZB 16 (see page 491)			
ZBF 16 (see page 495)			

Multi-level installation terminal blocks STI ...

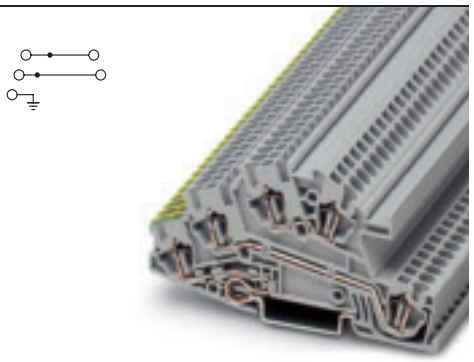
The outstanding feature of the three-level installation terminal blocks of the STI series is the space-saving "mini-spring" spring-cage system. This spring-cage connection greatly reduces the size of the 5 mm terminal block. The high quality features such as maximum wiring space and labeling of all terminal points remain.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



STI 2,5-PE/L/NT

1 x phase conductor L, 1 x PE, 1 x N-conductor, can be disconnected



STI 2,5-PE/L/L

2 x phase conductor L, 1 x PE

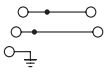
Dimensions		Width	Length	Height NS 35/7,5		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**97**	**50.5**		**5.2**	**97**	**50.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG	$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		20	**400**	**0.08 - 4**	**28 - 12**	**24**	**400**	**0.08 - 4**	**28 - 12**
Rated data		IEC 60947-7-1 / IEC 60947-7-2				IEC 60947-7-1 / IEC 60947-7-2			
		IEC	UL / CUL	CSA	IEC/ EN 60079-7	IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400	300	300	-	400	300	300	-
Phase conductor / phase conductor	[V]	400	-	-	-	400	-	-	-
Phase conductor / PE	[V]	250	-	-	-	250	-	-	-
Phase conductor / N	[V]	250	-	-	-	-	-	-	-
Nominal current / cross-section	[A] / [mm²]	20 / 2.5	20 / -	20 / -	-	24 / 2.5	20 / -	20 / -	-
Rated cross-section	[mm²]	2.5	-	-	-	2.5	-	-	-
Cross-section range	AWG	28 - 12	28-12	28-12	-	28 - 12	28-12	28-12	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.08 - 4	0.08 - 4	0.14 - 2.5	0.14 - 2.5	0.08 - 4	0.08 - 4	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]				0.5				0.5
General data									
Stripping length	[mm]	10				10			
Insulating material		PA				PA			
Inflammability class acc. to UL 94		V0				V0			

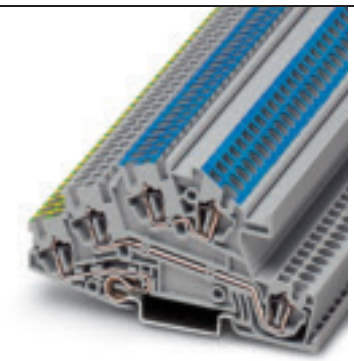
Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		Gray	**STI 2,5-PE/L/NT**		**3031827**	50	**STI 2,5-PE/L/L**		**3031830**	50

Accessories

Connection terminal block, steel, is pushed onto the NLS neutral busbar, can be labeled using ZB, with insulating cap, solid up to 16 mm², 10 mm wide		Blue	**AKG 16 BU**		**0423014**	50				
Up to 35 mm² solid, 14.3 mm wide		Blue	**AKG 35 BU**		**0424013**	50				
Cover, width 2.2 mm		Gray	**D-STI/3**		**3030844**	10	**D-STI/3**		**3030844**	10
Plug-in bridge for cross connections in the bridge shaft										
	2	Red	**FBS 2-5**	24 A	**3030161**	50	**FBS 2-5**	24 A	**3030161**	50
	3	Red	**FBS 3-5**	24 A	**3030174**	50	**FBS 3-5**	24 A	**3030174**	50
	4	Red	**FBS 4-5**	24 A	**3030187**	50	**FBS 4-5**	24 A	**3030187**	50
	5	Red	**FBS 5-5**	24 A	**3030190**	50	**FBS 5-5**	24 A	**3030190**	50
	10	Red	**FBS 10-5**	24 A	**3030213**	10	**FBS 10-5**	24 A	**3030213**	10
	20	Red	**FBS 20-5**	24 A	**3030226**	10	**FBS 20-5**	24 A	**3030226**	10
Partition plate, for visual and electrical separation of terminal groups, 2 mm thick		Gray	**ATP-STI/3**		**3030857**	10	**ATP-STI/3**		**3030857**	10
PEN conductor busbar, 3 x 10 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A		Silver	**NLS-CU 3/10 SN 1000MM**	140 A	**0402174**	10	**NLS-CU 3/10 SN 1000MM**	140 A	**0402174**	10
Test adapter, for 4 mm Ø PS test plug and 4 mm safety test plug, makes contact in the bridge shaft		Gray	**PAI-4**		**3030925**	10	**PAI-4**		**3030925**	10
Modular test plug, for the individual assembly of test plug strips		Red	**PS-5**		**3030983**	10	**PS-5**		**3030983**	10
Support, blue insulating material, for holding the neutral busbar, must be set every 20 cm, 2 mm wide		Blue	**AB-STI/3**		**3030831**	10	**AB-STI/3**		**3030831**	10
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10	**SZF 1-0,6X3,5**		**1204517**	10
UniCard sheet, for labeling the center groove			**UC-TM 5 (see page 479)**				**UC-TM 5 (see page 479)**			
UniCard sheet, flat, for labeling the center and lateral grooves			**UC-TMF 5 (see page 482)**				**UC-TMF 5 (see page 482)**			
Zack markers, for labeling the center groove			**ZB 5 (see page 487)**				**ZB 5 (see page 487)**			
Zack marker strip, flat, for labeling the center and lateral grooves			**ZBF 5 (see page 492)**				**ZBF 5 (see page 492)**			





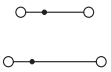
STI 2,5-PE/L/N

1 x phase conductor L, 1 x PE, 1 x N-conductor



STI 2,5-L

1 x phase conductor L





STI 2,5-L/L

2 x phase conductor L

Width	Length	Height NS 35/7,5	
5.2	**97**	**50.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
24	**400**	**0.08 - 4**	**28 - 12**
IEC 60947-7-1 / IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	300	300	-
400	-	-	-
250	-	-	-
400	-	-	-
24 / 2.5	20 / -	20 / -	-
2.5	-	-	-
28 - 12	28-12	28-12	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 4	0.08 - 4	0.14 - 2.5	0.14 - 2.5 0.5
10			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
STI 2,5-PE/L/N		**3031843**	50
D-STI/3		**3030844**	10
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
ATP-STI/3		**3030857**	10
NLS-CU 3/10 SN 1000MM	140 A	**0402174**	10
PAI-4		**3030925**	10
PS-5		**3030983**	10
AB-STI/3		**3030831**	10
SZF 1-0,6X3,5		**1204517**	10
UC-TM 5 (see page 479)			
UC-TMF 5 (see page 482)			
ZB 5 (see page 487)			
ZBF 5 (see page 492)			

Width	Length	Height NS 35/7,5	
5.2	**97**	**50.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
24	**400**	**0.08 - 4**	**28 - 12**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	300	300	-
400	-	-	-
-	-	-	-
-	-	-	-
24 / 2.5	20 / -	20 / -	-
2.5	-	-	-
28 - 12	28-12	28-12	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 4	0.08 - 4	0.14 - 2.5	0.14 - 2.5 0.5
10			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
STI 2,5-L		**3031869**	50
D-STI/3		**3030844**	10
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
ATP-STI/3		**3030857**	10
NLS-CU 3/10 SN 1000MM	140 A	**0402174**	10
PAI-4		**3030925**	10
PS-5		**3030983**	10
AB-STI/3		**3030831**	10
SZF 1-0,6X3,5		**1204517**	10
UC-TM 5 (see page 479)			
UC-TMF 5 (see page 482)			
ZB 5 (see page 487)			
ZBF 5 (see page 492)			

Width	Length	Height NS 35/7,5	
5.2	**97**	**50.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
24	**400**	**0.08 - 4**	**28 - 12**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	300	300	-
400	-	-	-
-	-	-	-
-	-	-	-
24 / 2.5	20 / -	20 / -	-
2.5	-	-	-
28 - 12	28-12	28-12	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 4	0.08 - 4	0.14 - 2.5	0.14 - 2.5 0.5
10			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
STI 2,5-L/L		**3031856**	50
D-STI/3		**3030844**	10
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
ATP-STI/3		**3030857**	10
NLS-CU 3/10 SN 1000MM	140 A	**0402174**	10
PAI-4		**3030925**	10
PS-5		**3030983**	10
AB-STI/3		**3030831**	10
SZF 1-0,6X3,5		**1204517**	10
UC-TM 5 (see page 479)			
UC-TMF 5 (see page 482)			
ZB 5 (see page 487)			
ZBF 5 (see page 492)			

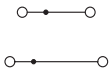
Multi-level installation terminal blocks STI ...

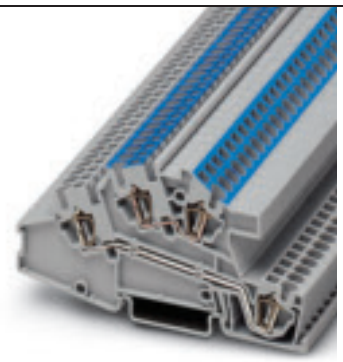
For special circuits, three-level terminal blocks with function blocks are available, and for disconnect element, fuse or component connectors are available; see page 336.

The terminal block variants with individual circuit isolation correspond exactly to the safety requirements as per DIN VDE 0108.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

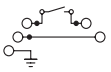
More plug-in bridges can be found on page 330.





STI 2,5-L/N

1 x phase conductor L, 1 x N-conductor





STI 2,5-PE/L/NTB

1 x phase conductor L, 1 x PE, 1 x N-conductor, divisible

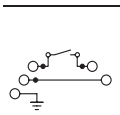
Dimensions		Width	Length	Height NS 35/7,5		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**97**	**50.5**		**5.2**	**97**	**50.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG	$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		24	**400**	**0.08 - 4**	**28 - 12**	**24**	**400**	**0.08 - 4**	**28 - 12**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7	IEC 60947-7-1 / IEC 60947-7-2 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400	300	300	-	400	300	300	-
Phase conductor / phase conductor	[V]	400	-	-	-	400	-	-	-
Phase conductor / PE	[V]	400	-	-	-	250	-	-	-
Phase conductor / N	[V]	-	-	-	-	250	-	-	-
Nominal current / cross-section	[A] / [mm²]	24 / 2.5	20 / -	20 / -	-	24 / 2.5	20 / -	20 / -	-
Rated cross-section	[mm²]	2.5	-	-	-	2.5	-	-	-
Cross-section range	AWG	28 - 12	28-12	28-12	-	28 - 12	28-12	28-12	-
Disconnect level rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7	IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Nominal current / cross-section	[A] / [mm²]	- / -	- / -	- / -	- / -	16 / 2.5	16 / -	16 / -	- / -
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.08 - 4	0.08 - 4	0.14 - 2.5	0.14 - 2.5	0.08 - 4	0.08 - 4	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]				0.5				0.5
General data									
Stripping length	[mm]	10				10			
Insulating material		PA				PA			
Inflammability class acc. to UL 94		V0				V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		Gray	**STI 2,5-L/N**		**3201851**	50	**STI 2,5-PE/L/NTB**		**3038642**	50

Accessories

Connection terminal block, steel, is pushed onto the NLS neutral busbar, can be labeled using ZB, with insulating cap, solid up to 16 mm², 10 mm wide		Blue	**AKG 16 BU**		**0423014**	50				
Up to 35 mm² solid, 14.3 mm wide		Blue	**AKG 35 BU**		**0424013**	50				
Cover, width 2.2 mm		Gray	**D-STI/3**		**3030844**	10	**D-STI/3B**		**3038655**	10
Plug-in bridge for cross connections in the bridge shaft										
	2	Red	**FBS 2-5**	24 A	**3030161**	50	**FBS 2-5**	24 A	**3030161**	50
	5	Red	**FBS 5-5**	24 A	**3030190**	50	**FBS 5-5**	24 A	**3030190**	50
	20	Red	**FBS 20-5**	24 A	**3030226**	10	**FBS 20-5**	24 A	**3030226**	10
Partition plate, for visual and electrical separation of terminal groups, 2 mm thick		Gray	**ATP-STI/3**		**3030857**	10				
PEN conductor busbar, 3 x 10 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A		Silver	**NLS-CU 3/10 SN 1000MM**	140 A	**0402174**	10				
Test adapter, for 4 mm Ø PS test plug and 4 mm safety test plug, makes contact in the bridge shaft		Gray	**PAI-4**		**3030925**	10	**PAI-4**		**3030925**	10
Modular test plug, for the individual assembly of test plug strips		Red	**PS-5**		**3030983**	10	**PS-5**		**3030983**	10
Support, blueinsulating material, for holding the neutral busbar, must be set every 20 cm, 2 mm wide		Blue	**AB-STI/3**		**3030831**	10				
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10	**SZF 1-0,6X3,5**		**1204517**	10
UniCard sheet, for labeling the center groove			**UC-TM 5 (see page 479)**				**UC-TM 5 (see page 479)**			
UniCard sheet, flat, for labeling the center and lateral grooves			**UC-TMF 5 (see page 482)**				**UC-TMF 5 (see page 482)**			
Zack markers, for labeling the center groove			**ZB 5 (see page 487)**				**ZB 5 (see page 487)**			
Zack marker strip, flat, for labeling the center and lateral grooves			**ZBF 5 (see page 492)**				**ZBF 5 (see page 492)**			



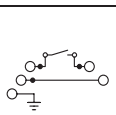


STI 2,5-PE/L/LTB

1 x phase conductor L, 1 x PE, 1 x phase conductor L can be isolated

Width	Length	Height NS 35/7,5	
5.2	**97**	**50.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
24	**400**	**0.08 - 4**	**28 - 12**
IEC 60947-7-1 / IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	300	300	-
400	-	-	-
250	-	-	-
-	-	-	-
24 / 2.5	20 / -	20 / -	-
2.5	-	-	-
28 - 12	28-12	28-12	-
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
16 / 2.5	16 / -	16 / -	- / -
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 4	0.08 - 4	0.14 - 2.5	0.14 - 2.5
			0.5
10			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
STI 2,5-PE/L/LTB		**3032130**	50
D-STI/3B		**3038655**	10
FBS 2-5	24 A	**3030161**	50
FBS 5-5	24 A	**3030190**	50
FBS 20-5	24 A	**3030226**	10
PAI-4		**3030925**	10
PS-5		**3030983**	10
SZF 1-0,6X3,5		**1204517**	10
UC-TM 5 (see page 479)			
UC-TMF 5 (see page 482)			
ZB 5 (see page 487)			
ZBF 5 (see page 492)			



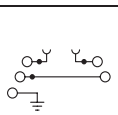


STI 2,5-PE/L/LB

2 x phase conductor L, 1 x PE

Width	Length	Height NS 35/7,5	
5.2	**97**	**50.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
24	**400**	**0.08 - 4**	**28 - 12**
IEC 60947-7-1 / IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	300	300	-
400	-	-	-
250	-	-	-
-	-	-	-
24 / 2.5	20 / -	20 / -	-
2.5	-	-	-
28 - 12	28-12	28-12	-
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
16 / 2.5	16 / -	16 / -	- / -
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 4	0.08 - 4	0.14 - 2.5	0.14 - 2.5
			0.5
10			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
STI 2,5-PE/L/LB		**3035205**	50
D-STI/3B		**3038655**	10
FBS 2-5	24 A	**3030161**	50
FBS 5-5	24 A	**3030190**	50
FBS 20-5	24 A	**3030226**	10
PAI-4		**3030925**	10
PS-5		**3030983**	10
SZF 1-0,6X3,5		**1204517**	10
UC-TM 5 (see page 479)			
UC-TMF 5 (see page 482)			
ZB 5 (see page 487)			
ZBF 5 (see page 492)			





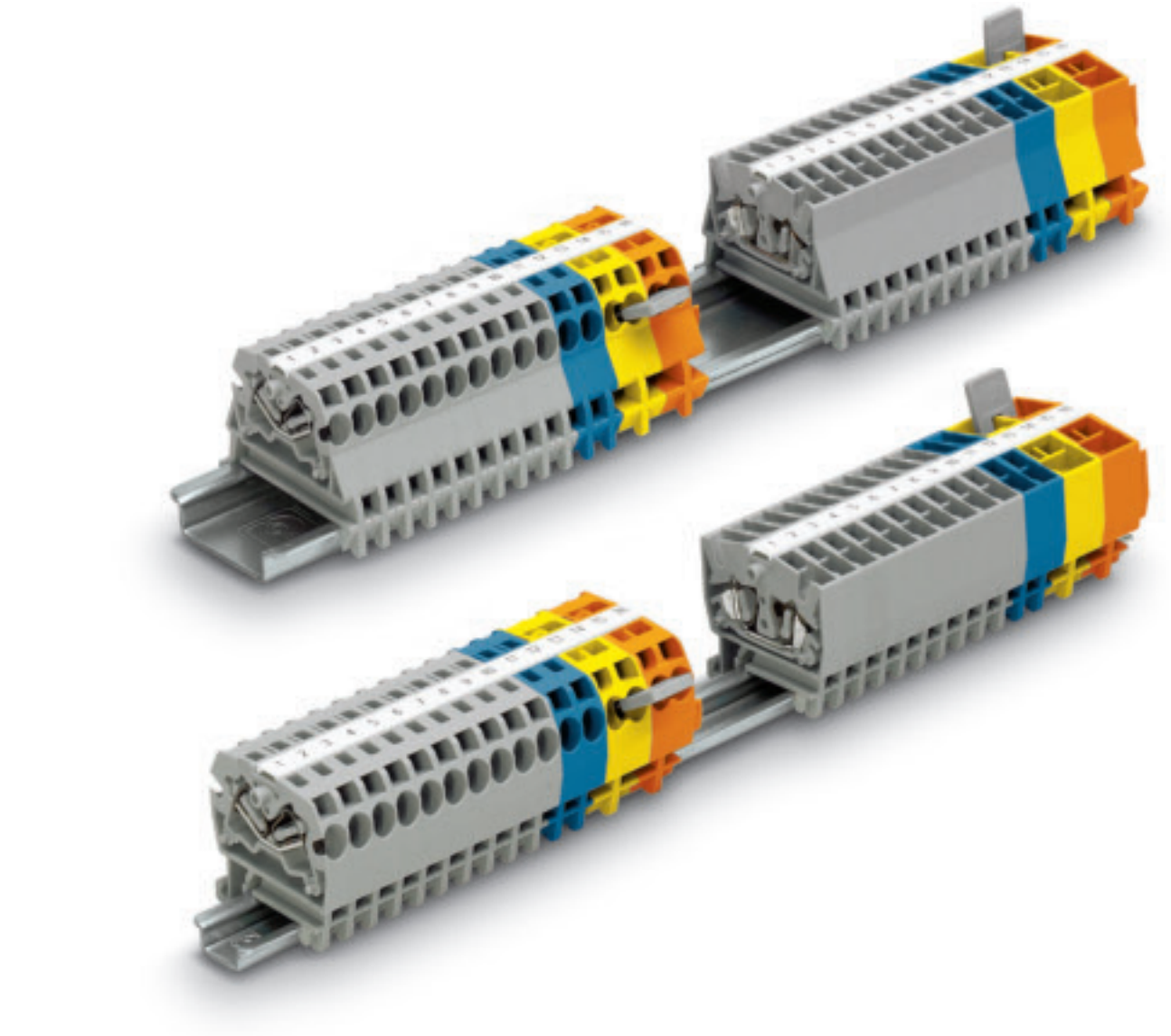
STI 2,5-PE/L/TG

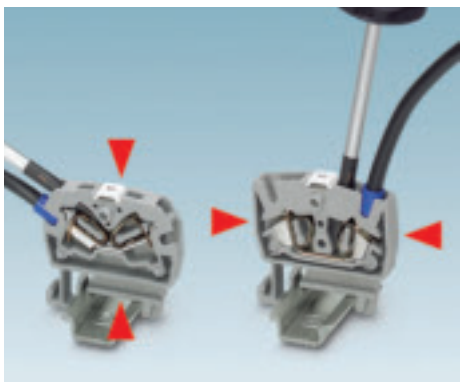
1 x phase conductor L, 1 x PE, 1 x phase conductor L can be equipped with function modules

Width	Length	Height NS 35/7,5	
5.2	**97**	**50.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
24	**400**	**0.08 - 4**	**28 - 12**
IEC 60947-7-1 / IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	300	300	-
400	-	-	-
250	-	-	-
-	-	-	-
24 / 2.5	20 / -	20 / -	-
2.5	-	-	-
28 - 12	28-12	28-12	-
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
16 / 2.5	16 / -	16 / -	- / -
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 4	0.08 - 4	0.14 - 2.5	0.14 - 2.5
			0.5
10			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
STI 2,5-PE/L/TG		**3039942**	50
D-STI/3B		**3038655**	10
FBS 2-5	24 A	**3030161**	50
FBS 5-5	24 A	**3030190**	50
FBS 20-5	24 A	**3030226**	10
PAI-4		**3030925**	10
PS-5		**3030983**	10
SZF 1-0,6X3,5		**1204517**	10
UC-TM 5 (see page 479)			
UC-TMF 5 (see page 482)			
ZB 5 (see page 487)			
ZBF 5 (see page 492)			

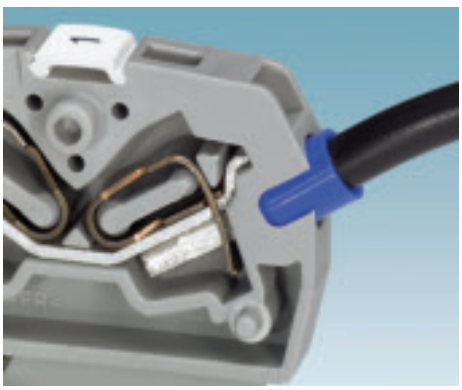
MZB and MSB mini spring-cage terminal blocks





Miniature terminal block with maximum use

Due to its space-saving design and the conductor entry from above and from the side, the MSB 2,5 and MSBV 2,5 mini spring-cage terminal blocks are ideal for wiring in extremely restricted spaces.



Maximum connection space

Due to the generous connection space, mini spring-cage terminal blocks enable fast wiring of Stranded and solid conductors. This also holds true for conductors with nominal cross-section and preassembled ferrule.



Flexible application

The mini spring-cage terminal blocks are available for DIN rail mounting on NS 15 or NS 35 and direct mounting with screw flange or engagement pins.

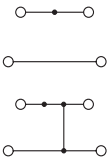
Mini multi-level terminal blocks MZFKK and MZFKKB

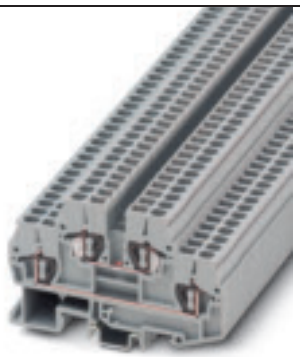
The mini double-level spring-cage terminal blocks carry two separate potentials in one terminal block. The wiring on two levels achieves a space savings of 50% compared to single-level terminal blocks with the same cross-section and pitch.

The MZFKKB double-level terminal blocks offer a bridging possibility on both levels.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

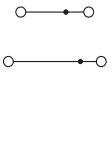
[1]) The max. load current must not be exceeded by the total current of all connected conductors.





MZFKK 1,5 ...

for mounting on an NS 15 or NS 35... DIN rail in accordance with EN 60715





MZFKKB 1,5

for mounting on an NS 15 or NS 35... DIN rail in accordance with EN 60715

Dimensions		Width	Length	Height NS 35/7,5		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**67.5**	**42.5**		**5.2**	**85**	**42.5**	
Dimensions		Width	Length	Height NS 15		Width	Length	Height NS 15	
	[mm]	**5.2**	**67.5**	**42**		**5.2**	**85**	**42**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG	$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		24	**500**	**0.14 - 2.5**	**26 - 14**	**20**	**500**	**0.14 - 2.5**	**26 - 14**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7	IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	600	-	-	500	600	-	-
Nominal current / cross-section	[A] / [mm²]	17.5 / 1.5	15 / -	- / -	-	17.5 / 1.5	15 / -	- / -	-
Rated cross-section	[mm²]	1.5	-	-	-	1.5	-	-	-
Cross-section range	AWG	26 - 14	26-14	-	-	26 - 14	26-14	-	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.14 - 2.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	0.14 - 2.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5
General data									
Stripping length	[mm]	9				9			
Insulating material		PA				PA			
Inflammability class acc. to UL 94		V0				V0			

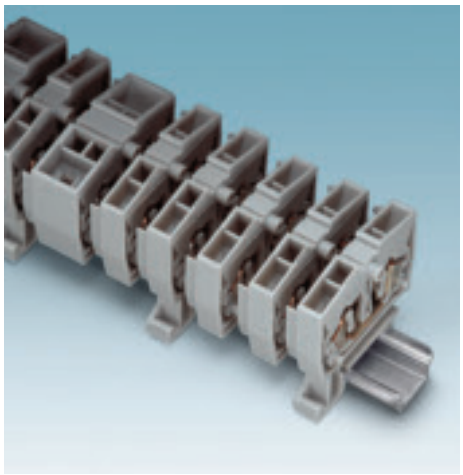
Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.	Type	I_{max}	Order No.	Pcs. / Pkt.
Mini spring-cage terminal block, for mounting on NS 15 or NS 35 DIN rail		Gray	**MZFKK 1,5**		**3029813**	50	**MZFKKB 1,5**		**3005714**	50
Mini spring-cage terminal, for mounting on NS 15 or NS 35 DIN rail, with potential distribution between the levels[1])		Gray	**MZFKK 1,5-PV**		**3029826**	50				

Accessories

Cover, width 1 mm		Gray	**D-MZFKK 1,5**		**3029839**	50	**D-MZFKK 1,5**		**3029839**	50
Fixed bridge, for cross connections in the terminal center, screw heads with insulation collar										
	2	Silver	**FBRI 2-5 N**	20 A	**3000227**	10	**FBRI 2-5 N**	20 A	**3000227**	10
	3	Silver	**FBRI 3-5 N**	20 A	**3000201**	10	**FBRI 3-5 N**	20 A	**3000201**	10
	10	Silver	**FBRI 10-5 N**	20 A	**2770642**	10	**FBRI 10-5 N**	20 A	**2770642**	10
Separating disk, for electrical separation of neighboring bridges, can be fitted later, no loss of pitch		Gray	**TS-KK 3**		**2770215**	50	**TS-KK 3**		**2770215**	50
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10	**SZF 1-0,6X3,5**		**1204517**	10
UniCard sheet, flat, for labeling the lateral groove			**UC-TMF 5 (see page 482)**				**UC-TMF 5 (see page 482)**			
Zack marker strip, flat, for labeling the lateral groove			**ZBF 5 (see page 492)**				**ZBF 5 (see page 492)**			

MZB mini spring-cage terminal block for mounting on a DIN rail NS 15



The demand for increasingly smaller terminal boxes is met by the new mini spring-cage terminal block MZB 1,5. This miniature terminal block is, however, also suited for applications in the connection of small motors and wiring in the lower power spectrum.

These terminal blocks are snapped onto each other in order to create composite blocks. In addition to the engagement pins, outer walls are also inserted into each of the locators of the neighboring terminal blocks. This causes an increase in the air and creepage distances that are decisive for the nominal voltage, allowing the MZB range to be employed with nominal voltages up to 800 V.

The MZB 1,5 version has an engagement foot for the 15 mm DIN rail.

Since potential distribution also poses a general problem for these miniature terminal blocks, the new range includes the type MZDB 1,5. With a pitch of just 10.4 mm, this terminal block version has four connection possibilities with an equal potential, permitting practical potential distribution.

Thanks to the generously sized insertion space, these terminal blocks of course allow 2.5 mm² solid conductors to be wired.

Current carrying capacity of DIN rails, see page 728.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) The max. load current must not be exceeded by the total current of all connected conductors.

[2]) For information on installation for using accessories for Ex e applications, see page 720.



MZB 1,5 ...

For mounting on 15 x 5 mm DIN rail as per EN 60715

Ex: KEMA 98ATEX0545U

Dimensions		Width	Length	Height NS 15	
	[mm]	**5.2**	**32**	**30**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		24	**800**	**0.14 - 2.5**	**26 - 14**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	800	600	-	690
Nominal current / cross-section	[A] / [mm²]	17.5 / 1.5	15 / -	- / -	16 / 1.5 // 22 / 2.5
Rated cross-section	[mm²]	1.5	-	-	1.5
Cross-section range	AWG	26 - 14	26-14	-	26 - 14
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.14 - 2.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1
General data					
Stripping length	[mm]	9			
Insulating material		PA			
Inflammability class acc. to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.
Mini spring-cage terminal block, for mounting on NS 15 DIN rail		Gray	**MZB 1,5**	**3003716**	50
		Blue	**MZB 1,5 BU**	**3005316**	50
Double mini spring-cage terminal block, with four terminal points having the same potential, for mounting on an NS 15 DIN rail		Gray			
		Blue			
Spring-cage ground terminal block, for mounting on NS 15 DIN rail		Green-yellow			

Accessories[2])

Cover, width 4 mm		Gray	**D-MZB 1,5**	**3024177**	50
		Blue	**D-MZB 1,5 BU**	**3024423**	50
Insertion bridge, fully insulated	2	Gray			
Screwdriver			**SZF 1-0,6X3,5**	**1204517**	10
UniCard sheet, flat, for labeling the center groove			**UC-TMF 5 (see page 482)**		
Zack marker strip, flat, for labeling the center groove			**ZBF 5 (see page 492)**		

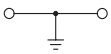


MZDB 1,5 ...

Double terminal block, for mounting on the 15 x 5 mm DIN rail as per EN 60715

Ex: KEMA 98ATEX0545U

Width	Length	Height NS 15	
10.4	**32**	**30**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
24[1])	**800**	**0.14 - 2.5**	**26 - 14**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800	600	-	690
17.5[1]) / 1.5	15 / -	- / -	17.5 / 1.5 // 24 / 2.5
1.5	-	-	1.5
26 - 14	26-14	-	26 - 14
Solid	Stranded	Ferrule without / with plastic sleeve	
0.14 - 2.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5 0.5 - 1
9			
PA			
V0			





MZB 1,5-PE

For mounting on 15 x 5 mm DIN rail as per EN 60715

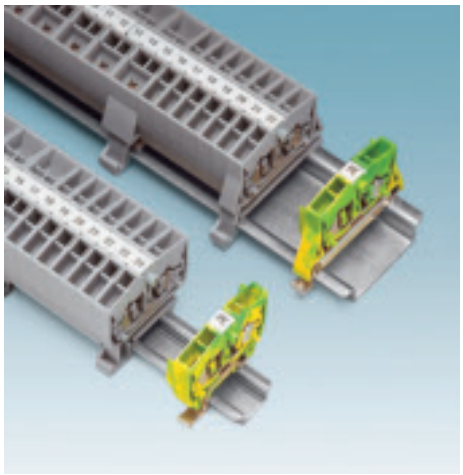
Ex: KEMA 98ATEX0544U

Width	Length	Height NS 15	
5.2	**32**	**30**	
		Max. Ø [mm²]	AWG
		0.14 - 2.5	**26 - 14**
IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	- / 1.5
1.5	-	-	1.5
26 - 14	26-14	-	26 - 14
Solid	Stranded	Ferrule without / with plastic sleeve	
0.14 - 2.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5 0.5 - 1
9			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
MZDB 1,5		**3003800**	50
MZDB 1,5 BU		**3005332**	50
D-MZB 1,5		**3024177**	50
D-MZB 1,5 BU		**3024423**	50
ESB 2-MZDB	24 A	**3029703**	10
SZF 1-0,6X3,5		**1204517**	10
UC-TMF 5 (see page 482)			
ZBF 5 (see page 492)			

Type	Order No.	Pcs. / Pkt.
MZB 1,5-PE	**3003729**	50
D-MZB 1,5	**3024177**	50
SZF 1-0,6X3,5	**1204517**	10
UC-TMF 5 (see page 482)		
ZBF 5 (see page 492)		

MZB mini spring-cage terminal block for mounting on a DIN rail NS 35



The MZB mini spring-cage terminal block is also available for the 35 mm DIN rail. As the MZB 1,5-NS 35, this mini terminal block offers the same advantages as the version for the 15 mm rail.

The family consists of feed-through, four-conductor and PE terminal blocks.

Current carrying capacity of DIN rails, see page 728.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) The max. load current must not be exceeded by the total current of all connected conductors.

[2]) For information on installation for using accessories for Ex e applications, see page 720.



MZB 1,5-NS35 ...

For mounting on NS 35 DIN rail as per EN 60715

Ex: KEMA 98ATEX0545U

Dimensions	Width	Length	Height NS 35/7,5	
[mm]	**5.2**	**42.7**	**32**	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
	24	**800**	**0.14 - 2.5**	**26 - 14**
Rated data	IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	800	600	-	690
Nominal current / cross-section [A] / [mm²]	17.5 / 1.5	15 / -	- / -	16 / 1.5 // 22 / 2.5
Rated cross-section [mm²]	1.5	-	-	1.5
Cross-section range AWG	26 - 14	26-14	-	26 - 14
Connection capacity	Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor [mm²]	0.14 - 2.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5
Two stranded conductors with a TWIN ferrule [mm²]				0.5 - 1
General data				
Stripping length [mm]	9			
Insulating material	PA			
Inflammability class acc. to UL 94	V0			

Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.
Mini spring-cage terminal block, for mounting on NS 35 DIN rail		Gray	**MZB 1,5-NS35**	**3003732**	50
		Blue	**MZB 1,5-NS35 BU**	**3005329**	50
Double mini spring-cage terminal block, with four terminal points having the same potential, for mounting on an NS 35 DIN rail		Gray			
		Blue			
Spring-cage ground terminal block, for mounting on NS 35 DIN rail		Green-yellow			

Accessories[2])

Cover, width 4 mm		Gray	**D-MZB 1,5-NS35**	**3024193**	50
		Blue	**D-MZB 1,5-NS35 BU**	**3024436**	50
Insertion bridge, fully insulated	2	Gray			
Screwdriver			**SZF 1-0,6X3,5**	**1204517**	10
UniCard sheet, flat, for labeling the center groove			**UC-TMF 5 (see page 482)**		
Zack marker strip, flat, for labeling the center groove			**ZBF 5 (see page 492)**		



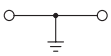
MZDB 1,5-NS35 ...

Double terminal block, for mounting on NS 35 DIN rail as per EN 60715

Ex: KEMA

KEMA 98ATEX0545U

Width	Length	Height NS 35/7,5	
10.4	**42.7**	**32**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
24[1])	**800**	**0.14 - 2.5**	**26 - 14**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800	600	-	690
17.5[1]) / 1.5	15 / -	- / -	17.5 / 1.5 // 24 / 2.5
1.5	-	-	1.5
26 - 14	26-14	-	26 - 14
Solid	Stranded	Ferrule without / with plastic sleeve	
0.14 - 2.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5 0.5 - 1
9			
PA			
V0			





MZB 1,5-NS35-PE

For mounting on NS 35 DIN rail as per EN 60715

Ex: KEMA

KEMA 98ATEX0544U

Width	Length	Height NS 35/7,5	
5.2	**42.7**	**32**	
		Max. Ø [mm²]	AWG
		0.14 - 2.5	**26 - 14**
IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	- / 1.5
1.5	-	-	1.5
26 - 14	26-14	-	26 - 14
Solid	Stranded	Ferrule without / with plastic sleeve	
0.14 - 2.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5 0.5 - 1
9			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
MZDB 1,5-NS35		**3003826**	50
MZDB 1,5-NS35 BU		**3005345**	50
D-MZDB 1,5-NS35		**3024193**	50
D-MZDB 1,5-NS35 BU		**3024436**	50
ESB 2-MZDB	24 A	**3029703**	10
SZF 1-0,6X3,5		**1204517**	10
UC-TMF 5 (see page 482)			
ZBF 5 (see page 492)			

Type	Order No.	Pcs. / Pkt.
MZB 1,5-NS35-PE	**3003745**	50
D-MZB 1,5-NS35	**3024193**	50
SZF 1-0,6X3,5	**1204517**	10
UC-TMF 5 (see page 482)		
ZBF 5 (see page 492)		

Mini spring-cage terminal block for direct assembly

The MZB 1,5-M are middle terminal blocks that are equipped with a flat mounting plate on the bottom side. In combination with the flange terminal block MZB 1,5-F on one side and the flange cover D-MZB 1,5-F on the other, the MZB 1,5-M can be screwed tightly onto the mounting plate.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) For information on installation for using accessories for Ex e applications, see page 720.



MZB 1,5-...

Middle terminal block, for direct mounting

Ex: KEMA 98ATEX0545U



MZB 1,5-RZ ...

Middle terminal block, for direct mounting, with engagement pin

Ex: KEMA 98ATEX0545U

Dimensions		Width	Length	Height		Width	Length	Height	
	[mm]	**5.2**	**32**	**22**		**5.2**	**32**	**22**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG	$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		24	**800**	**0.14 - 2.5**	**26 - 14**	**24**	**800**	**0.14 - 2.5**	**26 - 14**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7	IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	800	600	-	690	800	600	-	690
Nominal current / cross-section	[A] / [mm²]	17.5 / 1.5	15 / -	- / -	16 / 1.5	17.5 / 1.5	15 / -	- / -	16 / 1.5 // 22 / 2.5
Rated cross-section	[mm²]	1.5	-	-	1.5	1.5	-	-	1.5
Cross-section range	AWG	26 - 14	26-14	-	26 - 14	26 - 14	26-14	-	26 - 14
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.14 - 2.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	0.14 - 2.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1				0.5 - 1
General data									
Plate thickness	[mm]	-				0.6 - 1.5			
Hole diameter	[mm]	-				3.5			
Drill hole spacing	[mm]	-				5.2			
Stripping length	[mm]	9				9			
Insulating material		PA				PA			
Inflammability class acc. to UL 94		V0				V0			

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Mini spring-cage terminal block, middle terminal block, mounting with flange end terminal block and end cover	Gray	**MZB 1,5-M**	**3003774**	50			
	Blue	**MZB 1,5-M BU**	**3003790**	50			
	Yellow	**MZB 1,5-M YE**	**3029716**	50			
	Orange	**MZB 1,5-M OG**	**3006658**	50			
Mini spring-cage terminal block, flange end terminal block, mounting with middle terminal block cover D-MZB 1,5-F	Gray	**MZB 1,5-F**	**3003761**	50			
	Blue	**MZB 1,5-F BU**	**3005358**	50			
Mini spring-cage terminal block, with **engagement pin** for direct assembly	Gray				**MZB 1,5-RZ**	**3029635**	50
	Blue				**MZB 1,5-RZ BU**	**3029651**	50
	Yellow				**MZB 1,5-RZ YE**	**3029729**	50
	Orange				**MZB 1,5-RZ OG**	**3029732**	50

Accessories[1])

Cover, width 4 mm	Gray	**D-MZB 1,5**	**3024177**	50	**D-MZB 1,5**	**3024177**	50
	Blue	**D-MZB 1,5 BU**	**3024423**	50	**D-MZB 1,5 BU**	**3024423**	50
Cover, with flange, width 9.9 mm	Gray	**D-MZB 1,5-F**	**3024180**	50			
	Blue	**D-MZB 1,5-F BU**	**3024449**	50			
Screwdriver		**SZF 1-0,6X3,5**	**1204517**	10	**SZF 1-0,6X3,5**	**1204517**	10
UniCard sheet, flat, for labeling the center groove		**UC-TMF 5 (see page 482)**			**UC-TMF 5 (see page 482)**		
Zack marker strip, flat, for labeling the center groove		**ZBF 5 (see page 492)**			**ZBF 5 (see page 492)**		

Mini spring-cage terminal block for direct assembly

As with the rail-mountable MZB types, the versions MZDB 1.5-M and MZDB 1,5-F have a double connection with a pitch of only 10.4 mm.

The MZDB 1,5-RZ engagement pin variant can be directly snapped into pre-drilled base boards.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) The max. load current must not be exceeded by the total current of all connected conductors.

[2]) For information on installation for using accessories for Ex e applications, see page 720.



MZDB 1,5-...

Double middle terminal block, for direct mounting

Ex: KEMA 98ATEX0545U



MZDB 1,5-RZ ...

Double middle terminal block, for direct mounting, with engagement pin

Ex: KEMA 98ATEX0545U

Dimensions		Width	Length	Height		Width	Length	Height	
	[mm]	**10.4**	**32**	**22**		**10.4**	**32**	**22**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG	$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		24[1])	**800**	**0.14 - 2.5**	**26 - 14**	**24[1])**	**800**	**0.14 - 2.5**	**26 - 14**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7	IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	800	600	-	690	800	600	-	690
Nominal current / cross-section	[A] / [mm²]	17.5[1]) / 1.5	15 / -	- / -	17.5 / 1.5 // 24 / 2.5	17.5[1]) / 1.5	15 / -	- / -	17.5 / 1.5 // 24 / 2.5
Rated cross-section	[mm²]	1.5	-	-	1.5	1.5	-	-	1.5
Cross-section range	AWG	26 - 14	26-14	-	26 - 14	26 - 14	26-14	-	26 - 14
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.14 - 2.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	0.14 - 2.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1				0.5 - 1
General data									
Plate thickness	[mm]	-				0.6 - 1.5			
Hole diameter	[mm]	-				3.5			
Drill hole spacing	[mm]	-				10.4			
Stripping length	[mm]	9				9			
Insulating material		PA				PA			
Inflammability class acc. to UL 94		V0				V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.	Type	I_{max}	Order No.	Pcs. / Pkt.
Double mini spring-cage terminal block, middle terminal block, with four terminal points having the same potential, mounting in conjunction with flange end terminal block and end cover		Gray	**MZDB 1,5-M**		**3003842**	50				
		Blue	**MZDB 1,5-M BU**		**3003868**	50				
		Yellow	**MZDB 1,5-M YE**		**3029619**	50				
		Orange	**MZDB 1,5-M OG**		**3029622**	50				
Double mini spring-cage terminal block, flange end terminal block, with four terminal points having the same potential, mounting in conjunction with middle terminal blocks and the D-MZB 1,5-F cover		Gray	**MZDB 1,5-F**		**3003839**	50				
		Blue	**MZDB 1,5-F BU**		**3005361**	50				
Double mini spring-cage terminal block, with four terminal points having the same potential, with **engagement pin** for direct mounting		Gray					**MZDB 1,5-RZ**		**3029648**	50
		Blue					**MZDB 1,5-RZ BU**		**3029664**	50
		Yellow					**MZDB 1,5-RZ YE**		**3029745**	50
		Orange					**MZDB 1,5-RZ OG**		**3029758**	50

Accessories[2])

Cover, width 4 mm		Gray	**D-MZB 1,5**		**3024177**	50	**D-MZB 1,5**		**3024177**	50
		Blue	**D-MZB 1,5 BU**		**3024423**	50	**D-MZB 1,5 BU**		**3024423**	50
Cover, with flange, width 9.9 mm		Gray	**D-MZB 1,5-F**		**3024180**	50				
		Blue	**D-MZB 1,5-F BU**		**3024449**	50				
Insertion bridge, fully insulated	2	Gray	**ESB 2-MZDB**	24 A	**3029703**	10	**ESB 2-MZDB**	24 A	**3029703**	10
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10	**SZF 1-0,6X3,5**		**1204517**	10
UniCard sheet, flat, for labeling the center groove			**UC-TMF 5 (see page 482)**				**UC-TMF 5 (see page 482)**			
Zack marker strip, flat, for labeling the center groove			**ZBF 5 (see page 492)**				**ZBF 5 (see page 492)**			

Mini spring-cage terminal block for mounting on a DIN rail NS 15

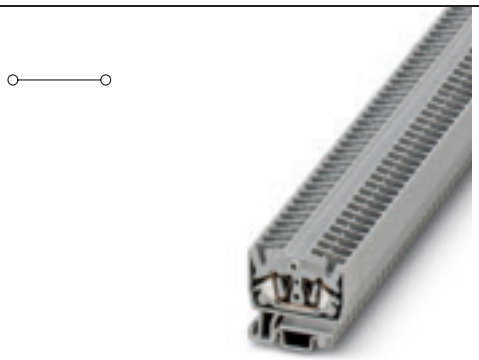
The new MS(D)B 2,5 mini spring-cage terminal blocks meet the requirements for smaller terminal boxes. The terminal blocks can be pre-assembled in combination with the MS(D)B 2,5-M middle terminal blocks to form terminal block bases.

The MZB 1,5-PE are the same shape and can thus be aligned.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

1) The max. load current must not be exceeded by the total current of all connected conductors.

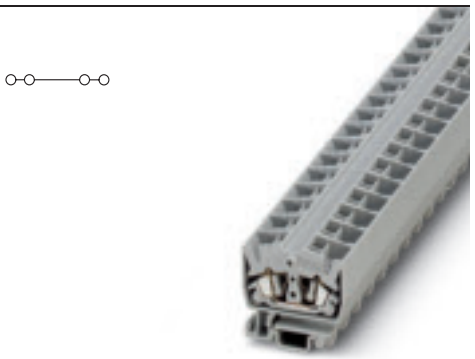
2) For information on installation for using accessories for Ex e applications, see page 720.



MSB 2,5 ...

For mounting on 15 x 5 mm DIN rail as per EN60715

Ex: PTB 08ATEX1075U / IECEx PTB 08.0048U



MSDB 2,5 ...

Double terminal block, for mounting on the 15 x 5 mm DIN rail as per EN 60715

Ex: PTB 08ATEX1075U / IECEx PTB 08.0048U

Dimensions		Width	Length	Height NS 15	
	[mm]	**5.2**	**32**	**30**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		30	**800**	**0.08 - 4**	**28 - 12**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	800	600	-	690
Nominal current / cross-section	[A] / [mm²]	24 / 2.5	20 / -	- / -	22 / 2.5 // 28 / 4
Rated cross-section	[mm²]	2.5	-	-	2.5
Cross-section range	AWG	28 - 12	28-12	-	28 - 12
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]				0.5
General data					
Stripping length	[mm]	8			
Insulating material		PA			
Inflammability class acc. to UL 94		V0			

Dimensions		Width	Length	Height NS 15	
	[mm]	**10.4**	**32**	**30**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		30[1])	**800**	**0.08 - 4**	**28 - 12**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	800	600	-	690
Nominal current / cross-section	[A] / [mm²]	24[1]) / 2.5	20 / -	- / -	22 / 2.5 // 28 / 4
Rated cross-section	[mm²]	2.5	-	-	2.5
Cross-section range	AWG	28 - 12	28-12	-	28 - 12
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]				0.5
General data					
Stripping length	[mm]	8			
Insulating material		PA			
Inflammability class acc. to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.
Mini terminal block, for mounting on NS 15		Gray	**MSB 2,5**	**3244012**	50
		Blue	**MSB 2,5 BU**	**3244025**	50
		Orange	**MSB 2,5 OG**	**3244038**	50
		Yellow	**MSB 2,5 YE**	**3073092**	50
Double mini terminal block, with four terminal points having the same potential, for mounting on NS 15		Gray			
		Blue			
		Orange			
		Yellow			

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Double mini terminal block, with four terminal points having the same potential, for mounting on NS 15		Gray	**MSDB 2,5**		**3244216**	50
		Blue	**MSDB 2,5 BU**		**3244229**	50
		Orange	**MSDB 2,5 OG**		**3073102**	50
		Yellow	**MSDB 2,5 YE**		**3073115**	50

Accessories[2])

Cover, width 4 mm		Gray	**D-MZB 1,5**	**3024177**	50
		Blue	**D-MZB 1,5 BU**	**3024423**	50
Insertion bridge, fully insulated	2	Gray			
Screwdriver			**SZF 1-0,6X3,5**	**1204517**	10
UniCard sheet, flat, for labeling the center groove			**UC-TMF 5 (see page 482)**		
Zack marker strip, flat, for labeling the center groove			**ZBF 5 (see page 492)**		

Cover, width 4 mm		Gray	**D-MZB 1,5**		**3024177**	50
		Blue	**D-MZB 1,5 BU**		**3024423**	50
Insertion bridge, fully insulated						
	2	Gray	**ESB 2-MZDB**	24 A	**3029703**	10
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10
UniCard sheet, flat, for labeling the center groove			**UC-TMF 5 (see page 482)**			
Zack marker strip, flat, for labeling the center groove			**ZBF 5 (see page 492)**			

Mini spring-cage terminal block for mounting on a DIN rail NS 35

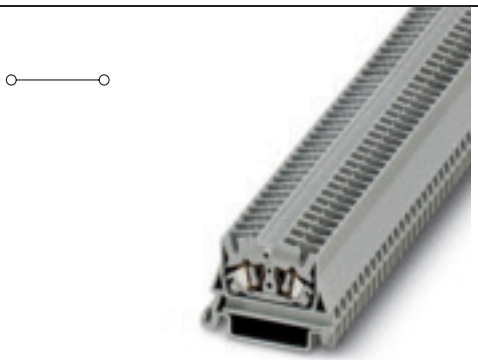
The MS(D)B mini spring-cage terminal blocks are also available for the 35 mm DIN rail. As the MS(D)B 2,5-NS 35, these mini terminal blocks offer the same advantages as the versions for the 15 mm rail.

The MZB 1,5-NS 35-PE are the same shape and can thus be aligned.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) The max. load current must not be exceeded by the total current of all connected conductors.

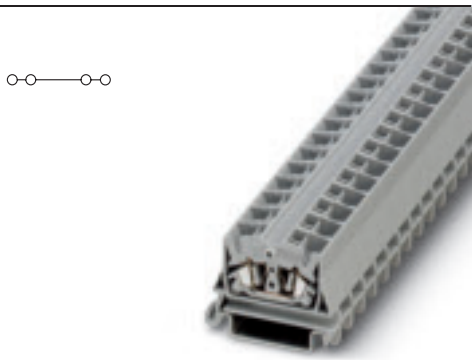
[2]) For information on installation for using accessories for Ex e applications, see page 720.



MSB 2,5-NS 35 ...

For mounting on NS 35 DIN rail as per EN 60715

Ex: PTB 08ATEX1075U / IECEx PTB 08.0048U



MSDB 2,5-NS 35 ...

Double terminal block, for mounting on NS 35 DIN rail as per EN 60715

Ex: PTB 08ATEX1075U / IECEx PTB 08.0048U

		MSB 2,5-NS 35 ...				MSDB 2,5-NS 35 ...			
Dimensions		Width	Length	Height NS 35/7,5		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**42.7**	**32**		**10.4**	**42.7**	**32**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG	$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		30	**800**	**0.08 - 4**	**28 - 12**	**30[1])**	**800**	**0.08 - 4**	**28 - 12**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7	IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	800	600	-	690	800	600	-	690
Nominal current / cross-section	[A] / [mm²]	24 / 2.5	20 / -	- / -	22 / 2.5 // 28 / 4	24[1]) / 2.5	20 / -	- / -	22 / 2.5 // 28 / 4
Rated cross-section	[mm²]	2.5	-	-	2.5	2.5	-	-	2.5
Cross-section range	AWG	28 - 12	28-12	-	28 - 12	28 - 12	28-12	-	28 - 12
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]				0.5				0.5
General data									
Stripping length	[mm]	8				8			
Insulating material		PA				PA			
Inflammability class acc. to UL 94		V0				V0			

Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.	Type	I_{max}	Order No.	Pcs. / Pkt.
Mini terminal block, for mounting on NS 35		Gray	**MSB 2,5-NS 35**	**3244119**	50				
		Blue	**MSB 2,5-NS 35 BU**	**3244122**	50				
		Orange	**MSB 2,5-NS 35 OG**	**3244135**	50				
		Yellow	**MSB 2,5-NS 35 YE**	**3073128**	50				
Double mini terminal block, with four terminal points having the same potential, for mounting on NS 35		Gray				**MSDB 2,5-NS 35**		**3244300**	50
		Blue				**MSDB 2,5-NS 35 BU**		**3244313**	50
		Orange				**MSDB 2,5-NS 35 OG**		**3244326**	50
		Yellow				**MSDB 2,5-NS 35 YE**		**3073131**	50

Accessories[2])

Cover, width 4 mm		Gray	**D-MZB 1,5**	**3024177**	50	**D-MZB 1,5**		**3024177**	50
		Blue	**D-MZB 1,5 BU**	**3024423**	50	**D-MZB 1,5 BU**		**3024423**	50
Insertion bridge, fully insulated									
	2	Gray				**ESB 2-MZDB**	24 A	**3029703**	10
Screwdriver			**SZF 1-0,6X3,5**	**1204517**	10	**SZF 1-0,6X3,5**		**1204517**	10
UniCard sheet, flat, for labeling the center groove			**UC-TMF 5 (see page 482)**			**UC-TMF 5 (see page 482)**			
Zack marker strip, flat, for labeling the center groove			**ZBF 5 (see page 492)**			**ZBF 5 (see page 492)**			

Mini spring-cage terminal block for direct assembly

The MS(D)B 2,5-M are middle terminal blocks that are equipped with a flat mounting plate on the bottom side. In combination with the flange terminal block MS(D)B 2,5-F on one side and the flange cover D-MZB 1,5-F on the other, the MSB 2,5-M can be screwed tightly onto a mounting plate.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) The max. load current must not be exceeded by the total current of all connected conductors.

[2]) For information on installation for using accessories for Ex e applications, see page 720.



MSB 2,5-...

Middle terminal block, for direct mounting

Ex: PTB 08ATEX1075U / IECEx PTB 08.0048U



MSDB 2,5-...

Double middle terminal block, for direct mounting

Ex: PTB 08ATEX1075U / IECEx PTB 08.0048U

Dimensions		Width	Length	Height	
	[mm]	**5.2**	**32**	**22**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		30	**800**	**0.08 - 4**	**28 - 12**
		IEC 60947-7-1			
Rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	800	600	-	550
Nominal current / cross-section	[A] / [mm²]	24 / 2.5	20 / -	- / -	22 / 2.5 // 28 / 4
Rated cross-section	[mm²]	2.5	-	-	2.5
Cross-section range	AWG	28 - 12	28-12	-	28 - 12
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]				0.5
General data					
Stripping length	[mm]	8			
Insulating material		PA			
Inflammability class acc. to UL 94		V0			

Dimensions		Width	Length	Height			
	[mm]	**10.4**	**32**	**22**			
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG		
		30[1])	**800**	**0.08 - 4**	**28 - 12**		
		IEC 60947-7-1					
Rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7		
Rated voltage	[V]	800	600	-	550		
Nominal current / cross-section	[A] / [mm²]	24[1]) / 2.5	20 / -	- / -	22 / 2.5 // 28 / 4		
Rated cross-section	[mm²]	2.5	-	-	2.5		
Cross-section range	AWG	28 - 12	28-12	-	28 - 12		
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve			
One conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5		
Two stranded conductors with a TWIN ferrule	[mm²]				0.5		
General data							
Stripping length	[mm]	8					
Insulating material		PA					
Inflammability class acc. to UL 94		V0					

Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.	Type	I_{max}	Order No.	Pcs. / Pkt.
Mini middle terminal block, mounting in conjunction with flange and engagement pin versions		Gray	**MSB 2,5-M**	**3244067**	50				
		Blue	**MSB 2,5-M BU**	**3244070**	50				
		Orange	**MSB 2,5-M OG**	**3244096**	50				
		Yellow	**MSB 2,5-M YE**	**3244106**	50				
Mini flange terminal block, for direct mounting with screws		Gray	**MSB 2,5-F**	**3244041**	50				
		Blue	**MSB 2,5-F BU**	**3244054**	50				
Mini middle terminal block, double connection, mounting in conjunction with flange and engagement pin versions		Gray				**MSDB 2,5-M**		**3244258**	50
		Blue				**MSDB 2,5-M BU**		**3244261**	50
		Orange				**MSDB 2,5-M OG**		**3244287**	50
		Yellow				**MSDB 2,5-M YE**		**3244290**	50
Mini flange terminal block, double connection, for direct mounting with screws		Gray				**MSDB 2,5-F**		**3244232**	50
		Blue				**MSDB 2,5-F BU**		**3244245**	50

Accessories[2])

Cover, width 4 mm		Gray	**D-MZB 1,5**	**3024177**	50	**D-MZB 1,5**		**3024177**	50
		Blue	**D-MZB 1,5 BU**	**3024423**	50	**D-MZB 1,5 BU**		**3024423**	50
Cover, with flange, width 9.9 mm		Gray	**D-MZB 1,5-F**	**3024180**	50	**D-MZB 1,5-F**		**3024180**	50
		Blue	**D-MZB 1,5-F BU**	**3024449**	50	**D-MZB 1,5-F BU**		**3024449**	50
Insertion bridge, fully insulated	2	Gray				**ESB 2-MZDB**	24 A	**3029703**	10
Screwdriver			**SZF 1-0,6X3,5**	**1204517**	10	**SZF 1-0,6X3,5**		**1204517**	10
UniCard sheet, flat, for labeling the center groove			**UC-TMF 5 (see page 482)**			**UC-TMF 5 (see page 482)**			
Zack marker strip, flat, for labeling the center groove			**ZBF 5 (see page 492)**			**ZBF 5 (see page 492)**			

Mini spring-cage terminal block for direct assembly

The engagement pin versions MS(D)B 2,5-RZ can be directly snapped onto pre-drilled base plates. They can be freely combined with the MS(D)B 2,5-M middle terminal blocks.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

1) The max. load current must not be exceeded by the total current of all connected conductors.

2) For information on installation for using accessories for Ex e applications, see page 720.



MSB 2,5-RZ ...

Middle terminal block, for direct mounting, with engagement pin

Ex: PTB 08ATEX1075U / IECEx PTB 08.0048U



MSDB 2,5-RZ ...

Double middle terminal block, for direct mounting, with engagement pin

Ex: PTB 08ATEX1075U / IECEx PTB 08.0048U

Dimensions		Width	Length	Height		Width	Length	Height	
	[mm]	**5.2**	**32**	**22**		**10.4**	**32**	**22**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG	$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		30	**800**	**0.08 - 4**	**28 - 12**	**30[1])**	**800**	**0.08 - 4**	**28 - 12**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7	IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	800	600	-	550	800	600	-	550
Nominal current / cross-section	[A] / [mm²]	24 / 2.5	20 / -	- / -	22 / 2.5 // 28 / 4	24[1]) / 2.5	20 / -	- / -	22 / 2.5 // 28 / 4
Rated cross-section	[mm²]	2.5	-	-	2.5	2.5	-	-	2.5
Cross-section range	AWG	28 - 12	28-12	-	28 - 12	28 - 12	28-12	-	28 - 12
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]				0.5				0.5
General data									
Plate thickness	[mm]	0.6 - 1.5				0.6 - 1.5			
Hole diameter	[mm]	3.5				3.5			
Drill hole spacing	[mm]	5.2				10.3			
Stripping length	[mm]	8				8			
Insulating material		PA				PA			
Inflammability class acc. to UL 94		V0				V0			

Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.	Type	I_{max}	Order No.	Pcs. / Pkt.
Mini terminal block, for direct mounting using engagement pins		Gray	**MSB 2,5-RZ**	**3244164**	50				
		Blue	**MSB 2,5-RZ BU**	**3244177**	50				
		Orange	**MSB 2,5-RZ OG**	**3244193**	50				
		Yellow	**MSB 2,5-RZ YE**	**3244203**	50				
Double mini terminal block, with four terminal points having the same potential, for direct mounting with an engagement pin		Gray				**MSDB 2,5-RZ**		**3244339**	50
		Blue				**MSDB 2,5-RZ BU**		**3244342**	50
		Orange				**MSDB 2,5-RZ OG**		**3244368**	50
		Yellow				**MSDB 2,5-RZ YE**		**3244371**	50

Accessories[2])

Cover, width 4 mm		Gray	**D-MZB 1,5**	**3024177**	50	**D-MZB 1,5**		**3024177**	50
		Blue	**D-MZB 1,5 BU**	**3024423**	50	**D-MZB 1,5 BU**		**3024423**	50
Insertion bridge, fully insulated									
	2	Gray				**ESB 2-MZDB**	24 A	**3029703**	10
Screwdriver			**SZF 1-0,6X3,5**	**1204517**	10	**SZF 1-0,6X3,5**		**1204517**	10
UniCard sheet, flat, for labeling the center groove			**UC-TMF 5 (see page 482)**			**UC-TMF 5 (see page 482)**			
Zack marker strip, flat, for labeling the center groove			**ZBF 5 (see page 492)**			**ZBF 5 (see page 492)**			

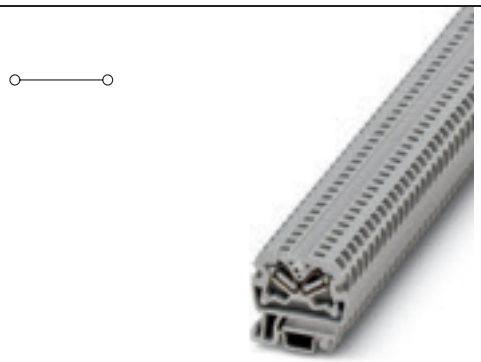
Mini spring-cage terminal block, with lateral conductor entry, for DIN rail mounting

Thanks to the side conductor connection, the MSBV 2,5 versions are especially suitable for mounting locations with a low installation height. The terminal block can be actuated from the side as well as from the front using a standard screwdriver.

The MZB 1,5-PE are the same shape and can thus be aligned.

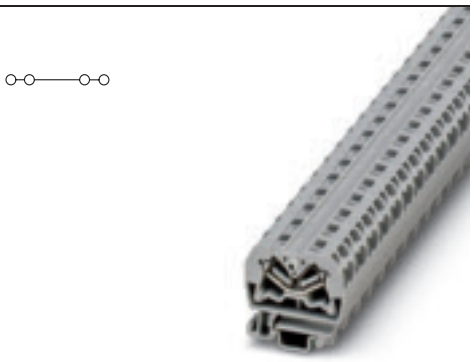
For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) The max. load current must not be exceeded by the total current of all connected conductors.



MSBV 2,5 ...

For mounting on 15 x 5 mm DIN rail as per EN 60715



MSDBV 2,5 ...

Double terminal block, for mounting on the 15 x 5 mm DIN rail as per EN 60715

Dimensions		Width	Length	Height NS 15	
	[mm]	**5.2**	**32**	**30**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		30	**800**	**0.08 - 4**	**28 - 12**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	800	600	-	-
Nominal current / cross-section	[A] / [mm²]	24 / 2.5	20 / -	- / -	-
Rated cross-section	[mm²]	2.5	-	-	-
Cross-section range	AWG	28 - 12	28-12	-	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]				0.5
General data					
Stripping length	[mm]	8			
Insulating material		PA			
Inflammability class acc. to UL 94		V0			

Dimensions		Width	Length	Height NS 15	
	[mm]	**10.4**	**32**	**30**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		30[1])	**800**	**0.08 - 4**	**28 - 12**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	800	600	-	-
Nominal current / cross-section	[A] / [mm²]	24[1]) / 2.5	20 / -	- / -	-
Rated cross-section	[mm²]	2.5	-	-	-
Cross-section range	AWG	28 - 12	28-12	-	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]				0.5
General data					
Stripping length	[mm]	8			
Insulating material		PA			
Inflammability class acc. to UL 94		V0			

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Mini terminal block, with lateral conductor entry, for mounting on NS 15	Gray	**MSBV 2,5**	**3249017**	50
	Blue	**MSBV 2,5 BU**	**3249020**	50
	Orange	**MSBV 2,5 OG**	**3073157**	50
	Yellow	**MSBV 2,5 YE**	**3073144**	50
Double miniature terminal block, with 4 equipotential terminal points, with lateral conductor entry, for direct mounting on NS 15	Gray			
	Blue			
	Orange			
	Yellow			

Type	Order No.	Pcs. / Pkt.
MSDBV 2,5	**3249143**	50
MSDBV 2,5 BU	**3249156**	50
MSDBV 2,5 OG	**3073173**	50
MSDBV 2,5 YE	**3073160**	50

Accessories

Cover, width 4 mm	Gray	**D-MSBV 2,5**	**3251018**	50
Screwdriver		**SZF 1-0,6X3,5**	**1204517**	10
UniCard sheet, flat, for labeling the center groove		**UC-TMF 5 (see page 482)**		
Zack marker strip, flat, for labeling the center groove		**ZBF 5 (see page 492)**		

D-MSBV 2,5	**3251018**	50
SZF 1-0,6X3,5	**1204517**	10
UC-TMF 5 (see page 482)		
ZBF 5 (see page 492)		

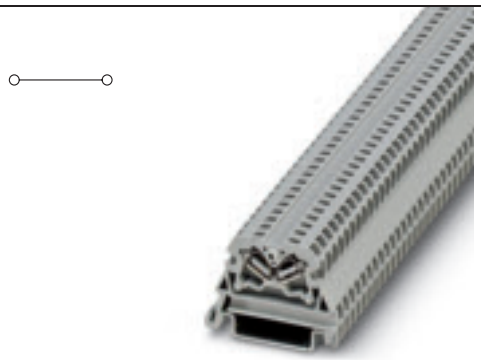
Mini spring-cage terminal block, with lateral conductor entry, for DIN rail mounting

The MS(D)BV mini spring-cage terminal blocks are also available for the 35 mm DIN rail. As the MS(D)BV 2,5-NS 35, these mini terminal blocks offer the same advantages as the versions for the 15 mm rail.

The MZB 1,5-NS35-PE are the same shape and can thus be aligned.

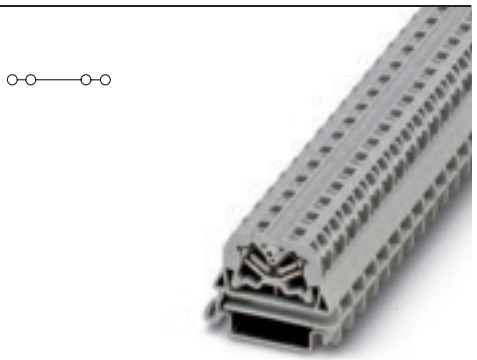
For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) The max. load current must not be exceeded by the total current of all connected conductors.



MSBV 2,5-NS 35 ...

For mounting on NS 35 DIN rail as per EN 60715



MSDBV 2,5-NS 35 ...

Double terminal block, for mounting on NS 35 DIN rail as per EN 60715

		MSBV 2,5-NS 35 ...				MSDBV 2,5-NS 35 ...			
Dimensions		Width	Length	Height NS 35/7,5		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**42.7**	**32**		**10.4**	**42.7**	**32**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG	$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		30	**800**	**0.08 - 4**	**28 - 12**	**30[1])**	**800**	**0.08 - 4**	**28 - 12**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7	IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	800	600	-	-	800	600	-	-
Nominal current / cross-section	[A] / [mm²]	24 / 2.5	20 / -	- / -	-	24[1]) / 2.5	20 / -	- / -	-
Rated cross-section	[mm²]	2.5	-	-	-	2.5	-	-	-
Cross-section range	AWG	28 - 12	28-12	-	28 - 12	28 - 12	28-12	-	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]				0.5				0.5
General data									
Stripping length	[mm]	8				8			
Insulating material		PA				PA			
Inflammability class acc. to UL 94		V0				V0			

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Mini terminal block, with lateral conductor entry, for mounting on NS 35	Gray	**MSBV 2,5-NS 35**	**3249088**	50			
	Blue	**MSBV 2,5-NS 35 BU**	**3249091**	50			
	Orange	**MSBV 2,5-NS 35 OG**	**3073199**	50			
	Yellow	**MSBV 2,5-NS 35 YE**	**3073186**	50			
Double miniature terminal block, with 4 equipotential terminal points, with lateral conductor entry, for direct mounting on NS 35	Gray				**MSDBV 2,5-NS 35**	**3249211**	50
	Blue				**MSDBV 2,5-NS 35 BU**	**3249224**	50
	Orange				**MSDBV 2,5-NS 35 OG**	**3073212**	50
	Yellow				**MSDBV 2,5-NS 35 YE**	**3073209**	50

Accessories

Cover, width 4 mm	Gray	**D-MSBV 2,5**	**3251018**	50	**D-MSBV 2,5**	**3251018**	50
Screwdriver		**SZF 1-0,6X3,5**	**1204517**	10	**SZF 1-0,6X3,5**	**1204517**	10
UniCard sheet, flat, for labeling the center groove		**UC-TMF 5 (see page 482)**			**UC-TMF 5 (see page 482)**		
Zack marker strip, flat, for labeling the center groove		**ZBF 5 (see page 492)**			**ZBF 5 (see page 492)**		

Mini spring-cage terminal block, with lateral conductor entry, for direct mounting

The MS(D)BV 2,5-M are middle terminal blocks that are equipped with a flat mounting plate on the bottom side. In combination with the flange terminal block MS(D)BV 2,5-F on one side and the flange cover D-MSBV 2,5-F on the other, the MS(D)BV 2,5-M can be screwed tightly onto a mounting plate.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) The max. load current must not be exceeded by the total current of all connected conductors.



MSBV 2,5-...

Middle terminal block, for direct mounting

Dimensions		Width	Length	Height	
	[mm]	**5.2**	**32**	**20**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		30	**800**	**0.08 - 4**	**28 - 12**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	800	600	-	-
Nominal current / cross-section	[A] / [mm²]	24 / 2.5	20 / -	- / -	-
Rated cross-section	[mm²]	2.5	-	-	-
Cross-section range	AWG	28 - 12	28-12	-	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]				0.5
General data					
Stripping length	[mm]	8			
Insulating material		PA			
Inflammability class acc. to UL 94		V0			

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Mini middle terminal block, with lateral conductor entry, mounting in conjunction with flange and engagement pin versions	Gray	**MSBV 2,5-M**	**3249062**	50
	Blue	**MSBV 2,5-M BU**	**3249075**	50
	Orange	**MSBV 2,5-M OG**	**3073238**	50
	Yellow	**MSBV 2,5-M YE**	**3073225**	50
Mini flange terminal block, with lateral conductor entry, for direct mounting with screws	Gray	**MSBV 2,5-F**	**3249059**	50
	Blue	**MSBV 2,5-F BU**	**3249046**	50
Double miniature terminal block, middle terminal block, with 4 equipotential bonding terminal points, with lateral conductor entry, mounting in connection with flange and engagement pin variants	Gray			
	Blue			
	Orange			
	Yellow			
Double miniature terminal block, flange terminal block, with 4 equipotential bonding terminal points, with lateral conductor entry, for direct mounting with screws	Gray			
	Blue			

Accessories

Cover, width 4 mm	Gray	**D-MSBV 2,5**	**3251018**	50
Flange cover, for direct mounting with screws	Gray	**D-MSBV 2,5-F**	**3251021**	50
Screwdriver		**SZF 1-0,6X3,5**	**1204517**	10
UniCard sheet, flat, for labeling the center groove		**UC-TMF 5 (see page 482)**		
Zack marker strip, flat, for labeling the center groove		**ZBF 5 (see page 492)**		

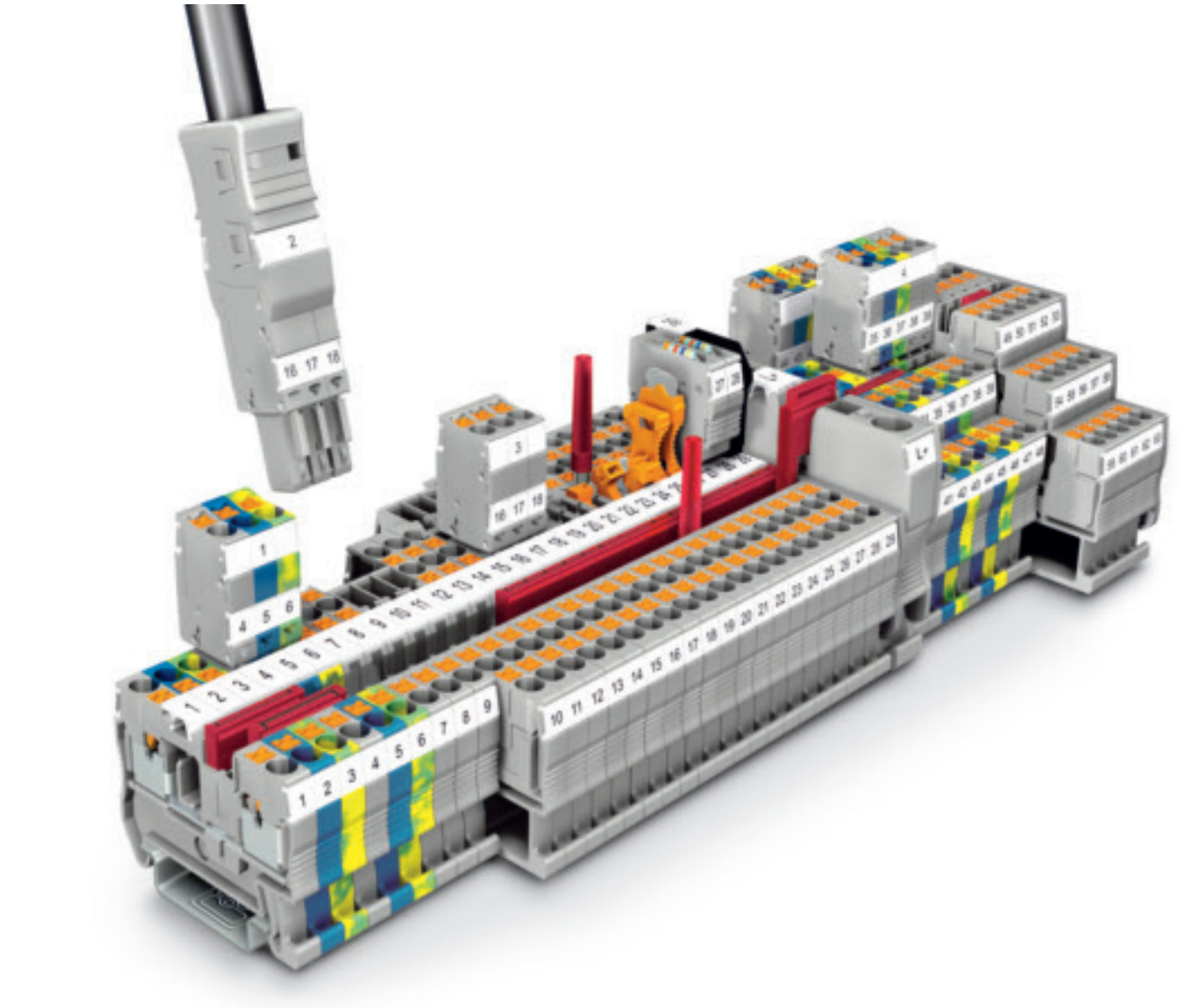


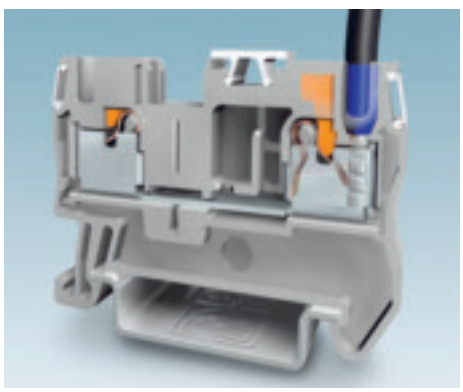
MSDBV 2,5-...

Double middle terminal block, for direct mounting

Width	Length	Height	
10.4	**32**	**20**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
30[1])	**800**	**0.08 - 4**	**28 - 12**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800	600	-	-
24[1]) / 2.5	20 / -	- / -	-
2.5	-	-	-
28 - 12	28-12	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
8			
PA			
V0			

Type	Order No.	Pcs. / Pkt.
MSDBV 2,5-M	**3249198**	50
MSDBV 2,5-M BU	**3249208**	50
MSDBV 2,5-M OG	**3073254**	50
MSDBV 2,5-M YE	**3073241**	50
MSDBV 2,5-F	**3249172**	50
MSDBV 2,5-F BU	**3249185**	50
D-MSBV 2,5	**3251018**	50
D-MSBV 2,5-F	**3251021**	50
SZF 1-0,6X3,5	**1204517**	10
UC-TMF 5 (see page 482)		
ZBF 5 (see page 492)		





PIT push-in connection method

The PIT series is characterized by easy, direct conductor connection, and it consistently uses the advantages of the CLIPLINE complete system.



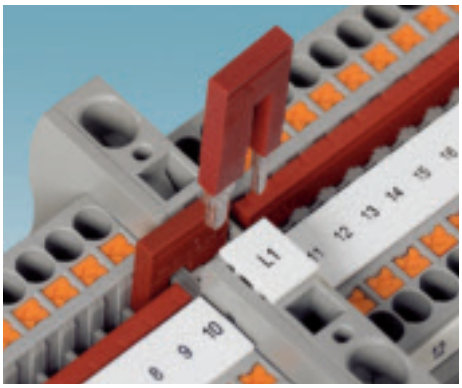
Light plugging

The up to 50% lower insertion forces of the PIT push-in connection method allow easy and direct plugging of solid and Stranded conductors with ferrules of 0.34 mm^2 and up.

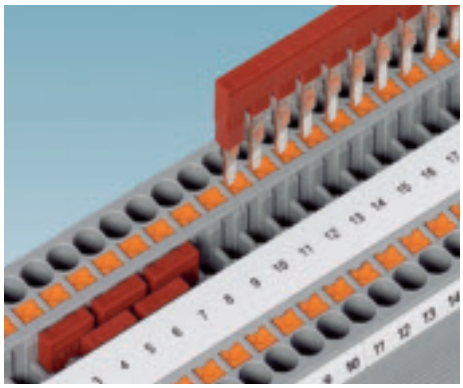


Lever function

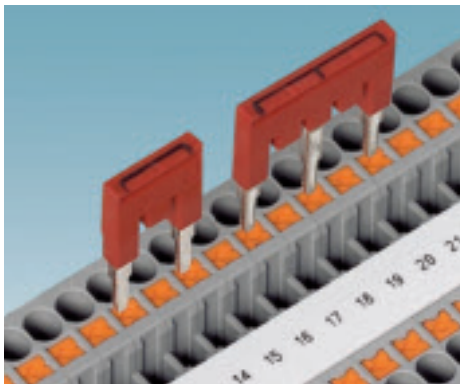
The spring is opened – for loosening conductors or for connecting small cross-sections of 0.14 mm^2 and up – using the actuation lever. It can be operated with any tool.



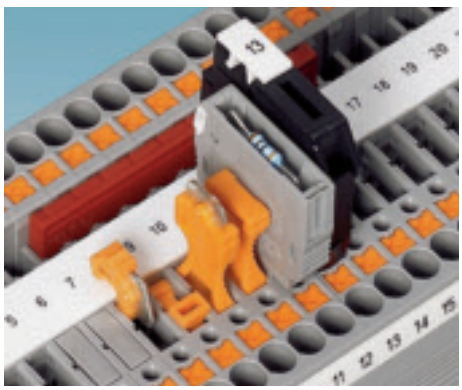
The reducing bridge permits simple connection of terminal blocks with different nominal cross-sections, for example an ST 10 spring-cage terminal block with a PIT 2,5. Power blocks can be constructed quickly with the reducing bridge.



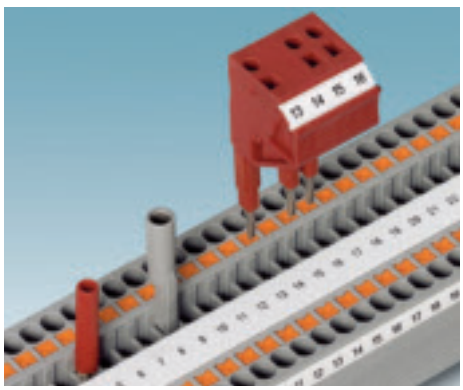
With the double bridge shaft, any number of terminal blocks can be connected with one another using two-pos. bridges. The 2 to 50 pos. bridges permit bridging of up to 50 terminal blocks in one step.



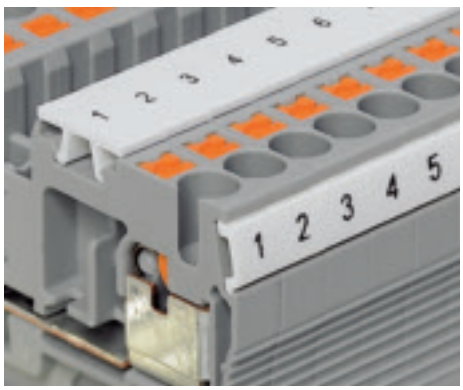
Non-adjacent terminals can be bridged by breaking off individual contact tabs from the standard bridge. In this way, two potentials can be led in parallel through one terminal strip. The contact points can also be marked.



The P-FIX insulated through connectors, P-DI isolating connectors, P-CO component connectors and P-FU cartridge fuse connectors can be used in the universal plug-in zone of the disconnect terminal block.



A 2.3 mm Ø test plug is available for measuring lines. All the measurement and testing tasks can be completed faster using test adapters for 4 mm Ø test plugs and the modular test plugs.



The clear and large-scale marking in the terminal center is vital for reliable and time-saving installation.

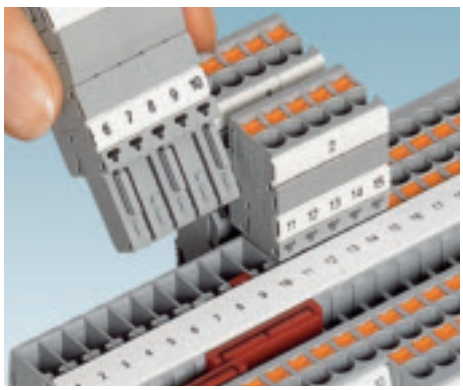
In addition to this, each terminal point can be labeled separately.



The partition plates protrude over the terminal block profiles. They provide both visual and electrical group separation.

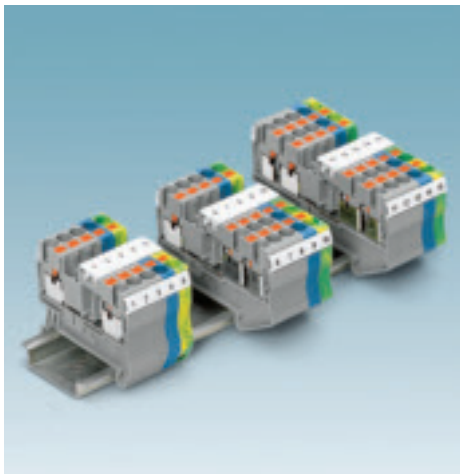


End cover segments cover protruding terminal block segments of three and four-conductor terminal blocks when two-conductor terminal blocks are aligned. This ensures that they are touch proof.



PIT-COMBI terminal blocks allow signal wiring to be made pluggable with push-in connection. The system is touch proof and comprises self-assembly plugs with a wide range of accessories. See chapter "COMBI", page 238.

Feed-through and multi-conductor terminal blocks PIT ...



For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) The max. load current must not be exceeded by the total current of all connected conductors.



PIT 2,5 ...

The PIT push-in connection terminal blocks are particularly suitable for direct wiring of conductors with ferrules or solid wires without using any tools. Stranded conductors with ferrules can be easily plugged from 0.34 mm². The actuating rocker can be used to open the terminal point with any type of screwdriver for wiring or unwiring small conductors. The compact design and the front connection enables wiring even in extremely small spaces.

The double bridge shaft enables quick individual potential distribution and infeed, for example with a UT 10 screw connection terminal block.

Corresponding accessories from the range of CLIPLINE complete standard accessories are used for testing and labeling.

End cover segments

End cover segments cover protruding terminal block segments of three and four-conductor terminal blocks when two-conductor terminal blocks are aligned. This ensures that they are touch proof.



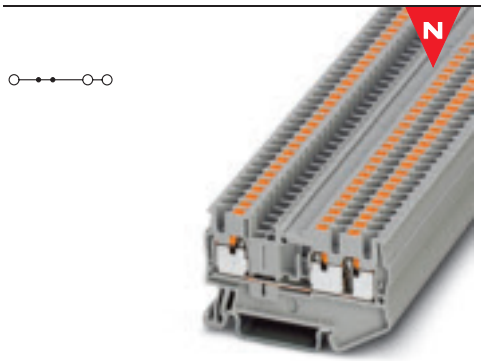
Dimensions		Width	Length	Height NS 35/7,5
	[mm]	**5.2**	**48.5**	**36.5**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²] / AWG
		30	**800**	**0.14 - 4 / 26 - 12**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA / IEC/ EN 60079-7
Rated voltage	[V]	800	600	-
Nominal current / cross-section	[A] / [mm²]	24 / 2.5	20 / -	- / -
Rated cross-section	[mm²]	2.5	-	-
Cross-section range	AWG	26 - 12	24-12	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve
One conductor	[mm²]	0.14 - 4	0.14 - 2.5	0.14 - 2.5 / 0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]			0.5
Directly pluggable connection cross-sections	[mm²]	0.34 - 4	-	0.34 - 2.5 / 0.34 - 2.5
General data				
Stripping length	[mm]	10		
Insulating material		PA		
Inflammability class acc. to UL 94		V0		

Ordering data

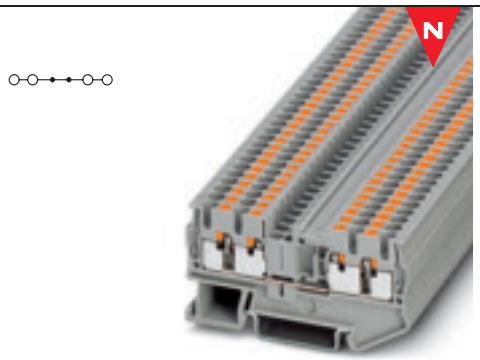
Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		Gray	**PIT 2,5**		**3209510**	50
		Blue	**PIT 2,5 BU**		**3209523**	50

Accessories

Cover, width 2.2 mm		Gray	**D-ST 2,5**		**3030417**	50
End cover segment, for covering multi-conductor terminal blocks when two-conductor terminal blocks are aligned		Gray				
Insulation stop sleeve, cross-section range:						
0.08 - 0.2 mm²		White	**ISH 2,5/0,2**		**3002843**	50
0.25 - 0.5 mm²		Gray	**ISH 2,5/0,5**		**3002856**	50
0.75 - 1 mm²		Black	**ISH 2,5/1,0**		**3002869**	50
Plug-in bridge for cross connections in the bridge shaft						
	2	Red	**FBS 2-5**	24 A	**3030161**	50
	3	Red	**FBS 3-5**	24 A	**3030174**	50
	4	Red	**FBS 4-5**	24 A	**3030187**	50
	5	Red	**FBS 5-5**	24 A	**3030190**	50
	10	Red	**FBS 10-5**	24 A	**3030213**	10
	20	Red	**FBS 20-5**	24 A	**3030226**	10
Partition plate, for visual and electrical separation of terminal groups, 2 mm thick		Gray	**ATP-ST 4**		**3030721**	50
Test adapter, for 4 mm Ø PS test plug and 4 mm safety test plug, makes contact in the bridge shaft		Gray	**PAI-4**		**3030925**	10
Test plug, consisting of: metal part for 2.3 mm Ø socket hole and			**MPS-MT**		**0201744**	10
insulating sleeve for MPS metal part		Red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		Red	**PS-5**		**3030983**	10
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10
UniCard sheet, for labeling the center groove			**UC-TM 5 (see page 479)**			
UniCard sheet, flat, for labeling the center and lateral grooves			**UC-TMF 5 (see page 482)**			
Zack markers, for labeling the center groove			**ZB 5 (see page 487)**			
Zack marker strip, flat, for labeling the center and lateral grooves			**ZBF 5 (see page 492)**			



PIT 2,5-TWIN ...



PIT 2,5-QUATTRO ...

Width	Length	Height NS 35/7,5	
5.2	**60.5**	**36.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
30[1])	**800**	**0.14 - 4**	**26 - 12**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800	600	-	-
24[1]) / 2.5	20 / -	- / -	-
2.5	-	-	-
26 - 12	24-12	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

Width	Length	Height NS 35/7,5	
5.2	**72**	**36.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
30[1])	**800**	**0.14 - 4**	**26 - 12**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800	-	-	-
24[1]) / 2.5	- / -	- / -	-
2.5	-	-	-
26 - 12	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

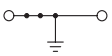
Type	I_{max}	Order No.	Pcs. / Pkt.
PIT 2,5-TWIN		**3209549**	50
PIT 2,5-TWIN BU		**3209552**	50
D-ST 2,5-TWIN		**3030488**	50
DS-ST 2,5		**3036602**	10
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
ATP-ST-TWIN		**3030789**	50
PAI-4		**3030925**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
SZF 1-0,6X3,5		**1204517**	10
UC-TM 5 (see page 479)			
UC-TMF 5 (see page 482)			
ZB 5 (see page 487)			
ZBF 5 (see page 492)			

Type	I_{max}	Order No.	Pcs. / Pkt.
PIT 2,5-QUATTRO		**3209578**	50
PIT 2,5-QUATTRO BU		**3209581**	50
D-ST 2,5-QUATTRO		**3030514**	50
DS-ST 2,5		**3036602**	10
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
ATP-ST QUATTRO		**3030815**	50
PAI-4		**3030925**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
SZF 1-0,6X3,5		**1204517**	10
UC-TM 5 (see page 479)			
UC-TMF 5 (see page 482)			
ZB 5 (see page 487)			
ZBF 5 (see page 492)			

Ground terminal blocks PIT ...-PE

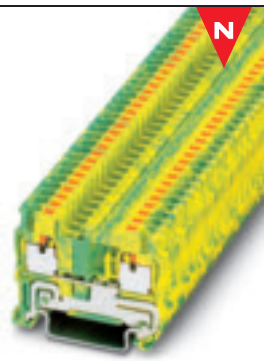


Ground terminal blocks with the same shape and pitch are available for the various PIT terminal blocks. Safe contacting is ensured by simply snapping the terminal block onto the rail. All requirements of the IEC 60947-7-2 standard are thereby met.



Current carrying capacity of DIN rails, see page 728.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



PIT 2,5-PE

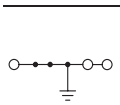
Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**48.5**	**36.5**	
Max. electrical data				Max. Ø [mm²]	AWG
				0.14 - 4	**26 - 12**
Rated data		IEC 60947-7-2 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	-	-	-	-
Nominal current / cross-section	[A] / [mm²]	- / -	- / -	- / -	-
Rated cross-section	[mm²]	2.5	-	-	-
Cross-section range	AWG	26 - 12	24-12	-	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]				0.5
Directly pluggable connection cross-sections	[mm²]	0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
General data					
Stripping length	[mm]	10			
Insulating material		PA			
Inflammability class acc. to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.
Ground terminal block, for mounting on NS 35...		Green-yellow	**PIT 2,5-PE**	**3209536**	50

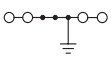
Accessories

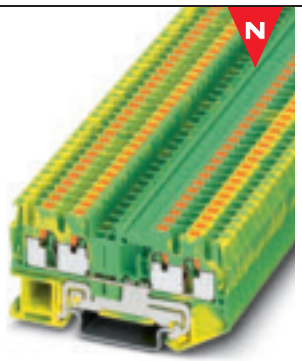
Cover, width 2.2 mm		Gray	**D-ST 2,5**	**3030417**	50
End cover segment, for covering multi-conductor terminal blocks when two-conductor terminal blocks are aligned		Gray			
Insulation stop sleeve, cross-section range:					
0.08 - 0.2 mm²		White	**ISH 2,5/0,2**	**3002843**	50
0.25 - 0.5 mm²		Gray	**ISH 2,5/0,5**	**3002856**	50
0.75 - 1 mm²		Black	**ISH 2,5/1,0**	**3002869**	50
Plug-in bridge for cross connections in the bridge shaft					
	2	Red	**FBS 2-5**	**3030161**	50
	3	Red	**FBS 3-5**	**3030174**	50
	4	Red	**FBS 4-5**	**3030187**	50
	5	Red	**FBS 5-5**	**3030190**	50
	10	Red	**FBS 10-5**	**3030213**	10
	20	Red	**FBS 20-5**	**3030226**	10
Partition plate, for visual and electrical separation of terminal groups, 2 mm thick		Gray	**ATP-ST 4**	**3030721**	50
Test adapter, for 4 mm Ø PS test plug and 4 mm safety test plug, makes contact in the bridge shaft		Gray	**PAI-4**	**3030925**	10
Test plug, consisting of: metal part for 2.3 mm Ø socket hole and			**MPS-MT**	**0201744**	10
insulating sleeve for MPS metal part		Red	**MPS-IH RD**	**0201676**	10
Modular test plug, for the individual assembly of test plug strips		Red	**PS-5**	**3030983**	10
Screwdriver			**SZF 1-0,6X3,5**	**1204517**	10
UniCard sheet, for labeling the center groove			**UC-TM 5 (see page 479)**		
UniCard sheet, flat, for labeling the center and lateral grooves			**UC-TMF 5 (see page 482)**		
Zack markers, for labeling the center groove			**ZB 5 (see page 487)**		
Zack marker strip, flat, for labeling the center and lateral grooves			**ZBF 5 (see page 492)**		





PIT 2,5-TWIN-PE





PIT 2,5-QUATTRO-PE

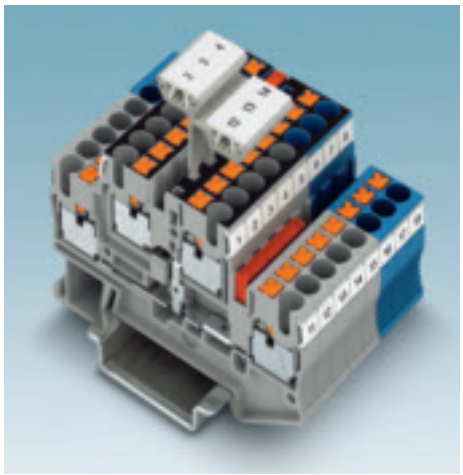
Width	Length	Height NS 35/7,5	
5.2	**60.5**	**36.5**	
		Max. Ø [mm²]	AWG
		0.14 - 4	**26 - 12**
IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	-
2.5	-	-	-
26 - 12	24-12	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

Width	Length	Height NS 35/7,5	
5.2	**72**	**36.5**	
		Max. Ø [mm²]	AWG
		0.14 - 4	**26 - 12**
IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	-
2.5	-	-	-
26 - 12	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

Type	Order No.	Pcs. / Pkt.
PIT 2,5-TWIN-PE	**3209565**	50
D-ST 2,5-TWIN	**3030488**	50
DS-ST 2,5	**3036602**	10
ISH 2,5/0,2	**3002843**	50
ISH 2,5/0,5	**3002856**	50
ISH 2,5/1,0	**3002869**	50
FBS 2-5	**3030161**	50
FBS 3-5	**3030174**	50
FBS 4-5	**3030187**	50
FBS 5-5	**3030190**	50
FBS 10-5	**3030213**	10
FBS 20-5	**3030226**	10
ATP-ST-TWIN	**3030789**	50
PAI-4	**3030925**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-5	**3030983**	10
SZF 1-0,6X3,5	**1204517**	10
UC-TM 5 (see page 479)		
UC-TMF 5 (see page 482)		
ZB 5 (see page 487)		
ZBF 5 (see page 492)		

Type	Order No.	Pcs. / Pkt.
PIT 2,5-QUATTRO-PE	**3209594**	50
D-ST 2,5-QUATTRO	**3030514**	50
DS-ST 2,5	**3036602**	10
ISH 2,5/0,2	**3002843**	50
ISH 2,5/0,5	**3002856**	50
ISH 2,5/1,0	**3002869**	50
FBS 2-5	**3030161**	50
FBS 3-5	**3030174**	50
FBS 4-5	**3030187**	50
FBS 5-5	**3030190**	50
FBS 10-5	**3030213**	10
FBS 20-5	**3030226**	10
ATP-ST QUATTRO	**3030815**	50
PAI-4	**3030925**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-5	**3030983**	10
SZF 1-0,6X3,5	**1204517**	10
UC-TM 5 (see page 479)		
UC-TMF 5 (see page 482)		
ZB 5 (see page 487)		
ZBF 5 (see page 492)		

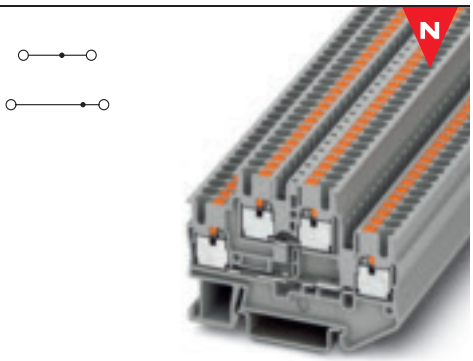
Multi-level terminal blocks PITTB ...



Current carrying capacity of DIN rails, see page 728.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) The max. load current must not be exceeded by the total current of all connected conductors.



PITTB 2,5 ...

The potentials of the PITTB ... double-level terminal blocks routed on two levels reduce space requirements by 50% compared to single-level terminal blocks. The PITTB series can be bridged on both levels with the FBS plug-in bridge system to implement various switching tasks. Labeling options are provided at each terminal point. The PITTB ...-PE ground terminal blocks, which have the same shape as the PITTB ... terminal blocks, round off the product range.

Correct mechanical and electrical contacting is guaranteed by simply snapping the terminal block onto the rail.

The PITTB ...-PE ground terminal blocks fulfill all requirements of IEC 60947-7-2. These are in particular:

– Low contact resistances
– Corrosion-proof terminal points
– Green-yellow housing
– Additional options for marking

The vertical potential bridges **FBS-PV** provide the option of connecting both the levels of the double-level terminal block.

Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		5.2	**68**	**47.5**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²] / AWG
		26	**500**	**0.14 - 4 / 26 - 12**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA / IEC/ EN 60079-7
Rated voltage	[V]	500	-	- / -
Nominal current / cross-section	[A] / [mm²]	20 / 2.5	- / -	- / -
Rated cross-section	[mm²]	2.5	-	- / -
Cross-section range	AWG	26 - 12	-	- / -
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve
One conductor	[mm²]	0.14 - 4	0.14 - 2.5	0.14 - 2.5 / 0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]			/ 0.5
Directly pluggable connection cross-sections	[mm²]	0.34 - 4	-	0.34 - 2.5 / 0.34 - 2.5
General data				
Stripping length	[mm]	10		
Insulating material		PA		
Inflammability class acc. to UL 94		V0		

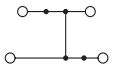
Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		Gray	**PITTB 2,5**		**3210567**	50
		Blue	**PITTB 2,5 BU**		**3210570**	50
Terminal block, with equipotential bonder, for mounting on NS 35...		Gray				
Ground terminal block, for mounting on NS 35...		Green-yellow				

Accessories

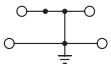
Cover, width 2.2 mm		Gray	**D-PITTB 2,5**		**3211634**	50
Insulation stop sleeve, cross-section range:						
0.08 - 0.2 mm²		White	**ISH 2,5/0,2**		**3002843**	50
0.25 - 0.5 mm²		Gray	**ISH 2,5/0,5**		**3002856**	50
0.75 - 1 mm²		Black	**ISH 2,5/1,0**		**3002869**	50
Plug-in bridge for cross connections in the bridge shaft						
	2	Red	**FBS 2-5**	20 A	**3030161**	50
	3	Red	**FBS 3-5**	20 A	**3030174**	50
	4	Red	**FBS 4-5**	20 A	**3030187**	50
	5	Red	**FBS 5-5**	20 A	**3030190**	50
	10	Red	**FBS 10-5**	20 A	**3030213**	10
	20	Red	**FBS 20-5**	20 A	**3030226**	10
Vertical potential bridge, to connect the upper and lower level						
		Black	**FBS-PV**		**3032185**	50
Partition plate, for visual and electrical separation of terminal groups, 2 mm thick		Gray	**ATP-STTB 4**		**3030747**	50
Test adapter, for 4 mm Ø PS test plug and 4 mm safety test plug, makes contact in the bridge shaft		Gray	**PAI-4**		**3030925**	10
Modular test plug, for the individual assembly of test plug strips		Red	**PS-5**		**3030983**	10
Double marker carrier, can be snapped into the double-level terminal blocks STTB 2,5, PITTB 2,5 can be labeled with UC-TM 5, ZB 5 or UC-TMF 5, ZBF 5		Gray	**STP 5-2**		**0800967**	100
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10
UniCard sheet, flat, for labeling the lateral groove			**UC-TMF 5 (see page 482)**			
Zack marker strip, flat, for labeling the lateral groove			**ZBF 5 (see page 492)**			







PITTB 2,5-PV





PITTB 2,5-PE

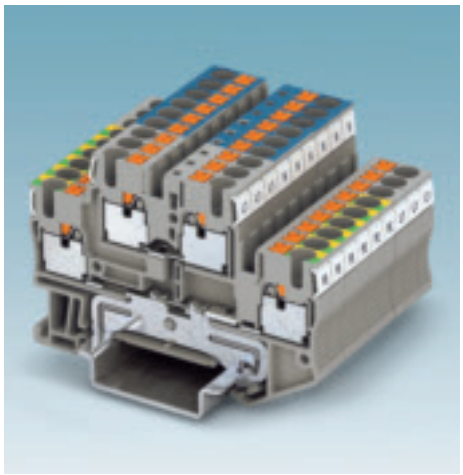
Width	Length	Height NS 35/7,5	
5.2	**68**	**47.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
26[1])	**500**	**0.14 - 4**	**26 - 12**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	-	-	-
20[1]) / 2.5	- / -	- / -	-
2.5	-	-	-
26 - 12	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
			0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

Width	Length	Height NS 35/7,5	
5.2	**68**	**47.5**	
		Max. Ø [mm²]	AWG
		0.14 - 4	**26 - 12**
IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	-
2.5	-	-	-
26 - 12	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
			0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
PITTB 2,5-PV		**3210583**	50
D-PITTB 2,5		**3211634**	50
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	20 A	**3030161**	50
FBS 3-5	20 A	**3030174**	50
FBS 4-5	20 A	**3030187**	50
FBS 5-5	20 A	**3030190**	50
FBS 10-5	20 A	**3030213**	10
FBS 20-5	20 A	**3030226**	10
ATP-STTB 4		**3030747**	50
PAI-4		**3030925**	10
PS-5		**3030983**	10
STP 5-2		**0800967**	100
SZF 1-0,6X3,5		**1204517**	10
UC-TMF 5 (see page 482)			
ZBF 5 (see page 492)			

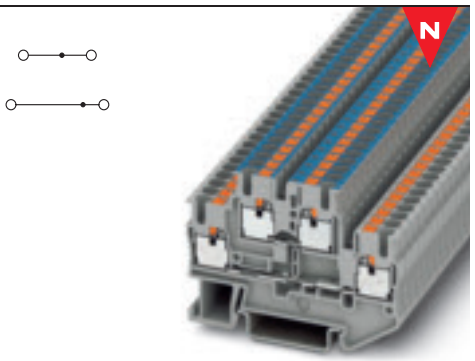
Type	Order No.	Pcs. / Pkt.
PITTB 2,5-PE	**3210596**	50
D-PITTB 2,5	**3211634**	50
ISH 2,5/0,2	**3002843**	50
ISH 2,5/0,5	**3002856**	50
ISH 2,5/1,0	**3002869**	50
FBS 2-5	**3030161**	50
FBS 3-5	**3030174**	50
FBS 4-5	**3030187**	50
FBS 5-5	**3030190**	50
FBS 10-5	**3030213**	10
FBS 20-5	**3030226**	10
ATP-STTB 4	**3030747**	50
PAI-4	**3030925**	10
PS-5	**3030983**	10
STP 5-2	**0800967**	100
SZF 1-0,6X3,5	**1204517**	10
UC-TMF 5 (see page 482)		
ZBF 5 (see page 492)		

Multi-level terminal blocks PITTB ...



Current carrying capacity of DIN rails, see page 728.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



PITTB 2,5-L/N

These hybrid versions are obtained by combining a double-level feed-though terminal block and a ground terminal block with the same shape. The PE/L and PE/N types provide ground conductor contact with the DIN rail in the lower level. The upper level is designed as a feed-though level. The colored marking of the PE and N levels enables a clear and unambiguous potential distribution.

Marker carriers for multi-level terminal blocks

The STP ... marker carriers are for better labeling of wired multi-level terminal blocks. The carriers are inserted in the receptacles on the upper terminal level depending on the design.

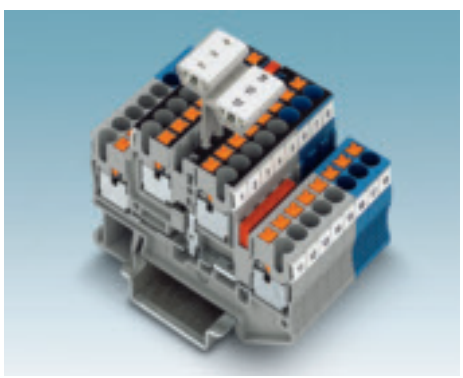
Dimensions	Width	Length	Height NS 35/7,5	
[mm]	**5.2**	**68**	**47.5**	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
	26	**500**	**0.14 - 4**	**26 - 12**
Rated data	IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	500	-	-	-
Nominal current / cross-section [A] / [mm²]	20 / 2.5	- / -	- / -	-
Rated cross-section [mm²]	2.5	-	-	-
Cross-section range AWG	26 - 12	-	-	-
Connection capacity	Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor [mm²]	0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule [mm²]				0.5
Directly pluggable connection cross-sections [mm²]	0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
General data				
Stripping length [mm]	10			
Insulating material	PA			
Inflammability class acc. to UL 94	V0			

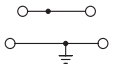
Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		Gray	**PITTB 2,5-L/N**		**3210994**	50

Accessories

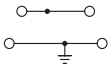
Cover, width 2.2 mm		Gray	**D-PITTB 2,5**		**3211634**	50
Insulation stop sleeve, cross-section range:						
0.08 - 0.2 mm²		White	**ISH 2,5/0,2**		**3002843**	50
0.25 - 0.5 mm²		Gray	**ISH 2,5/0,5**		**3002856**	50
0.75 - 1 mm²		Black	**ISH 2,5/1,0**		**3002869**	50
Plug-in bridge for cross connections in the bridge shaft						
	2	Red	**FBS 2-5**	20 A	**3030161**	50
	3	Red	**FBS 3-5**	20 A	**3030174**	50
	4	Red	**FBS 4-5**	20 A	**3030187**	50
	5	Red	**FBS 5-5**	20 A	**3030190**	50
	10	Red	**FBS 10-5**	20 A	**3030213**	10
	20	Red	**FBS 20-5**	20 A	**3030226**	10
Partition plate, for visual and electrical separation of terminal groups, 2 mm thick		Gray	**ATP-STTB 4**		**3030747**	50
Test adapter, for 4 mm Ø PS test plug and 4 mm safety test plug, makes contact in the bridge shaft		Gray	**PAI-4**		**3030925**	10
Modular test plug, for the individual assembly of test plug strips		Red	**PS-5**		**3030983**	10
Double marker carrier, can be snapped into the double-level terminal blocks STTB 2,5, PITTB 2,5 can be labeled with UC-TM 5, ZB 5 or UC-TMF 5, ZBF 5		Gray	**STP 5-2**		**0800967**	100
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10
UniCard sheet, flat, for labeling the lateral groove			**UC-TMF 5 (see page 482)**			
Zack marker strip, flat, for labeling the lateral groove			**ZBF 5 (see page 492)**			

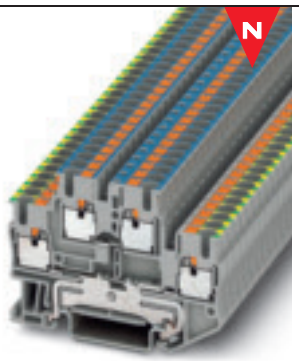






PITTB 2,5-PE/L





PITTB 2,5-PE/N

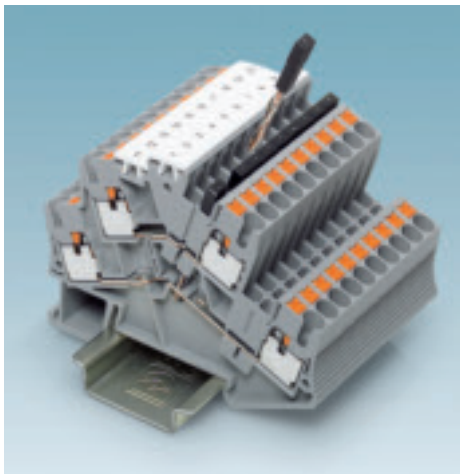
Width	Length	Height NS 35/7,5	
5.2	**68**	**47.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
26	**500**	**0.14 - 4**	**26 - 12**
IEC 60947-7-1 / IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	-	-	-
20 / 2.5	- / -	- / -	-
2.5	-	-	-
26 - 12	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
			0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

Width	Length	Height NS 35/7,5	
5.2	**68**	**47.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
26	**500**	**0.14 - 4**	**26 - 12**
IEC 60947-7-1 / IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	-	-	-
20 / 2.5	- / -	- / -	-
2.5	-	-	-
26 - 12	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
			0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
PITTB 2,5-PE/L		**3210978**	50
D-PITTB 2,5		**3211634**	50
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	20 A	**3030161**	50
FBS 3-5	20 A	**3030174**	50
FBS 4-5	20 A	**3030187**	50
FBS 5-5	20 A	**3030190**	50
FBS 10-5	20 A	**3030213**	10
FBS 20-5	20 A	**3030226**	10
ATP-STTB 4		**3030747**	50
PAI-4		**3030925**	10
PS-5		**3030983**	10
STP 5-2		**0800967**	100
SZF 1-0,6X3,5		**1204517**	10
UC-TMF 5 (see page 482)			
ZBF 5 (see page 492)			

Type	I_{max}	Order No.	Pcs. / Pkt.
PITTB 2,5-PE/N		**3210981**	50
D-PITTB 2,5		**3211634**	50
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	20 A	**3030161**	50
FBS 3-5	20 A	**3030174**	50
FBS 4-5	20 A	**3030187**	50
FBS 5-5	20 A	**3030190**	50
FBS 10-5	20 A	**3030213**	10
FBS 20-5	20 A	**3030226**	10
ATP-STTB 4		**3030747**	50
PAI-4		**3030925**	10
PS-5		**3030983**	10
STP 5-2		**0800967**	100
SZF 1-0,6X3,5		**1204517**	10
UC-TMF 5 (see page 482)			
ZBF 5 (see page 492)			

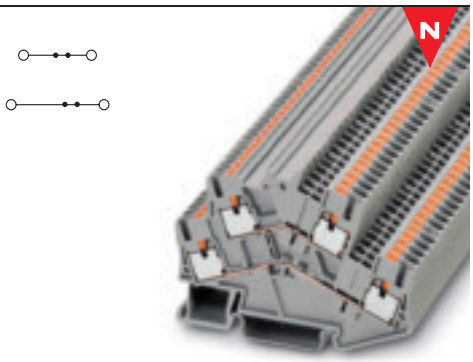
Multi-level terminal blocks PITTBS ...



Current carrying capacity of DIN rails, see page 728.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) The max. load current must not be exceeded by the total current of all connected conductors.



PITTBS 2,5 ...

The PIT product range is rounded off by the compact double-level variant PITTBS ... in the nominal cross-section 2.5 mm². The potentials over a pitch of 5.2 mm are routed on two levels and reduce space requirements in the control cabinet by a further 50%. Two bridge shafts are integrated on each level. Two large-area labeling options are available for marking levels. The different heights of the marking grooves makes it easy to see to which level the labeling belongs.

The vertical potential bridges **FBS-PV** provide the option of connecting both the levels of the standard double-level terminal block PITTBS 2,5.

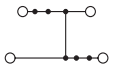
Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**78**	**55**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		26	**500**	**0.14 - 4**	**26 - 12**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	-	-	-
Nominal current / cross-section	[A] / [mm²]	20 / 2.5	- / -	- / -	-
Rated cross-section	[mm²]	2.5	-	-	-
Cross-section range	AWG	26 - 12	-	-	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]				0.5
Directly pluggable connection cross-sections	[mm²]	0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
General data					
Stripping length	[mm]	10			
Insulating material		PA			
Inflammability class acc. to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		Gray	**PITTBS 2,5**		**3209604**	50
		Blue	**PITTBS 2,5 BU**		**3209617**	50
Terminal block, with equipotential bonder, for mounting on NS 35...		Gray				
Ground terminal block, for mounting on NS 35...		Green-yellow				

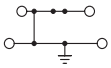
Accessories

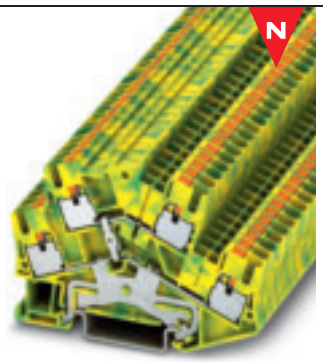
Cover, width 2.2 mm		Gray	**D-STTBS 2,5**		**3038503**	50
Insulation stop sleeve, cross-section range:						
0.08 - 0.2 mm²		White	**ISH 2,5/0,2**		**3002843**	50
0.25 - 0.5 mm²		Gray	**ISH 2,5/0,5**		**3002856**	50
0.75 - 1 mm²		Black	**ISH 2,5/1,0**		**3002869**	50
Plug-in bridge for cross connections in the bridge shaft						
	2	Red	**FBS 2-5**	20 A	**3030161**	50
	3	Red	**FBS 3-5**	20 A	**3030174**	50
	4	Red	**FBS 4-5**	20 A	**3030187**	50
	5	Red	**FBS 5-5**	20 A	**3030190**	50
	10	Red	**FBS 10-5**	20 A	**3030213**	10
	20	Red	**FBS 20-5**	20 A	**3030226**	10
Vertical potential bridge, to connect the upper and lower level		Black	**FBS-PV**		**3032185**	50
Partition plate, for visual and electrical separation of terminal groups, 2 mm thick		Gray	**ATP-STTB 4**		**3030747**	50
Test adapter, for 4 mm Ø PS test plug and 4 mm safety test plug, makes contact in the bridge shaft		Gray	**PAI-4**		**3030925**	10
Test plug, consisting of: metal part for 2.3 mm Ø socket hole and			**MPS-MT**		**0201744**	10
insulating sleeve for MPS metal part		Red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		Red	**PS-5**		**3030983**	10
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10
UniCard sheet, for labeling the center groove			**UC-TM 5 (see page 479)**			
Zack markers, for labeling the center groove			**ZB 5 (see page 487)**			





PITTBS 2,5-PV





PITTBS 2,5-PE

Width	Length	Height NS 35/7,5	
5.2	**78**	**55**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
26[1])	**500**	**0.14 - 4**	**26 - 12**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	-	-	-
20[1]) / 2.5	- / -	- / -	-
2.5	-	-	-
26 - 12	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
			0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

Width	Length	Height NS 35/7,5	
5.2	**78**	**55**	
		Max. Ø [mm²]	AWG
		0.14 - 4	**26 - 12**
IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	-
2.5	-	-	-
26 - 12	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
			0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
PITTBS 2,5-PV		**3210211**	50
D-STTBS 2,5		**3038503**	50
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	20 A	**3030161**	50
FBS 3-5	20 A	**3030174**	50
FBS 4-5	20 A	**3030187**	50
FBS 5-5	20 A	**3030190**	50
FBS 10-5	20 A	**3030213**	10
FBS 20-5	20 A	**3030226**	10
ATP-STTB 4		**3030747**	50
PAI-4		**3030925**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
SZF 1-0,6X3,5		**1204517**	10
UC-TM 5 (see page 479)			
ZB 5 (see page 487)			

Type	Order No.	Pcs. / Pkt.
PITTBS 2,5-PE	**3209620**	50
D-STTBS 2,5	**3038503**	50
ISH 2,5/0,2	**3002843**	50
ISH 2,5/0,5	**3002856**	50
ISH 2,5/1,0	**3002869**	50
FBS 2-5	**3030161**	50
FBS 3-5	**3030174**	50
FBS 4-5	**3030187**	50
FBS 5-5	**3030190**	50
FBS 10-5	**3030213**	10
FBS 20-5	**3030226**	10
ATP-STTB 4	**3030747**	50
PAI-4	**3030925**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-5	**3030983**	10
SZF 1-0,6X3,5	**1204517**	10
UC-TM 5 (see page 479)		
ZB 5 (see page 487)		

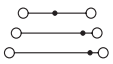
Multi-level terminal blocks PIT 2,5-...

The three-level push-in connection terminal blocks have three feed-through levels in a 5 mm wide terminal housing. All the levels are bridgeable. They offer high wiring density, which is especially important when the control system space is restricted.

Current carrying capacity of DIN rails, see page 728.

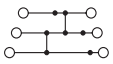
For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

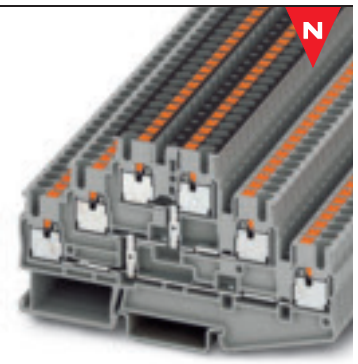
1) The max. load current must not be exceeded by the total current of all connected conductors.





PIT 2,5-3L ...





PIT 2,5-3PV

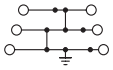
Dimensions		Width	Length	Height NS 35/7,5		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**102**	**58**		**5.2**	**102**	**58**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG	$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		26	**500**	**0.14 - 4**	**26 - 12**	**26¹)**	**500**	**0.14 - 4**	**26 - 12**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7	IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	-	-	-	500	-	-	-
Nominal current / cross-section	[A] / [mm²]	20 / 2.5	- / -	- / -	-	20¹) / 2.5	- / -	- / -	-
Rated cross-section	[mm²]	2.5	-	-	-	2.5	-	-	-
Cross-section range	AWG	26 - 12	-	-	-	26 - 12	-	-	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5	0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]				0.5				0.5
Directly pluggable connection cross-sections	[mm²]	0.34 - 4	-	0.34 - 2.5	0.34 - 2.5	0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
General data									
Stripping length	[mm]	10				10			
Insulating material		PA				PA			
Inflammability class acc. to UL 94		V0				V0			

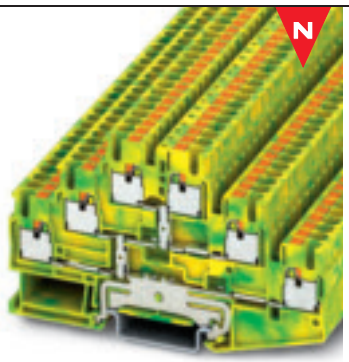
Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		Gray	**PIT 2,5-3L**		**3210499**	50				
		Blue	**PIT 2,5-3L BU**		**3210509**	50				
Terminal block, with equipotential bonder, for mounting on NS 35...		Gray					**PIT 2,5-3PV**		**3210512**	50
Ground terminal block, for mounting on NS 35...		Green-yellow								

Accessories

Cover, width 2.2 mm		Gray	**D-PIT 2,5-3L**		**3211647**	50	**D-PIT 2,5-3L**		**3211647**	50
Insulation stop sleeve, cross-section range:										
0.08 - 0.2 mm²		White	**ISH 2,5/0,2**		**3002843**	50	**ISH 2,5/0,2**		**3002843**	50
0.25 - 0.5 mm²		Gray	**ISH 2,5/0,5**		**3002856**	50	**ISH 2,5/0,5**		**3002856**	50
0.75 - 1 mm²		Black	**ISH 2,5/1,0**		**3002869**	50	**ISH 2,5/1,0**		**3002869**	50
Plug-in bridge for cross connections in the bridge shaft										
	2	Red	**FBS 2-5**	20 A	**3030161**	50	**FBS 2-5**	20 A	**3030161**	50
	3	Red	**FBS 3-5**	20 A	**3030174**	50	**FBS 3-5**	20 A	**3030174**	50
	4	Red	**FBS 4-5**	20 A	**3030187**	50	**FBS 4-5**	20 A	**3030187**	50
	5	Red	**FBS 5-5**	20 A	**3030190**	50	**FBS 5-5**	20 A	**3030190**	50
	10	Red	**FBS 10-5**	20 A	**3030213**	10	**FBS 10-5**	20 A	**3030213**	10
	20	Red	**FBS 20-5**	20 A	**3030226**	10	**FBS 20-5**	20 A	**3030226**	10
Vertical potential bridge, to connect the upper and lower level										
		Black	**FBS-PV**		**3032185**	50				
Test adapter, for 4 mm Ø PS test plug and 4 mm safety test plug, makes contact in the bridge shaft		Gray	**PAI-4**		**3030925**	10	**PAI-4**		**3030925**	10
Modular test plug, for the individual assembly of test plug strips		Red	**PS-5**		**3030983**	10	**PS-5**		**3030983**	10
Three-compartment marker carrier, can be snapped into the three-level terminal block ST 2,5-3..., PIT 2,5-3... can be labeled with UC-TM 5 or ZBF 5		Gray	**STP 5-3**		**0810562**	100	**STP 5-3**		**0810562**	100
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10	**SZF 1-0,6X3,5**		**1204517**	10
UniCard sheet, flat, for labeling the lateral groove			**UC-TMF 5 (see page 482)**				**UC-TMF 5 (see page 482)**			
Zack marker strip, flat, for labeling the lateral groove			**ZBF 5 (see page 492)**				**ZBF 5 (see page 492)**			



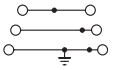


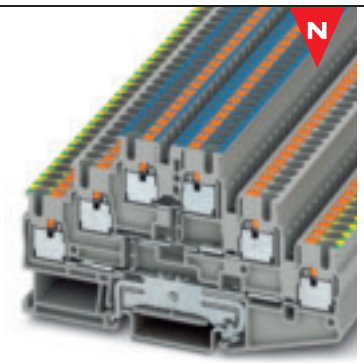
PIT 2,5-3PE

Width	Length	Height NS 35/7,5	
5.2	**102**	**58**	
		Max. Ø [mm²]	AWG
		0.14 - 4	**26 - 12**
IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	-
2.5	-	-	-
26 - 12	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
			0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

Type	Order No.	Pcs. / Pkt.
PIT 2,5-3PE	**3210525**	50

D-PIT 2,5-3L	**3211647**	50	
ISH 2,5/0,2	**3002843**	50	
ISH 2,5/0,5	**3002856**	50	
ISH 2,5/1,0	**3002869**	50	
FBS 2-5	**3030161**	50	
FBS 3-5	**3030174**	50	
FBS 4-5	**3030187**	50	
FBS 5-5	**3030190**	50	
FBS 10-5	**3030213**	10	
FBS 20-5	**3030226**	10	
PAI-4	**3030925**	10	
PS-5	**3030983**	10	
STP 5-3	**0810562**	100	
SZF 1-0,6X3,5	**1204517**	10	
UC-TMF 5 (see page 482)			
ZBF 5 (see page 492)			

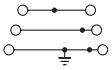


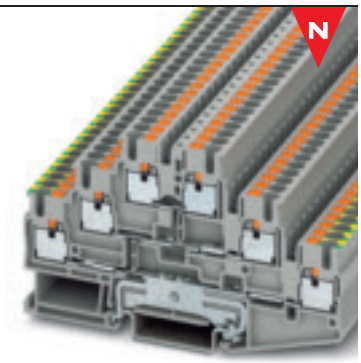


PIT 2,5-PE/L/N

Width	Length	Height NS 35/7,5	
5.2	**102**	**58**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
26	**500**	**0.14 - 4**	**26 - 12**
IEC 60947-7-1 / IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	-	-	-
20 / 2.5	- / -	- / -	-
2.5	-	-	-
26 - 12	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
			0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
PIT 2,5-PE/L/N		**3210538**	50
D-PIT 2,5-3L		**3211647**	50
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	20 A	**3030161**	50
FBS 3-5	20 A	**3030174**	50
FBS 4-5	20 A	**3030187**	50
FBS 5-5	20 A	**3030190**	50
FBS 10-5	20 A	**3030213**	10
FBS 20-5	20 A	**3030226**	10
PAI-4		**3030925**	10
PS-5		**3030983**	10
STP 5-3		**0810562**	100
SZF 1-0,6X3,5		**1204517**	10
UC-TMF 5 (see page 482)			
ZBF 5 (see page 492)			



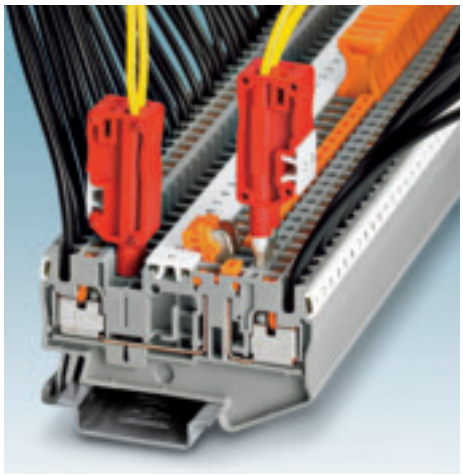


PIT 2,5-PE/L/L

Width	Length	Height NS 35/7,5	
5.2	**102**	**58**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
26	**500**	**0.14 - 4**	**26 - 12**
IEC 60947-7-1 / IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	-	-	-
20 / 2.5	- / -	- / -	-
2.5	-	-	-
26 - 12	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
			0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
PIT 2,5-PE/L/L		**3210541**	50
D-PIT 2,5-3L		**3211647**	50
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	20 A	**3030161**	50
FBS 3-5	20 A	**3030174**	50
FBS 4-5	20 A	**3030187**	50
FBS 5-5	20 A	**3030190**	50
FBS 10-5	20 A	**3030213**	10
FBS 20-5	20 A	**3030226**	10
FBS-PV		**3032185**	50
PAI-4		**3030925**	10
PS-5		**3030983**	10
STP 5-3		**0810562**	100
SZF 1-0,6X3,5		**1204517**	10
UC-TMF 5 (see page 482)			
ZBF 5 (see page 492)			

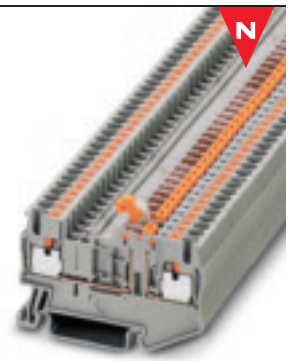
Knife disconnect terminal blocks
PIT ...-MT



For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) The max. load current must not be exceeded by the total current of all connected conductors.





PIT 2,5-MT ...

Feed-through terminal blocks with knife disconnect option are a standard in state-of-the-art control technology.

The PIT knife disconnect terminal blocks feature a particularly narrow construction of 5.2 mm and a high current carrying capacity. Easy testing is enabled by the integrated double functional shaft on one side of the disconnect point and by the integrated test contact on the other side.

All potential distribution tasks can be easily performed by using standard plug-in bridges. Three and four-conductor terminal blocks are available for multi-conductor connections.

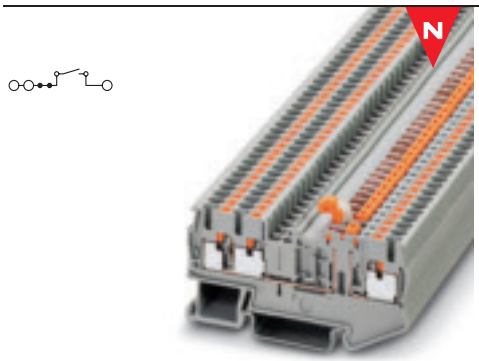
Dimensions	Width	Length	Height NS 35/7,5	
[mm]	**5.2**	**60.5**	**36.5**	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
	20	**400**	**0.14 - 4**	**26 - 12**
Rated data	IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	400	-	-	-
Nominal current / cross-section [A] / [mm²]	20 / 2.5	- / -	- / -	-
Rated cross-section [mm²]	2.5	-	-	-
Cross-section range AWG	26 - 12	-	-	-
Connection capacity	Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor [mm²]	0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule [mm²]				0.5
Directly pluggable connection cross-sections [mm²]	0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
General data				
Stripping length [mm]	10			
Insulating material	PA			
Inflammability class acc. to UL 94	V0			

Ordering data

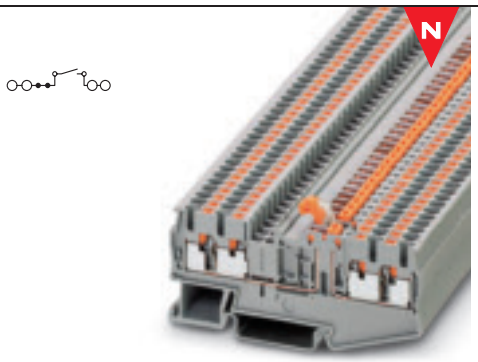
Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Knife disconnect terminal block, for mounting on NS 35...		Gray	**PIT 2,5-MT**		**3210156**	50
		Blue	**PIT 2,5-MT BU**		**3211650**	50

Accessories

Cover, width 2.2 mm		Gray	**D-PIT 2,5-MT**		**3211003**	50
Insulation stop sleeve, cross-section range:						
0.08 - 0.2 mm²		White	**ISH 2,5/0,2**		**3002843**	50
0.25 - 0.5 mm²		Gray	**ISH 2,5/0,5**		**3002856**	50
0.75 - 1 mm²		Black	**ISH 2,5/1,0**		**3002869**	50
Plug-in bridge for cross connections in the bridge shaft						
	2	Red	**FBS 2-5**	24 A	**3030161**	50
	3	Red	**FBS 3-5**	24 A	**3030174**	50
	4	Red	**FBS 4-5**	24 A	**3030187**	50
	5	Red	**FBS 5-5**	24 A	**3030190**	50
	10	Red	**FBS 10-5**	24 A	**3030213**	10
	20	Red	**FBS 20-5**	24 A	**3030226**	10
Partition plate, for visual and electrical separation of terminal groups, 2 mm thick		Gray	**ATP-ST-TWIN**		**3030789**	50
Test adapter, for 4 mm Ø PS test plug and 4 mm safety test plug, makes contact in the bridge shaft		Gray	**PAI-4**		**3030925**	10
Test plug, consisting of: metal part for 2.3 mm Ø socket hole and			**MPS-MT**		**0201744**	10
insulating sleeve for MPS metal part		Red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		Red	**PS-5**		**3030983**	10
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10
UniCard sheet, for labeling the center groove			**UC-TM 5 (see page 479)**			
UniCard sheet, flat, for labeling the center and lateral grooves			**UC-TMF 5 (see page 482)**			
Zack markers, for labeling the center groove			**ZB 5 (see page 487)**			
Zack marker strip, flat, for labeling the center and lateral grooves			**ZBF 5 (see page 492)**			



PIT 2,5-TWIN-MT ...



PIT 2,5-QUATTRO-MT ...

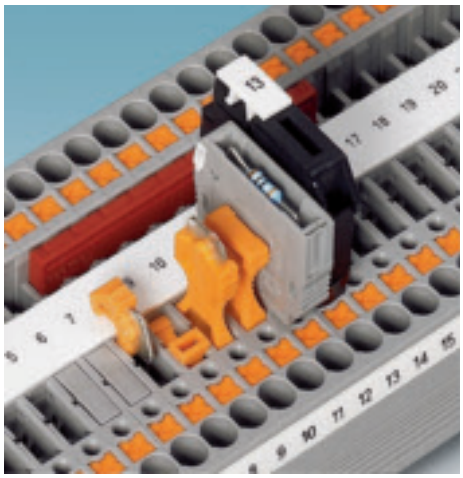
Width	Length	Height NS 35/7,5	
5.2	**74**	**36.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
20[1])	**400**	**0.14 - 4**	**26 - 12**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	-	-	-
20[1]) / 2.5	- / -	- / -	-
2.5	-	-	-
26 - 12	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

Width	Length	Height NS 35/7,5	
5.2	**84**	**36.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
20[1])	**400**	**0.14 - 4**	**26 - 12**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	-	-	-
20[1]) / 2.5	- / -	- / -	-
2.5	-	-	-
26 - 12	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
PIT 2,5-TWIN-MT		**3210169**	50
PIT 2,5-TWIN-MT BU		**3211663**	50
D-PIT 2,5-TWIN-MT		**3211317**	50
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
ATP-ST QUATTRO		**3030815**	50
PAI-4		**3030925**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
SZF 1-0,6X3,5		**1204517**	10
UC-TM 5 (see page 479)			
UC-TMF 5 (see page 482)			
ZB 5 (see page 487)			
ZBF 5 (see page 492)			

Type	I_{max}	Order No.	Pcs. / Pkt.
PIT 2,5-QUATTRO-MT		**3210172**	50
PIT 2,5-QUATTRO-MT BU		**3211676**	50
D-ST 2,5-QUATTRO-MT		**3038590**	50
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
PAI-4		**3030925**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
SZF 1-0,6X3,5		**1204517**	10
UC-TM 5 (see page 479)			
UC-TMF 5 (see page 482)			
ZB 5 (see page 487)			
ZBF 5 (see page 492)			

Disconnect terminal blocks PIT ...-TG



The PIT 2,5 ...-TG basic terminal blocks that use the push-in connection method are available for special switching tasks.

The ...-TG variants, which have the same shape as the knife disconnect terminal block, have a universal plug-in zone in the terminal center.

A variety of switching tasks can be implemented on a 5.2 mm terminal width by integrating the insulated P-FIX through connector, the P-DI isolating connector, the P-CO component connector or the P-FU fuse connector.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) The max. load current must not be exceeded by the total current of all connected conductors.

[2]) Observe max. load current.

[3]) Observe max load current, depending on the power dissipation of the components. Max 0.5 W with single arrangement.

[4]) For max. power dissipation, see page 729.

[5]) Current and voltage are determined by the connector used.





PIT 2,5-TG

Dimensions		Width	Length	Height NS 35/7,5
	[mm]	**5.2**	**60.5**	**36.5**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²] / AWG
		20	**400[5])**	**0.14 - 4 / 26 - 12**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA / IEC/ EN 60079-7
Rated voltage	[V]	400[5])	-	- / -
Nominal current / cross-section	[A] / [mm²]	20 / 2.5	- / -	- / -
Rated cross-section	[mm²]	2.5	-	- / -
Cross-section range	AWG	26 - 12	-	- / -
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve
One conductor	[mm²]	0.14 - 4	0.14 - 2.5	0.14 - 2.5 / 0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]			/ 0.5
Directly pluggable connection cross-sections	[mm²]	0.34 - 4	-	0.34 - 2.5 / 0.34 - 2.5
General data				
Stripping length	[mm]	10		
Insulating material		PA		
Inflammability class acc. to UL 94		V0		

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Disconnect terminal block, for mounting on NS 35...		Gray	**PIT 2,5-TG**		**3210185**	50

Accessories

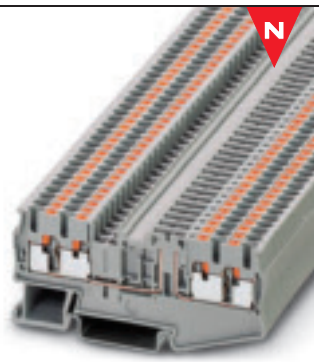
Cover, width 2.2 mm		Gray	**D-PIT 2,5-MT**		**3211003**	50
Insulation stop sleeve, cross-section range:						
0.08 - 0.2 mm²		White	**ISH 2,5/0,2**		**3002843**	50
0.25 - 0.5 mm²		Gray	**ISH 2,5/0,5**		**3002856**	50
0.75 - 1 mm²		Black	**ISH 2,5/1,0**		**3002869**	50
Plug-in bridge for cross connections in the bridge shaft						
	2	Red	**FBS 2-5**	24 A	**3030161**	50
	3	Red	**FBS 3-5**	24 A	**3030174**	50
	4	Red	**FBS 4-5**	24 A	**3030187**	50
	5	Red	**FBS 5-5**	24 A	**3030190**	50
	10	Red	**FBS 10-5**	24 A	**3030213**	10
	20	Red	**FBS 20-5**	24 A	**3030226**	10
Partition plate, for visual and electrical separation of terminal groups, 2 mm thick		Gray	**ATP-ST-TWIN**		**3030789**	50
Test plug, consisting of: metal part for 2.3 mm Ø socket hole and			**MPS-MT**		**0201744**	10
insulating sleeve for MPS metal part		Red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		Red	**PS-5**		**3030983**	10
Disconnect plugs[2])		Orange	**P-DI**		**3036783**	50
Feed-through connector[2])		Gray	**P-FIX**		**3038956**	50
Component connector, labeled with ZBF 5 or UC-TMF 5[3])		Gray	**P-CO**		**3036796**	10
Fuse connector, width 6.2 mm[4])		Black	**P-FU 5X20**		**3036806**	10
With light indicator for 12-30 V		Black	**P-FU 5X20 LED 24**		**3036819**	10
With light indicator for 30-60 V		Black	**P-FU 5X20 LED 60**		**3036822**	10
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10
UniCard sheet, for labeling the center groove			**UC-TM 5 (see page 479)**			
UniCard sheet, flat, for labeling the center and lateral grooves			**UC-TMF 5 (see page 482)**			
Zack markers, for labeling the center groove			**ZB 5 (see page 487)**			
Zack marker strip, flat, for labeling the center and lateral grooves			**ZBF 5 (see page 492)**			



PIT 2,5-TWIN-TG

Width	Length	Height NS 35/7,5	
5.2	**74**	**36.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
20[1])	**400[5])**	**0.14 - 4**	**26 - 12**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400[5])	-	-	-
20[1]) / 2.5	- / -	- / -	-
2.5	-	-	-
26 - 12	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
PIT 2,5-TWIN-TG		**3210198**	50
D-PIT 2,5-TWIN-MT		**3211317**	50
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
ATP-ST QUATTRO		**3030815**	50
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
P-DI		**3036783**	50
P-FIX		**3038956**	50
P-CO		**3036796**	10
P-FU 5X20		**3036806**	10
P-FU 5X20 LED 24		**3036819**	10
P-FU 5X20 LED 60		**3036822**	10
SZF 1-0,6X3,5		**1204517**	10
UC-TM 5 (see page 479)			
UC-TMF 5 (see page 482)			
ZB 5 (see page 487)			
ZBF 5 (see page 492)			



PIT 2,5-QUATTRO-TG

Width	Length	Height NS 35/7,5	
5.2	**84**	**36.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
20[1])	**400[5])**	**0.14 - 4**	**26 - 12**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400[5])	-	-	-
20[1]) / 2.5	- / -	- / -	-
2.5	-	-	-
26 - 12	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

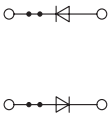
Type	I_{max}	Order No.	Pcs. / Pkt.
PIT 2,5-QUATTRO-TG		**3210208**	50
D-ST 2,5-QUATTRO-MT		**3038590**	50
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
P-DI		**3036783**	50
P-FIX		**3038956**	50
P-CO		**3036796**	10
P-FU 5X20		**3036806**	10
P-FU 5X20 LED 24		**3036819**	10
P-FU 5X20 LED 60		**3036822**	10
SZF 1-0,6X3,5		**1204517**	10
UC-TM 5 (see page 479)			
UC-TMF 5 (see page 482)			
ZB 5 (see page 487)			
ZBF 5 (see page 492)			

Component terminal blocks PIT ...-DIO...

Using the diode terminal blocks of the PIT push-in connection terminal blocks makes it possible to solve a variety of switching tasks.
The diode 1N 4007 is integrated either from left to right or vice-versa in the terminal housings.
Three and four-conductor terminal blocks are also available for multi-conductor connections.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) The max. current is determined by the diode. Integrated: diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 0.5 A





PIT 2,5-DIO/...

With integrated diode 1N 4007

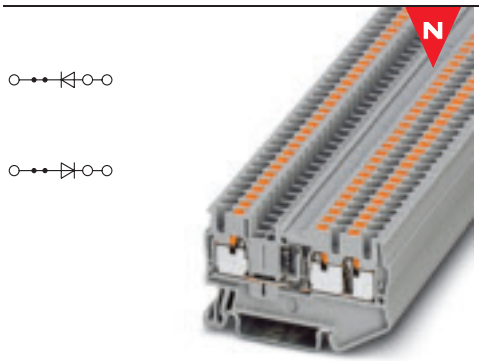
Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**48.5**	**36.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		0.5[1])	**800**	**0.14 - 4**	**26 - 12**
Rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	800	-	-	-
Nominal current / cross-section	[A] / [mm²]	0.5[1]) / 1	- / -	- / -	-
Rated cross-section	[mm²]	2.5	-	-	-
Cross-section range	AWG	26 - 12	-	-	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]				0.5
Directly pluggable connection cross-sections	[mm²]	0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
General data					
Stripping length	[mm]	10			
Insulating material		PA			
Inflammability class acc. to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, with integrated diode, conducting from left to right		Gray	**PIT 2,5-DIO/L-R**		**3210224**	50
Terminal block, with integrated diode, conducting from right to left		Gray	**PIT 2,5-DIO/R-L**		**3210237**	50

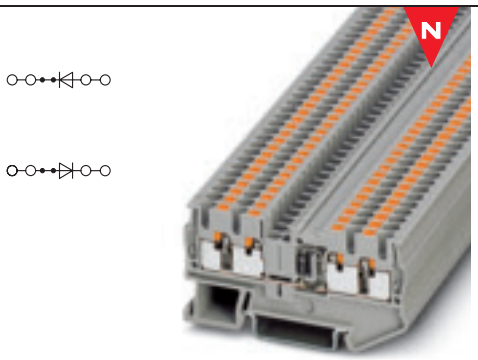
Accessories

Cover, width 2.2 mm		Gray	**D-ST 2,5**		**3030417**	50
Insulation stop sleeve, cross-section range:						
0.08 - 0.2 mm²		White	**ISH 2,5/0,2**		**3002843**	50
0.25 - 0.5 mm²		Gray	**ISH 2,5/0,5**		**3002856**	50
0.75 - 1 mm²		Black	**ISH 2,5/1,0**		**3002869**	50
Plug-in bridge for cross connections in the bridge shaft						
	2	Red	**FBS 2-5**	24 A	**3030161**	50
	3	Red	**FBS 3-5**	24 A	**3030174**	50
	4	Red	**FBS 4-5**	24 A	**3030187**	50
	5	Red	**FBS 5-5**	24 A	**3030190**	50
	10	Red	**FBS 10-5**	24 A	**3030213**	10
	20	Red	**FBS 20-5**	24 A	**3030226**	10
Partition plate, for visual and electrical separation of terminal groups, 2 mm thick		Gray	**ATP-ST 4**		**3030721**	50
Test adapter, for 4 mm Ø PS test plug and 4 mm safety test plug, makes contact in the bridge shaft		Gray	**PAI-4**		**3030925**	10
Test plug, consisting of: metal part for 2.3 mm Ø socket hole and			**MPS-MT**		**0201744**	10
insulating sleeve for MPS metal part		Red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		Red	**PS-5**		**3030983**	10
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10
UniCard sheet, for labeling the center groove			**UC-TM 5 (see page 479)**			
UniCard sheet, flat, for labeling the center and lateral grooves			**UC-TMF 5 (see page 482)**			
Zack markers, for labeling the center groove			**ZB 5 (see page 487)**			
Zack marker strip, flat, for labeling the center and lateral grooves			**ZBF 5 (see page 492)**			



PIT 2,5-TWIN-DIO/...

With integrated diode 1N 4007



PIT 2,5-QUATTRO-DIO/...

With integrated diode 1N 4007

Width	Length	Height NS 35/7,5	
5.2	**60.5**	**36.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
0.5[1])	**800**	**0.14 - 4**	**26 - 12**
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800	-	-	-
0.5[1]) / 1	- / -	- / -	-
2.5	-	-	-
26 - 12	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

Width	Length	Height NS 35/7,5	
5.2	**72**	**36.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
0.5[1])	**800**	**0.14 - 4**	**26 - 12**
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800	-	-	-
0.5[1]) / 1	- / -	- / -	-
2.5	-	-	-
26 - 12	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
PIT 2,5-TWIN-DIO/L-R		**3210240**	50
PIT 2,5-TWIN-DIO/R-L		**3210253**	50
D-ST 2,5-TWIN		**3030488**	50
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
ATP-ST-TWIN		**3030789**	50
PAI-4		**3030925**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
SZF 1-0,6X3,5		**1204517**	10
UC-TM 5 (see page 479)			
UC-TMF 5 (see page 482)			
ZB 5 (see page 487)			
ZBF 5 (see page 492)			

Type	I_{max}	Order No.	Pcs. / Pkt.
PIT 2,5-QUATTRO-DIO/L-R		**3210266**	50
PIT 2,5-QUATTRO-DIO/R-L		**3210279**	50
D-ST 2,5-QUATTRO		**3030514**	50
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
ATP-ST QUATTRO		**3030815**	50
PAI-4		**3030925**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
SZF 1-0,6X3,5		**1204517**	10
UC-TM 5 (see page 479)			
UC-TMF 5 (see page 482)			
ZB 5 (see page 487)			
ZBF 5 (see page 492)			

Component terminal blocks PITTB ...

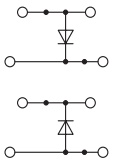
Thanks to the different versions of double-level diode and light indicator terminal blocks, it is possible to carry out a great variety of switching tasks.

In a minimum of space, it is possible to configure:

– Free-wheeling diode circuits
– Lamp test circuits
– Alarm and fault message circuits

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

1) The max. current is determined by the diode. Integrated: diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 0.5 A





PITTB 2,5-DIO/...

With integrated diode 1N 4007

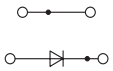
Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**68**	**47.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		26[1])	**500**	**0.14 - 4**	**26 - 12**
Rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	-	-	-
Nominal current / cross-section	[A] / [mm²]	20[1]) / 2.5	- / -	- / -	-
Rated cross-section	[mm²]	2.5	-	-	-
Cross-section range	AWG	26 - 12	-	-	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]				0.5
Directly pluggable connection cross-sections	[mm²]	0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
General data					
Stripping length	[mm]	10			
Insulating material		PA			
Inflammability class acc. to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, with integrated 1N 4007 diode, conducting from top to bottom		Gray	**PITTB 2,5-DIO/O-U**		**3210923**	50
Terminal block, with integrated 1N 4007 diode, conducting from bottom to top		Gray	**PITTB 2,5-DIO/U-O**		**3210936**	50
Terminal block, with integrated 1N 4007 diode, conducting from bottom left to bottom right		Gray				
Terminal block, with two integrated 1N 4007 diodes, conducting direction from top to bottom left and from bottom right to bottom left		Gray				
Terminal block, with two integrated 1N 4007 diodes, conducting direction from top to bottom left and from top to bottom right		Gray				
Terminal block, with light indicator						
With light indicator for 12-30 V DC, 0.7-2.4 mA		Gray				
With light indicator for 30-60 V DC, 0.8-1.8 mA		Gray				
With light indicator for 110-250 V AC/DC, 0.1-0.5 mA		Gray				

Accessories

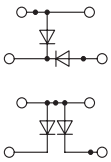
Cover, width 2.2 mm		Gray	**D-PITTB 2,5**		**3211634**	50
Plug-in bridge for cross connections in the bridge shaft						
	2	Red	**FBS 2-5**	20 A	**3030161**	50
	3	Red	**FBS 3-5**	20 A	**3030174**	50
	4	Red	**FBS 4-5**	20 A	**3030187**	50
	5	Red	**FBS 5-5**	20 A	**3030190**	50
	10	Red	**FBS 10-5**	20 A	**3030213**	10
	20	Red	**FBS 20-5**	20 A	**3030226**	10
Partition plate, for visual and electrical separation of terminal groups, 2 mm thick		Gray	**ATP-STTB 4**		**3030747**	50
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10
UniCard sheet, flat, for labeling the center and lateral grooves			**UC-TMF 5 (see page 482)**			
Zack marker strip, flat, for labeling the center and lateral grooves			**ZBF 5 (see page 492)**			





PITTB 2,5-DIO/UL-UR

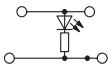
With integrated diode 1N 4007





PITTB 2,5-2DIO/O-UL/...

With two integrated diodes 1N 4007





PITTB 2,5-LA ...

With light indicator

Width	Length	Height NS 35/7,5	
5.2	**68**	**47.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
26[1])	**500**	**0.14 - 4**	**26 - 12**
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	-	-	-
20[1]) / 2.5	- / -	- / -	-
2.5	-	-	-
26 - 12	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

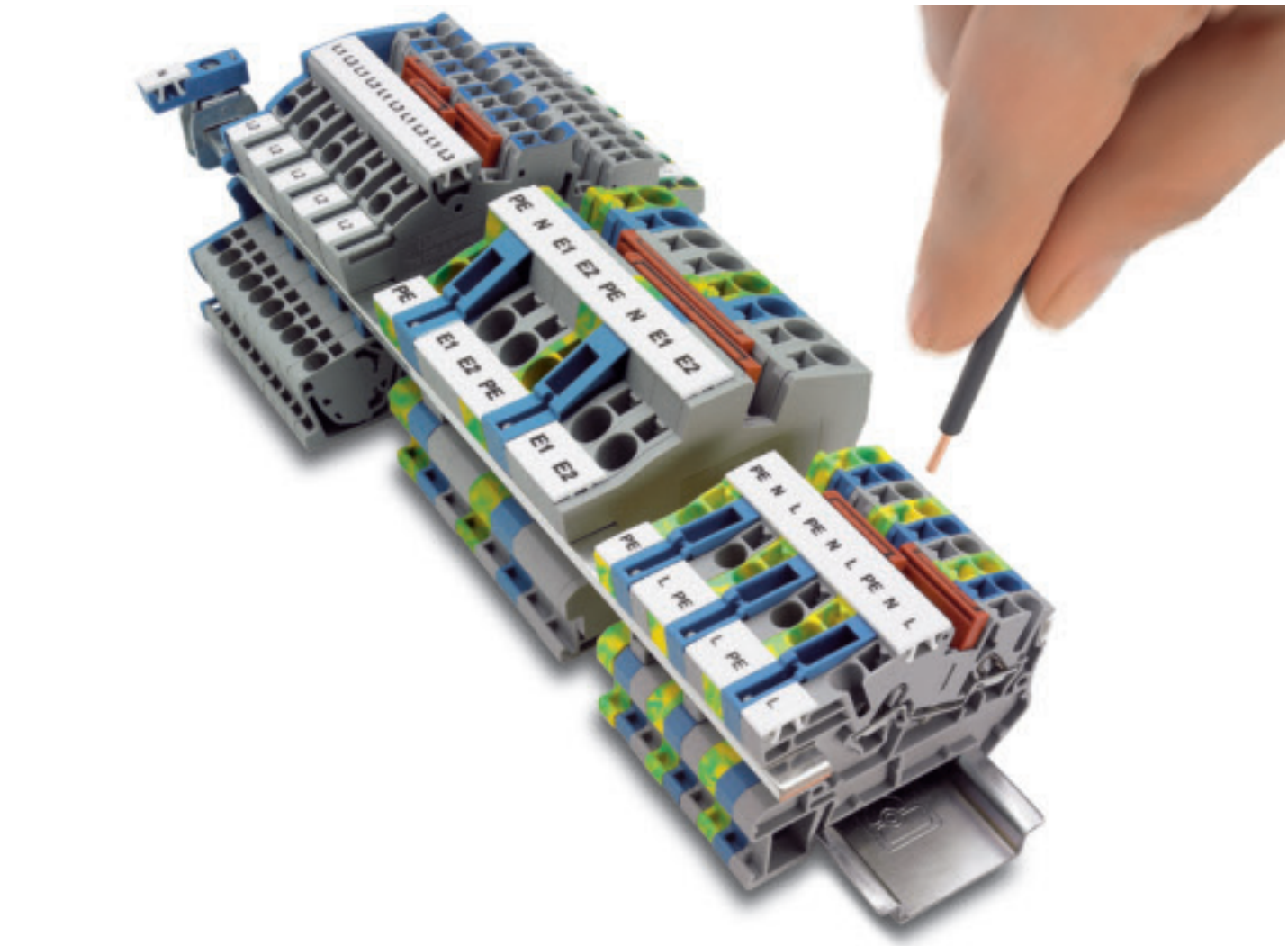
Type	I_{max}	Order No.	Pcs. / Pkt.
PITTB 2,5-DIO/UL-UR		**3211427**	50
D-PITTB 2,5		**3211634**	50
FBS 2-5	20 A	**3030161**	50
FBS 3-5	20 A	**3030174**	50
FBS 4-5	20 A	**3030187**	50
FBS 5-5	20 A	**3030190**	50
FBS 10-5	20 A	**3030213**	10
FBS 20-5	20 A	**3030226**	10
ATP-STTB 4		**3030747**	50
SZF 1-0,6X3,5		**1204517**	10
UC-TMF 5 (see page 482)			
ZBF 5 (see page 492)			

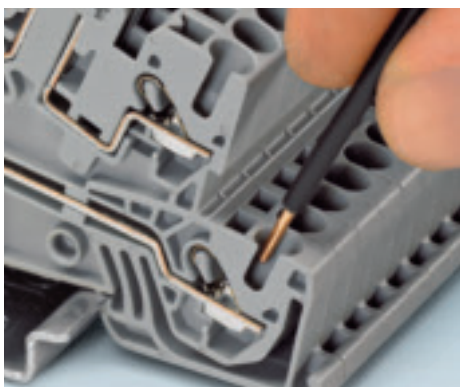
Width	Length	Height NS 35/7,5	
5.2	**68**	**47.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
26[1])	**250**	**0.14 - 4**	**26 - 12**
IEC	UL / CUL	CSA	IEC/ EN 60079-7
250	-	-	-
20[1]) / 2.5	- / -	- / -	-
2.5	-	-	-
26 - 12	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
PITTB 2,5-2DIO/O-UL/UR-UL		**3211430**	50
PITTB 2,5-2DIO/O-UL/O-UR		**3211443**	50
D-PITTB 2,5		**3211634**	50
FBS 2-5	20 A	**3030161**	50
FBS 3-5	20 A	**3030174**	50
FBS 4-5	20 A	**3030187**	50
FBS 5-5	20 A	**3030190**	50
FBS 10-5	20 A	**3030213**	10
FBS 20-5	20 A	**3030226**	10
ATP-STTB 4		**3030747**	50
SZF 1-0,6X3,5		**1204517**	10
UC-TMF 5 (see page 482)			
ZBF 5 (see page 492)			

Width	Length	Height NS 35/7,5	
5.2	**68**	**47.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
26	**24**	**0.14 - 4**	**26 - 12**
IEC	UL / CUL	CSA	IEC/ EN 60079-7
24	-	-	-
22 / 2.5	- / -	- / -	-
2.5	-	-	-
26 - 12	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

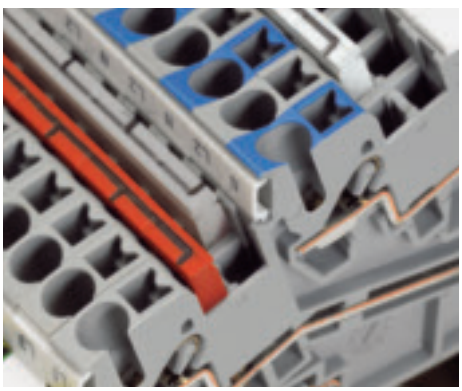
Type	I_{max}	Order No.	Pcs. / Pkt.
PITTB 2,5-LA 24 RD		**3211456**	50
PITTB 2,5-LA 60 RD		**3211469**	50
PITTB 2,5-LA 230		**3211472**	50
D-PITTB 2,5		**3211634**	50
FBS 2-5	20 A	**3030161**	50
FBS 3-5	20 A	**3030174**	50
FBS 4-5	20 A	**3030187**	50
FBS 5-5	20 A	**3030190**	50
FBS 10-5	20 A	**3030213**	10
FBS 20-5	20 A	**3030226**	10
ATP-STTB 4		**3030747**	50
SZF 1-0,6X3,5		**1204517**	10
UC-TMF 5 (see page 482)			
ZBF 5 (see page 492)			





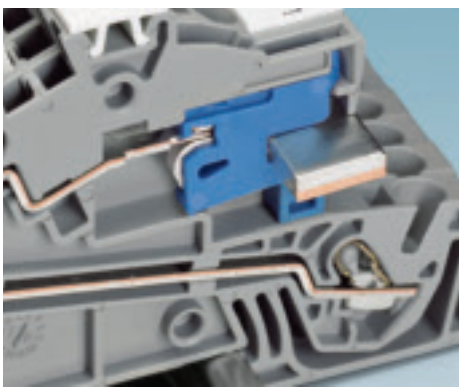
Strip - Plug - Done

Simple handling is a critical advantage due to the limited wiring space in installation engineering. Since single-wire conductors are mainly used, tool-free direct connection is particularly suitable for electrical installation in building automation.



Double bridge shaft

To permit fast and individual potential distribution, there are double bridge shafts for each level. With the help of the CLIPLINE complete plug-in bridge system, cross connections can be multiplied as often as necessary, e.g. three-phase systems with L1/L2/L3 potentials within a terminal strip.



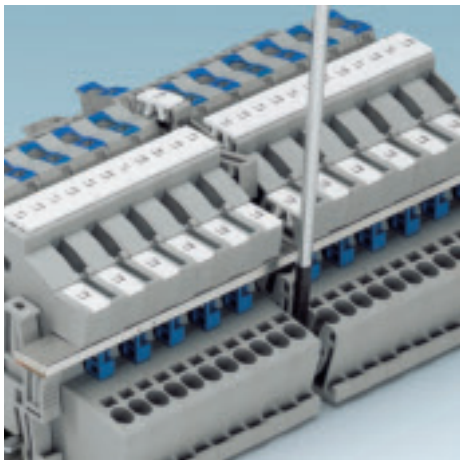
Fast neutral conductor separation

All DTI neutral conductor disconnect terminal blocks have a screwless disconnect slide. When this is levered over with a standard screwdriver, the contact fork slides onto the busbar. The slide engages in the end positions to provide additional protection against accidental contacting.



For special circuits, three-level terminal blocks with function blocks are available: Disconnect element, fuse or component connectors can be integrated easily and flexibly into the universal plug-in zone.

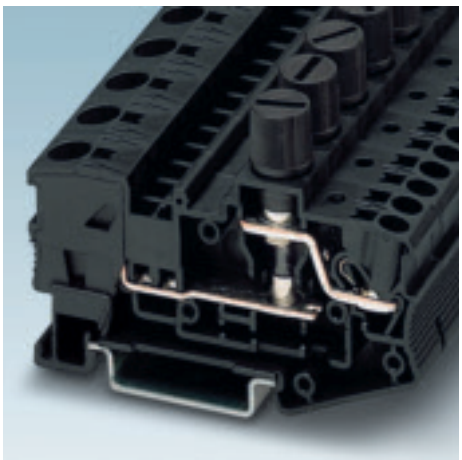
The terminal block variants with individual circuit isolation meet the safety requirements as per DIN VDE 0100-718.



The DTI installation terminal blocks can also be easily replaced when installed in a configuration. The neutral busbars need not be removed.

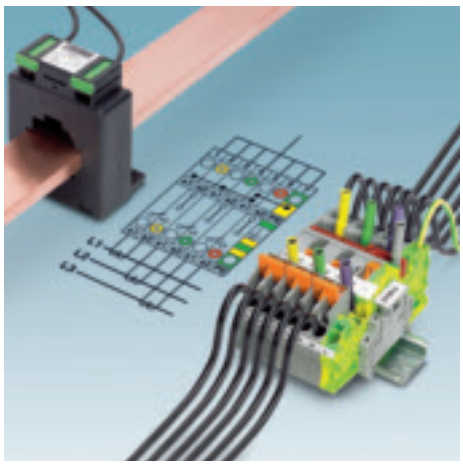


All installation terminal blocks with different connection methods such as DTI push-in connection, STI spring-cage connection, UTN and PIK screw connection from Phoenix Contact can be combined with one another. The position of the neutral busbar is the same in all installation terminal blocks.

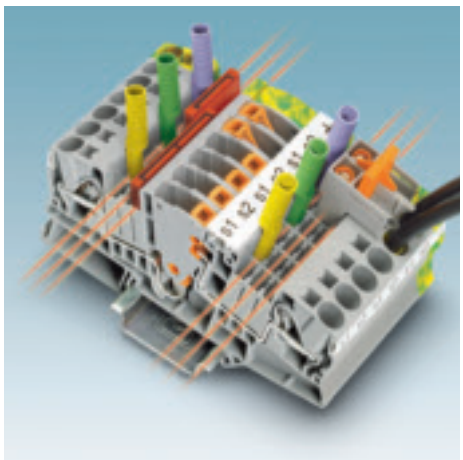


The DT 6/2,5-DREHSI fuse terminal blocks with push-in connection method provide a 6 mm^2 connection on the feed side and two 2.5 mm^2 connections on the output side.

The standardized 5 x 20 mm fine fuses are accommodated with the help of the screw cap. The double bridge shaft allows almost all potential distribution tasks to be implemented.

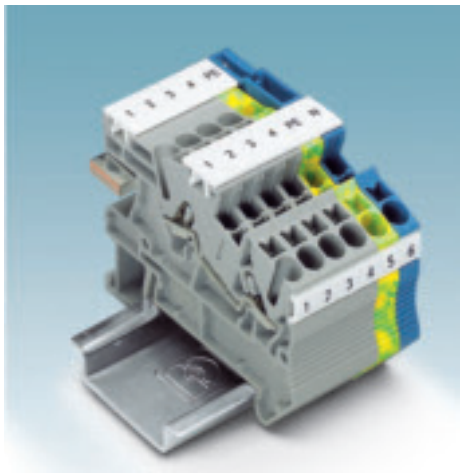


The new generation of compact DTME 6 test disconnect terminal blocks with push-in connection method is characterized by easy operation and clarity. The screwless longitudinal isolating switch contacts and snaps in safely in the respective switching status. All switching statuses can be clearly identified at a glance.



Thanks to the extensive range of flexible accessories, costs and time are saved when executing all transducer test circuit tasks. The bridge, test and switching accessories can be used individually in the six function shafts.

Installation terminal blocks DTI ...



For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



DTI 2,5 ...

The feed-through versions of the DTI range of installation terminal blocks is characterized by the special housing shape. The asymmetric housing base enables the neutral conductor busbar to be continuously fed through as well as subsequent mounting/removal in interconnected arrangement, through all cross-sections and connection methods.

The DTI installation terminal blocks in the nominal cross-section of 6 mm² are suitable for larger conductor cross-sections. In addition to the lateral feed-through of the neutral conductor busbars, the compact terminal blocks also enable supply through the continuous bridge shaft.

All CLIPLINE complete system features such as bridging, testing and marking have naturally also been included in the DTI installation range.

Assembly

To fix the neutral busbar securely, supports must be set at the beginning and end of each terminal strip as well as every 20 cm on longer terminal strips.

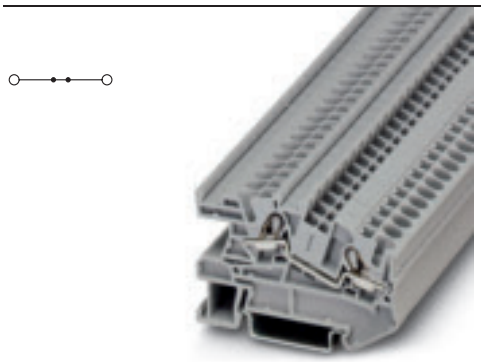
Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**59.5**	**43**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		24	**800**	**0.2 - 4**	**22 - 12**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	800	-	-	-
Nominal current / cross-section	[A] / [mm²]	24 / 2.5	- / -	- / -	-
Rated cross-section	[mm²]	4	-	-	-
Cross-section range	AWG	22 - 12	-	-	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.2 - 4	0.2 - 4	0.25 - 2.5	0.25 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]				0.5
General data					
Stripping length	[mm]	10			
Insulating material		PA			
Inflammability class acc. to UL 94		V0			

Ordering data

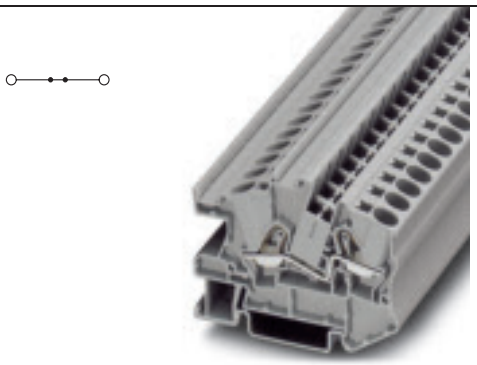
Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		Gray	**DTI 2,5**		**3034772**	50
		Blue	**DTI 2,5 BU**		**3034785**	50

Accessories

Cover, width 2.2 mm		Gray	**D-DTI 2,5**		**3034824**	50
Insulation stop sleeve, cross-section range:						
0.08 - 0.2 mm²		White	**ISH 2,5/0,2**		**3002843**	50
0.25 - 0.5 mm²		Gray	**ISH 2,5/0,5**		**3002856**	50
0.75 - 1 mm²		Black	**ISH 2,5/1,0**		**3002869**	50
Plug-in bridge for cross connections in the bridge shaft						
	2	Red	**FBS 2-5**	24 A	**3030161**	50
	3	Red	**FBS 3-5**	24 A	**3030174**	50
	4	Red	**FBS 4-5**	24 A	**3030187**	50
	5	Red	**FBS 5-5**	24 A	**3030190**	50
	10	Red	**FBS 10-5**	24 A	**3030213**	10
	20	Red	**FBS 20-5**	24 A	**3030226**	10
PEN conductor busbar, 3 x 10 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A		Silver	**NLS-CU 3/10 SN 1000MM**	140 A	**0402174**	10
Test adapter, for 4 mm Ø PS test plug and 4 mm safety test plug, makes contact in the bridge shaft		Gray	**PAI-4**		**3030925**	10
Test plug, consisting of: metal part for 2.3 mm Ø socket hole and			**MPS-MT**		**0201744**	10
insulating sleeve for MPS metal part		Red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		Red	**PS-5**		**3030983**	10
Support, blue insulating material, for holding the neutral busbar, must be set every 20 cm, 2 mm wide		Blue	**AB-STI**		**3030828**	50
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10
Warning cover, for actuation shafts, 5-pos.		Yellow	**WST 2,5**		**3030941**	50
UniCard sheet, for labeling the center groove			**UC-TM 5 (see page 479)**			
UniCard sheet, flat, for labeling the center and lateral grooves			**UC-TMF 5 (see page 482)**			
Zack markers, for labeling the center groove			**ZB 5 (see page 487)**			
Zack marker strip, flat, for labeling the center and lateral grooves			**ZBF 5 (see page 492)**			



DTI 4 ...



DTI 6 ...

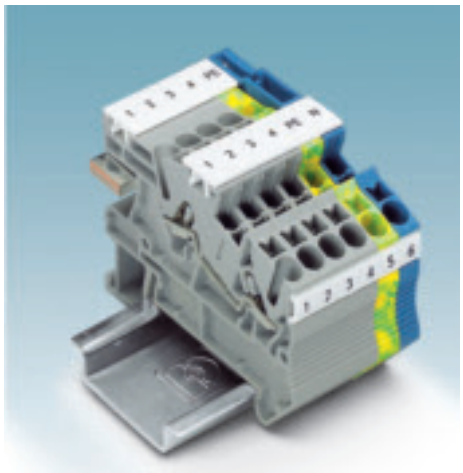
Width	Length	Height NS 35/7,5	
6.2	**66**	**43**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
32	**800**	**0.2 - 6**	**24 - 10**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800	-	-	-
32 / 4	- / -	- / -	-
4	-	-	-
24 - 10	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 4 0.5 - 1
10			
PA			
V0			

Width	Length	Height NS 35/7,5	
8.2	**66**	**50**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
41	**800**	**0.5 - 10**	**20 - 8**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800	-	-	-
41 / 6	- / -	- / -	-
6	-	-	-
20 - 8	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6 0.5 - 1.5
12			
PA			
V0			

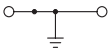
Type	I_{max}	Order No.	Pcs. / Pkt.
DTI 4		**3034840**	50
DTI 4 BU		**3034853**	50
D-DTI 4		**3034895**	50
ISH 4/0,5		**3002885**	50
ISH 4/1,0		**3002898**	50
FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 10-6	32 A	**3030271**	10
FBS 20-6	32 A	**3030365**	10
NLS-CU 3/10 SN 1000MM	140 A	**0402174**	10
PAI-4		**3030925**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
AB-STI		**3030828**	50
SZF 1-0,6X3,5		**1204517**	10
WST 4		**3030954**	50
UC-TM 6 (see page 479)			
UC-TMF 6 (see page 483)			
ZB 6 (see page 487)			
ZBF 6 (see page 493)			

Type	I_{max}	Order No.	Pcs. / Pkt.
DTI 6		**3034905**	50
DTI 6 BU		**3034918**	50
D-DTI 6		**3034947**	50
FBS 2-8	41 A	**3030284**	10
FBS 3-8	41 A	**3030297**	10
FBS 4-8	41 A	**3030307**	10
FBS 5-8	41 A	**3030310**	10
FBS 10-8	41 A	**3030323**	10
NLS-CU 3/10 SN 1000MM	140 A	**0402174**	10
PS-8		**3031005**	10
AB-DTI 6		**3034999**	50
SZF 2-0,8X4,0		**1204520**	10
WST 6		**3030967**	10
UC-TM 8 (see page 479)			
UC-TMF 8 (see page 483)			
ZB 8 (see page 489)			
ZBF 8 (see page 493)			

Ground terminal blocks DTI ...-PE



Ground terminal blocks with the same shape and the same pitch are available for all DTI installation terminal blocks. Contact to the DIN rail is made by simply snapping the terminal block onto the rail.





DTI 2,5-PE

Current carrying capacity of DIN rails, see page 728.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

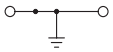
Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**59.5**	**43**	
Max. electrical data				Max. Ø [mm²]	AWG
				0.2 - 4	**24 - 12**
Rated data		IEC 60947-7-2 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	-	-	-	-
Nominal current / cross-section	[A] / [mm²]	- / -	- / -	- / -	-
Rated cross-section	[mm²]	4	-	-	-
Cross-section range	AWG	24 - 12	-	-	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.2 - 4	0.2 - 4	0.25 - 2.5	0.25 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]				0.5
General data					
Stripping length	[mm]	10			
Insulating material		PA			
Inflammability class acc. to UL 94		V0			

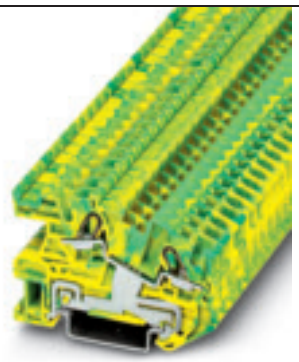
Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Ground terminal block, for mounting on NS 35...		Green-yellow	**DTI 2,5-PE**		**3034798**	50

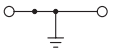
Accessories

Cover, width 2.2 mm		Gray	**D-DTI 2,5**		**3034824**	50
Insulation stop sleeve, cross-section range:						
0.08 - 0.2 mm²		White	**ISH 2,5/0,2**		**3002843**	50
0.25 - 0.5 mm²		Gray	**ISH 2,5/0,5**		**3002856**	50
0.75 - 1 mm²		Black	**ISH 2,5/1,0**		**3002869**	50
Plug-in bridge for cross connections in the bridge shaft						
	2	Red	**FBS 2-5**		**3030161**	50
	3	Red	**FBS 3-5**		**3030174**	50
	4	Red	**FBS 4-5**		**3030187**	50
	5	Red	**FBS 5-5**		**3030190**	50
	10	Red	**FBS 10-5**		**3030213**	10
	20	Red	**FBS 20-5**		**3030226**	10
PEN conductor busbar, 3 x 10 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A		Silver	**NLS-CU 3/10 SN 1000MM**	140 A	**0402174**	10
Test adapter, for 4 mm Ø PS test plug and 4 mm safety test plug, makes contact in the bridge shaft		Gray	**PAI-4**		**3030925**	10
Test plug, consisting of: metal part for 2.3 mm Ø socket hole and			**MPS-MT**		**0201744**	10
insulating sleeve for MPS metal part		Red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		Red	**PS-5**		**3030983**	10
Support, blue insulating material, for holding the neutral busbar, must be set every 20 cm, 2 mm wide		Blue	**AB-STI**		**3030828**	50
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10
Warning cover, for actuation shafts, 5-pos.		Yellow	**WST 2,5**		**3030941**	50
UniCard sheet, for labeling the center groove			**UC-TM 5 (see page 479)**			
UniCard sheet, flat, for labeling the center and lateral grooves			**UC-TMF 5 (see page 482)**			
Zack markers, for labeling the center groove			**ZB 5 (see page 487)**			
Zack marker strip, flat, for labeling the center and lateral grooves			**ZBF 5 (see page 492)**			





DTI 4-PE





DTI 6-PE

Width	Length	Height NS 35/7,5	
6.2	**66**	**43**	
		Max. Ø [mm²]	AWG
		0.2 - 6	**24 - 10**
IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	-
4	-	-	-
24 - 10	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 4 0.5 - 1
10			
PA			
V0			

Width	Length	Height NS 35/7,5	
8.2	**66**	**50**	
		Max. Ø [mm²]	AWG
		0.5 - 10	**20 - 8**
IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	-
6	-	-	-
20 - 8	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6 0.5 - 1.5
12			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
DTI 4-PE		**3034866**	50
D-DTI 4		**3034895**	50
ISH 4/0,5		**3002885**	50
ISH 4/1,0		**3002898**	50
FBS 2-6		**3030336**	50
FBS 3-6		**3030242**	50
FBS 4-6		**3030255**	50
FBS 5-6		**3030349**	50
FBS 10-6		**3030271**	10
FBS 20-6		**3030365**	10
NLS-CU 3/10 SN 1000MM	140 A	**0402174**	10
PAI-4		**3030925**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
AB-STI		**3030828**	50
SZF 1-0,6X3,5		**1204517**	10
WST 4		**3030954**	50
UC-TM 6 (see page 479)			
UC-TMF 6 (see page 483)			
ZB 6 (see page 487)			
ZBF 6 (see page 493)			

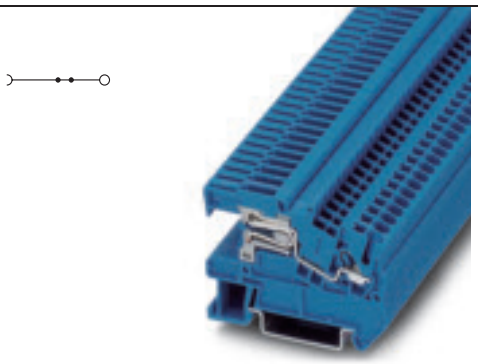
Type	I_{max}	Order No.	Pcs. / Pkt.
DTI 6-PE		**3034921**	50
D-DTI 6		**3034947**	50
FBS 2-8		**3030284**	10
FBS 3-8		**3030297**	10
FBS 4-8		**3030307**	10
FBS 5-8		**3030310**	10
FBS 10-8		**3030323**	10
NLS-CU 3/10 SN 1000MM	140 A	**0402174**	10
PS-8		**3031005**	10
AB-DTI 6		**3034999**	50
SZF 2-0,8X4,0		**1204520**	10
WST 6		**3030967**	10
UC-TM 8 (see page 479)			
UC-TMF 8 (see page 483)			
ZB 8 (see page 489)			
ZBF 8 (see page 493)			

Installation terminal blocks DTN ...

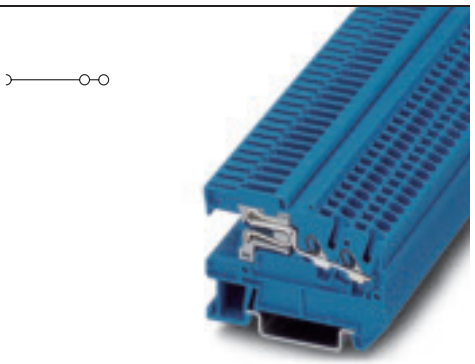
For the first time, the 2.5 mm² cross-section range not only contains feed-through and protective conductor versions, but also a neutral conductor disconnect terminal block of the same shape with multiple conductor connection.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) The max. load current must not be exceeded by the total current of all connected conductors.



DTN 2,5



DTN 2,5-TWIN

Dimensions		Width	Length	Height NS 35/7,5		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**59.5**	**43**		**5.2**	**59.5**	**43**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG	$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		24	**250**	**0.2 - 4**	**24 - 12**	**24[1])**	**250**	**0.2 - 4**	**24 - 12**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7	IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	250	-	-	-	250	-	-	-
Nominal current / cross-section	[A] / [mm²]	24 / 2.5	- / -	- / -	-	24[1]) / 2.5	- / -	- / -	-
Rated cross-section	[mm²]	4	-	-	-	4	-	-	-
Cross-section range	AWG	24 - 12	-	-	-	24 - 12	-	-	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.2 - 4	0.2 - 4	0.25 - 2.5	0.25 - 2.5	0.2 - 4	0.2 - 4	0.25 - 2.5	0.25 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]				0.5				0.5
General data									
Stripping length	[mm]	10				10			
Insulating material		PA				PA			
Inflammability class acc. to UL 94		V0				V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		Blue	**DTN 2,5**		**3034808**	50	**DTN 2,5-TWIN**		**3034811**	50

Accessories

Cover, width 2.2 mm		Gray	**D-DTI 2,5**		**3034824**	50	**D-DTI 2,5**		**3034824**	50
Insulation stop sleeve, cross-section range:										
0.08 - 0.2 mm²		White	**ISH 2,5/0,2**		**3002843**	50	**ISH 2,5/0,2**		**3002843**	50
0.25 - 0.5 mm²		Gray	**ISH 2,5/0,5**		**3002856**	50	**ISH 2,5/0,5**		**3002856**	50
0.75 - 1 mm²		Black	**ISH 2,5/1,0**		**3002869**	50	**ISH 2,5/1,0**		**3002869**	50
Plug-in bridge for cross connections in the bridge shaft										
	2	Red	**FBS 2-5**	24 A	**3030161**	50				
	3	Red	**FBS 3-5**	24 A	**3030174**	50				
	4	Red	**FBS 4-5**	24 A	**3030187**	50				
	5	Red	**FBS 5-5**	24 A	**3030190**	50				
	10	Red	**FBS 10-5**	24 A	**3030213**	10				
	20	Red	**FBS 20-5**	24 A	**3030226**	10				
PEN conductor busbar, 3 x 10 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A		Silver	**NLS-CU 3/10 SN 1000MM**	140 A	**0402174**	10	**NLS-CU 3/10 SN 1000MM**	140 A	**0402174**	10
Test adapter, for 4 mm Ø PS test plug and 4 mm safety test plug, makes contact in the bridge shaft		Gray	**PAI-4**		**3030925**	10				
Test plug, consisting of: metal part for 2.3 mm Ø socket hole and			**MPS-MT**		**0201744**	10				
insulating sleeve for MPS metal part		Red	**MPS-IH RD**		**0201676**	10				
Modular test plug, for the individual assembly of test plug strips		Red	**PS-5**		**3030983**	10				
Support, blue insulating material, for holding the neutral busbar, must be set every 20 cm, 2 mm wide		Blue	**AB-STI**		**3030828**	50	**AB-STI**		**3030828**	50
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10	**SZF 1-0,6X3,5**		**1204517**	10
Warning cover, for actuation shafts, 5-pos.		Yellow	**WST 2,5**		**3030941**	50	**WST 2,5**		**3030941**	50
UniCard sheet, for labeling the center groove			**UC-TM 5 (see page 479)**				**UC-TM 5 (see page 479)**			
UniCard sheet, flat, for labeling the center and lateral grooves			**UC-TMF 5 (see page 482)**				**UC-TMF 5 (see page 482)**			
Zack markers, for labeling the center groove			**ZB 5 (see page 487)**				**ZB 5 (see page 487)**			
Zack marker strip, flat, for labeling the center and lateral grooves			**ZBF 5 (see page 492)**				**ZBF 5 (see page 492)**			



DTN 4

Width	Length	Height NS 35/7,5	
6.2	**66**	**43**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
32	**250**	**0.2 - 6**	**24 - 10**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
250	-	-	-
32 / 4	- / -	- / -	-
4	-	-	-
24 - 10	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 4 0.5 - 1
10			
PA			
V0			

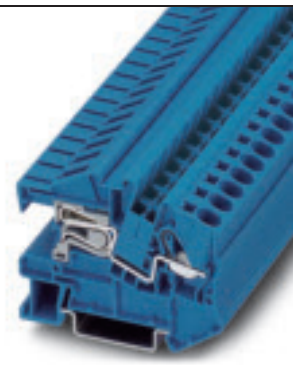
Type	I_{max}	Order No.	Pcs. / Pkt.
DTN 4		**3034879**	50
D-DTI 4		**3034895**	50
ISH 4/0,5		**3002885**	50
ISH 4/1,0		**3002898**	50
FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 10-6	32 A	**3030271**	10
FBS 20-6	32 A	**3030365**	10
NLS-CU 3/10 SN 1000MM	140 A	**0402174**	10
PAI-4		**3030925**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
AB-STI		**3030828**	50
SZF 1-0,6X3,5		**1204517**	10
WST 4		**3030954**	50
UC-TM 6 (see page 479)			
UC-TMF 6 (see page 483)			
ZB 6 (see page 487)			
ZBF 6 (see page 493)			



DTN 4-TWIN

Width	Length	Height NS 35/7,5	
6.2	**66**	**43**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
32[1])	**250**	**0.2 - 6**	**24 - 10**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
250	-	-	-
32[1]) / 4	- / -	- / -	-
4	-	-	-
24 - 10	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 4 0.5 - 1
10			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
DTN 4-TWIN		**3034507**	50
D-DTI 4		**3034895**	50
ISH 4/0,5		**3002885**	50
ISH 4/1,0		**3002898**	50
NLS-CU 3/10 SN 1000MM	140 A	**0402174**	10
SZF 1-0,6X3,5		**1204517**	10
WST 4		**3030954**	50
UC-TM 6 (see page 479)			
UC-TMF 6 (see page 483)			
ZB 6 (see page 487)			
ZBF 6 (see page 493)			



DTN 6

Width	Length	Height NS 35/7,5	
8.2	**66**	**50**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
41	**400**	**0.5 - 10**	**20 - 8**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	-	-	-
41 / 6	- / -	- / -	-
6	-	-	-
20 - 8	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6 0.5 - 1.5
12			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
DTN 6		**3034934**	50
D-DTI 6		**3034947**	50
FBS 2-8	41 A	**3030284**	10
FBS 3-8	41 A	**3030297**	10
FBS 4-8	41 A	**3030307**	10
FBS 5-8	41 A	**3030310**	10
FBS 10-8	41 A	**3030323**	10
NLS-CU 3/10 SN 1000MM	140 A	**0402174**	10
PS-8		**3031005**	10
AB-DTI 6		**3034999**	50
SZF 2-0,8X4,0		**1204520**	10
WST 6		**3030967**	10
UC-TM 8 (see page 479)			
UC-TMF 8 (see page 483)			
ZB 8 (see page 489)			
ZBF 8 (see page 493)			

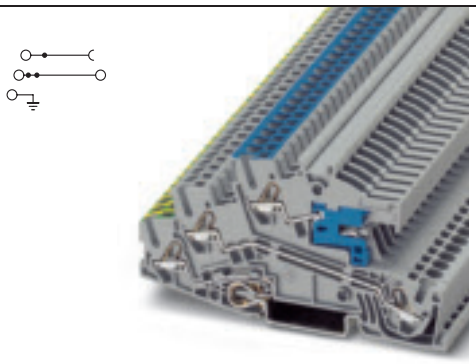
Multi-level installation terminal blocks DTI ...

The DTI three-level push-in connecting terminal blocks offer optimum operating properties for modern building installation.

A load circuit, for example, can be quickly and easily wired with a 5.2 mm wide DTI 2,5-PE/L/NT.

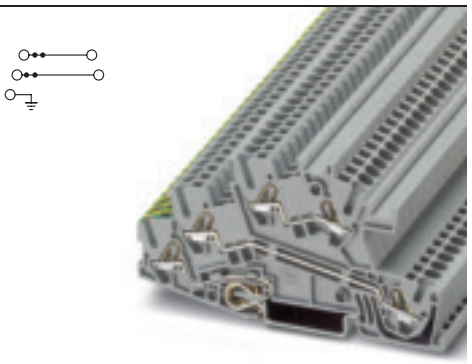
For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) 3-pos. termination block. Multiple position termination block 28 A.



DTI 2,5-PE/L/NT

1 x phase conductor L, 1 x PE, 1 x N-conductor, can be disconnected



DTI 2,5-PE/L/L

2 x phase conductor L, 1 x PE

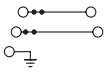
Dimensions		Width	Length	Height NS 35/7,5		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**99.5**	**50.5**		**5.2**	**99.5**	**50.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG	$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		32[1])	**400**	**0.2 - 4**	**24 - 12**	**32[1])**	**400**	**0.2 - 4**	**24 - 12**
Rated data		IEC 60947-7-1 / IEC 60947-7-2				IEC 60947-7-1 / IEC 60947-7-2			
		IEC	UL / CUL	CSA	IEC/ EN 60079-7	IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400	-	-	-	400	-	-	-
Phase conductor / phase conductor	[V]	400	-	-	-	400	-	-	-
Phase conductor / PE	[V]	250	-	-	-	250	-	-	-
Phase conductor / N	[V]	250	-	-	-	-	-	-	-
Nominal current / cross-section	[A] / [mm²]	24 / 2.5	- / -	- / -	-	24 / 2.5	- / -	- / -	-
Rated cross-section	[mm²]	4	-	-	-	4	-	-	-
Cross-section range	AWG	24 - 12	-	-	-	24 - 12	-	-	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.2 - 4	0.2 - 4	0.25 - 2.5	0.25 - 2.5	0.2 - 4	0.2 - 4	0.25 - 2.5	0.25 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]				0.5				0.5
General data									
Stripping length	[mm]	10				10			
Insulating material		PA				PA			
Inflammability class acc. to UL 94		V0				V0			

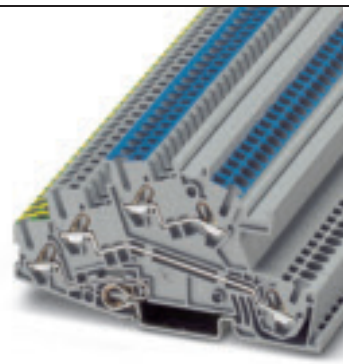
Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		Gray	**DTI 2,5-PE/L/NT**		**3034662**	50	**DTI 2,5-PE/L/L**		**3034645**	50

Accessories

Cover, width 2.2 mm		Gray	**D-DTI/3**		**3034730**	50	**D-DTI/3**		**3034730**	50
Plug-in bridge for cross connections in the bridge shaft										
	2	Red	**FBS 2-5**	24 A	**3030161**	50	**FBS 2-5**	24 A	**3030161**	50
	3	Red	**FBS 3-5**	24 A	**3030174**	50	**FBS 3-5**	24 A	**3030174**	50
	4	Red	**FBS 4-5**	24 A	**3030187**	50	**FBS 4-5**	24 A	**3030187**	50
	5	Red	**FBS 5-5**	24 A	**3030190**	50	**FBS 5-5**	24 A	**3030190**	50
	10	Red	**FBS 10-5**	24 A	**3030213**	10	**FBS 10-5**	24 A	**3030213**	10
	20	Red	**FBS 20-5**	24 A	**3030226**	10	**FBS 20-5**	24 A	**3030226**	10
Partition plate, for visual and electrical separation of terminal groups, 2 mm thick		Gray	**ATP-STI/3**		**3030857**	10	**ATP-STI/3**		**3030857**	10
PEN conductor busbar, 3 x 10 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A		Silver	**NLS-CU 3/10 SN 1000MM**	140 A	**0402174**	10	**NLS-CU 3/10 SN 1000MM**	140 A	**0402174**	10
Connection terminal block, steel, is pushed onto the NLS neutral busbar, can be labeled using ZB, with insulating cap, solid up to 16 mm², 10 mm wide		Blue	**AKG 16 BU**		**0423014**	50				
Up to 35 mm² solid, 14.4 mm wide		Blue	**AKG 35 BU**		**0424013**	50				
Modular test plug, for the individual assembly of test plug strips		Red	**PS-5**		**3030983**	10	**PS-5**		**3030983**	10
Support, to hold the neutral busbar, set every 20 cm, 2 mm wide		Gray	**AB-DTI/3**		**3034756**	50	**AB-DTI/3**		**3034756**	50
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10	**SZF 1-0,6X3,5**		**1204517**	10
Warning cover, for actuation shafts, 5-pos.		Yellow	**WST 2,5**		**3030941**	50	**WST 2,5**		**3030941**	50
UniCard sheet, for labeling the center groove			**UC-TM 5 (see page 479)**				**UC-TM 5 (see page 479)**			
UniCard sheet, flat, for labeling the center and lateral grooves			**UC-TMF 5 (see page 482)**				**UC-TMF 5 (see page 482)**			
Zack markers, for labeling the center groove			**ZB 5 (see page 487)**				**ZB 5 (see page 487)**			
Zack marker strip, flat, for labeling the center and lateral grooves			**ZBF 5 (see page 492)**				**ZBF 5 (see page 492)**			





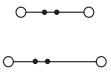
DTI 2,5-PE/L/N

1 x phase conductor L, 1 x PE, 1 x N-conductor



DTI 2,5-L

1 x phase conductor L





DTI 2,5-L/L

2 x phase conductor L

Width	Length	Height NS 35/7,5	
5.2	**99.5**	**50.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
32[1])	**400**	**0.2 - 4**	**24 - 12**
IEC 60947-7-1 / IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	-	-	-
400	-	-	-
250	-	-	-
250	-	-	-
24 / 2.5	- / -	- / -	-
4	-	-	-
24 - 12	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 2.5	0.25 - 2.5 0.5
10			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
DTI 2,5-PE/L/N		**3034659**	50
D-DTI/3		**3034730**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
ATP-STI/3		**3030857**	10
NLS-CU 3/10 SN 1000MM	140 A	**0402174**	10
PS-5		**3030983**	10
AB-DTI/3		**3034756**	50
SZF 1-0,6X3,5		**1204517**	10
WST 2,5		**3030941**	50
UC-TM 5 (see page 479)			
UC-TMF 5 (see page 482)			
ZB 5 (see page 487)			
ZBF 5 (see page 492)			

Width	Length	Height NS 35/7,5	
5.2	**99.5**	**50.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
32[1])	**400**	**0.2 - 4**	**24 - 12**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	-	-	-
400	-	-	-
-	-	-	-
-	-	-	-
24 / 2.5	- / -	- / -	-
4	-	-	-
24 - 12	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 2.5	0.25 - 2.5 0.5
10			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
DTI 2,5-L		**3034617**	50
D-DTI/3		**3034730**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
ATP-STI/3		**3030857**	10
NLS-CU 3/10 SN 1000MM	140 A	**0402174**	10
PS-5		**3030983**	10
SZF 1-0,6X3,5		**1204517**	10
WST 2,5		**3030941**	50
UC-TM 5 (see page 479)			
UC-TMF 5 (see page 482)			
ZB 5 (see page 487)			
ZBF 5 (see page 492)			

Width	Length	Height NS 35/7,5	
5.2	**99.5**	**50.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
32[1])	**400**	**0.2 - 4**	**24 - 12**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	-	-	-
400	-	-	-
-	-	-	-
-	-	-	-
24 / 2.5	- / -	- / -	-
4	-	-	-
24 - 12	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 2.5	0.25 - 2.5 0.5
10			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
DTI 2,5-L/L		**3034620**	50
D-DTI/3		**3034730**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
ATP-STI/3		**3030857**	10
NLS-CU 3/10 SN 1000MM	140 A	**0402174**	10
PS-5		**3030983**	10
SZF 1-0,6X3,5		**1204517**	10
WST 2,5		**3030941**	50
UC-TM 5 (see page 479)			
UC-TMF 5 (see page 482)			
ZB 5 (see page 487)			
ZBF 5 (see page 492)			

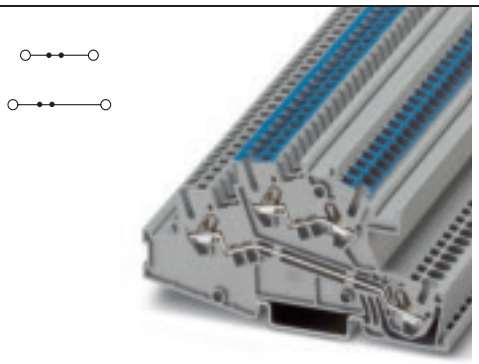
Multi-level installation terminal blocks DTI ...

The terminal block variants with individual circuit isolation correspond exactly to the safety requirements as per DIN VDE 0100-718.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

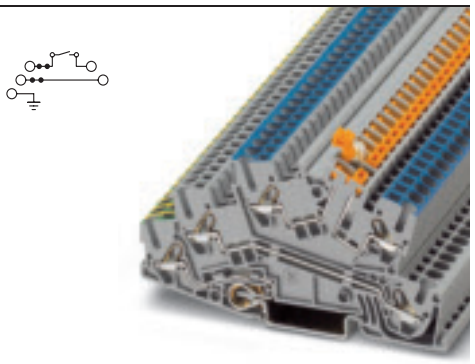
[1]) 3-pos. termination block. Multiple position termination block 28 A.

[2]) For a matching connector, see page 336.



DTI 2,5-L/N

1 x phase conductor L, 1 x N-conductor



DTI 2,5-PE/L/NTB

1 x phase conductor L, 1 x PE, 1 x N-conductor, divisible

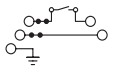
Dimensions		Width	Length	Height NS 35/7,5		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**99.5**	**50.5**		**5.2**	**99.5**	**50.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG	$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		32[1])	**250**	**0.2 - 4**	**24 - 12**	**32[1])**	**400**	**0.2 - 4**	**24 - 12**
		IEC 60947-7-1				IEC 60947-7-1 / IEC 60947-7-2			
Rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7	IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	250	-	-	-	400	-	-	-
Phase conductor / phase conductor	[V]	250	-	-	-	400	-	-	-
Phase conductor / PE	[V]	250	-	-	-	250	-	-	-
Phase conductor / N	[V]	-	-	-	-	250	-	-	-
Nominal current / cross-section	[A] / [mm²]	24 / 2.5	- / -	- / -	-	24 / 2.5	- / -	- / -	-
Rated cross-section	[mm²]	4	-	-	-	4	-	-	-
Cross-section range	AWG	24 - 12	-	-	-	24 - 12	-	-	-
Disconnect level rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7	IEC	UL / CUL	CSA	IEC/ EN 60079-7
Nominal current / cross-section	[A] / [mm²]	- / -	- / -	- / -	-	16 / 1.5	- / -	- / -	-
Connection capacity		Solid	Stranded	Ferrule		Solid	Stranded	Ferrule	
				without / with plastic sleeve				without / with plastic sleeve	
One conductor	[mm²]	0.2 - 4	0.2 - 4	0.25 - 2.5	0.25 - 2.5	0.2 - 4	0.2 - 4	0.25 - 2.5	0.25 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]				0.5				0.5
General data									
Stripping length	[mm]	10				10			
Insulating material		PA				PA			
Inflammability class acc. to UL 94		V0				V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		Gray	**DTI 2,5-L/N**		**3034633**	50	**DTI 2,5-PE/L/NTB**		**3034714**	50

Accessories

Cover, width 2.2 mm		Gray	**D-DTI/3**		**3034730**	50	**D-DTI/3B**		**3034743**	50
Plug-in bridge for cross connections in the bridge shaft										
	2	Red	**FBS 2-5**	24 A	**3030161**	50	**FBS 2-5**	24 A	**3030161**	50
	3	Red	**FBS 3-5**	24 A	**3030174**	50	**FBS 3-5**	24 A	**3030174**	50
	4	Red	**FBS 4-5**	24 A	**3030187**	50	**FBS 4-5**	24 A	**3030187**	50
	5	Red	**FBS 5-5**	24 A	**3030190**	50	**FBS 5-5**	24 A	**3030190**	50
	10	Red	**FBS 10-5**	24 A	**3030213**	10	**FBS 10-5**	24 A	**3030213**	10
	20	Red	**FBS 20-5**	24 A	**3030226**	10	**FBS 20-5**	24 A	**3030226**	10
Partition plate, for visual and electrical separation of terminal groups, 2 mm thick		Gray	**ATP-STI/3**		**3030857**	10				
PEN conductor busbar, 3 x 10 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A		Silver	**NLS-CU 3/10 SN 1000MM**	140 A	**0402174**	10				
Connection terminal block, steel, is pushed onto the NLS neutral busbar, can be labeled using ZB, with insulating cap, solid up to 16 mm², 10 mm wide		Blue	**AKG 16 BU**		**0423014**	50				
Up to 35 mm² solid, 14.4 mm wide		Blue	**AKG 35 BU**		**0424013**	50				
Modular test plug, for the individual assembly of test plug strips		Red	**PS-5**		**3030983**	10	**PS-5**		**3030983**	10
Support, to hold the neutral busbar, set every 20 cm, 2 mm wide		Gray	**AB-DTI/3**		**3034756**	50				
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10	**SZF 1-0,6X3,5**		**1204517**	10
Warning cover, for actuation shafts, 5-pos.		Yellow	**WST 2,5**		**3030941**	50	**WST 2,5**		**3030941**	50
UniCard sheet, for labeling the center groove			**UC-TM 5 (see page 479)**				**UC-TM 5 (see page 479)**			
UniCard sheet, flat, for labeling the center and lateral grooves			**UC-TMF 5 (see page 482)**				**UC-TMF 5 (see page 482)**			
Zack markers, for labeling the center groove			**ZB 5 (see page 487)**				**ZB 5 (see page 487)**			
Zack marker strip, flat, for labeling the center and lateral grooves			**ZBF 5 (see page 492)**				**ZBF 5 (see page 492)**			



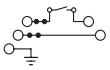


DTI 2,5-PE/L/LTB

1 x phase conductor L, 1 x PE, 1 x phase conductor L, can be isolated

Width	Length	Height NS 35/7,5	
5.2	**99.5**	**50.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
32[1])	**400**	**0.2 - 4**	**24 - 12**
IEC 60947-7-1 / IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	-	-	-
400	-	-	-
250	-	-	-
250	-	-	-
24 / 2.5	- / -	- / -	-
4	-	-	-
24 - 12	-	-	-
IEC	UL / CUL	CSA	IEC/ EN 60079-7
16 / 1.5	- / -	- / -	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 2.5	0.25 - 2.5 0.5
10			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
DTI 2,5-PE/L/LTB		**3034727**	50
D-DTI/3B		**3034743**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
PS-5		**3030983**	10
SZF 1-0,6X3,5		**1204517**	10
WST 2,5		**3030941**	50
UC-TM 5 (see page 479)			
UC-TMF 5 (see page 482)			
ZB 5 (see page 487)			
ZBF 5 (see page 492)			



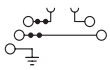


DTI 2,5-PE/L/LB

2 x phase conductor L, 1 x PE

Width	Length	Height NS 35/7,5	
5.2	**99.5**	**50.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
32[1])	**400**	**0.2 - 4**	**24 - 12**
IEC 60947-7-1 / IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	-	-	-
400	-	-	-
250	-	-	-
-	-	-	-
24 / 2.5	- / -	- / -	-
4	-	-	-
24 - 12	-	-	-
IEC	UL / CUL	CSA	IEC/ EN 60079-7
16 / 1.5	- / -	- / -	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 2.5	0.25 - 2.5 0.5
10			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
DTI 2,5-PE/L/LB		**3034769**	50
D-DTI/3B		**3034743**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
PS-5		**3030983**	10
SZF 1-0,6X3,5		**1204517**	10
WST 2,5		**3030941**	50
UC-TM 5 (see page 479)			
UC-TMF 5 (see page 482)			
ZB 5 (see page 487)			
ZBF 5 (see page 492)			





DTI 2,5-PE/L/TG

1 x phase conductor L, 1 x PE, 1 x phase conductor L can be equipped with function modules[2])

Width	Length	Height NS 35/7,5	
5.2	**99.5**	**50.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
32[1])	**400**	**0.2 - 4**	**24 - 12**
IEC 60947-7-1 / IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	-	-	-
400	-	-	-
250	-	-	-
-	-	-	-
24 / 2.5	- / -	- / -	-
4	-	-	-
24 - 12	-	-	-
IEC	UL / CUL	CSA	IEC/ EN 60079-7
16 / 1.5	- / -	- / -	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 2.5	0.25 - 2.5 0.5
10			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
DTI 2,5-PE/L/TG		**3034675**	50
D-DTI/3B		**3034743**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
PS-5		**3030983**	10
SZF 1-0,6X3,5		**1204517**	10
WST 2,5		**3030941**	50
UC-TM 5 (see page 479)			
UC-TMF 5 (see page 482)			
ZB 5 (see page 487)			
ZBF 5 (see page 492)			

Fuse terminal blocks
DT 6/2,5-DREHSI...



The fuse terminal block DT 6/2,5-DREHSI with direct connection technology provides a 6 mm² connection on the power input side and two 2.5 mm² connections on the output side. The standardized 5 x 20 mm fine fuses are accommodated with the help of the screw cap.

The double bridge shaft allows almost all potential distribution tasks to be realized.

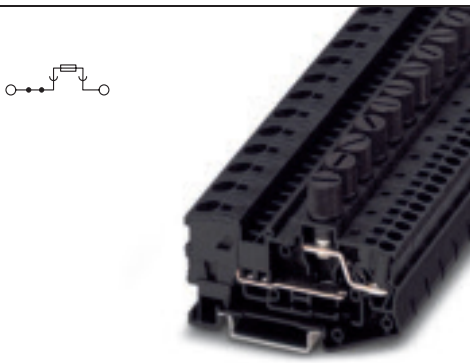
This fuse terminal block is also available with a light indicator for signaling a tripped fuse. Simple feed in with all standard terminal blocks is possible.

For further technical notes on power dissipation, refer to page 729.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) If the fuse is faulty, the downstream circuit is not off load.

[2]) The reducing bridge table should be followed, see page 332.



DT 6/2,5-DREHSI (5 x 20)

For G fuse inserts 5 x 20 mm

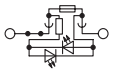
Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		12.2	**71.5**	**51.3**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²] / AWG
		10	**500**	**0.5 - 10** / **20 - 8**
Rated data, power input		IEC 60947-7-3 / IEC	UL / CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	500	600	- / -
Nominal current / cross-section	[A] / [mm²]	10 / 1.5	10 / -	- / - / - / -
Rated cross-section	[mm²]	2.5	-	- / -
Cross-section range	AWG	20 - 8	20-8	- / -
Supply connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve
One conductor	[mm²]	0.5 - 10	0.5 - 6	0.5 - 6 / 0.5 - 6
Two stranded conductors with a TWIN ferrule	[mm²]			/ 0.5 - 1.5
Rated data, output side		IEC	UL / CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	500	600	- / -
Nominal current / cross-section	[A] / [mm²]	10 / 1.5	10 / -	- / - / - / -
Rated cross-section	[mm²]	2.5	-	- / -
Cross-section range	AWG	24 - 12	24-12	- / -
Connection capacity, output side		Solid	Stranded	Ferrule without / with plastic sleeve
One conductor	[mm²]	0.2 - 4	0.2 - 2.5	0.25 - 2.5 / 0.25 - 2.5
Two conductors with a TWIN ferrule	[mm²]			/ 0.5
General data				
Stripping length	[mm]	12 / 10		
Insulating material		PA		
Inflammability class acc. to UL 94		V0		

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Fuse terminal block, for mounting on NS 35..., for cartridge fuse inserts 5 x 20 mm		Black	**DT 6/2,5-DREHSI (5X20)**		**3034248**	25
Fuse terminal block, for mounting on NS 35..., for G fuse inserts, 5 x 20 mm, with light indicator for 12-30 V AC/DC, 1-2.5 mA[1])		Black				
With light indicator for 110-250 V DC, 0.4-1.2 mA		Black				

Accessories

Plug-in bridge for cross connections in the bridge shaft						
	2	Red	**FBS 2-6**	24 A	**3030336**	50
	3	Red	**FBS 3-6**	24 A	**3030242**	50
	4	Red	**FBS 4-6**	24 A	**3030255**	50
	5	Red	**FBS 5-6**	24 A	**3030349**	50
	10	Red	**FBS 10-6**	24 A	**3030271**	10
	20	Red	**FBS 20-6**	24 A	**3030365**	10
Reducing bridge, for connecting from ST to ST terminals[2])						
	2	Red	**RB ST (2,5/4)-1,5**		**3038943**	10
Modular test plug, for the individual assembly of test plug strips		Red	**PS-6**		**3030996**	10
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10
UniCard sheet, for labeling the center groove			**UC-TM 10 (see page 480)**			
UniCard sheet, flat, for labeling the center and lateral grooves			**UC-TMF 12 (see page 484)**			
Zack markers, for labeling the center groove			**ZB 10 (see page 489)**			
Zack marker strip, flat, for labeling the center and lateral grooves			**ZBF 12 (see page 494)**			



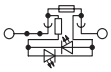


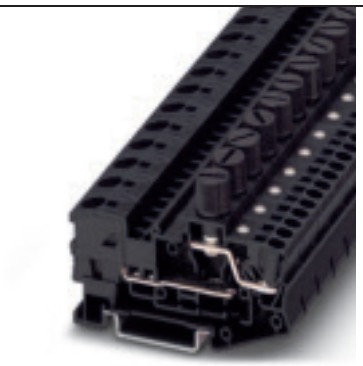
DT 6/2,5-DREHSILED 24 (5 x 20)

For G fuse inserts 5 x 20 mm

Width	Length	Height NS 35/7,5	
12.2	**71.5**	**51.3**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
10	**500**	**0.5 - 10**	**20 - 8**
IEC 60947-7-3			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	600	-	-
10 / 1.5	10 / -	- / -	- / -
2.5	-	-	-
20 - 8	20-8	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6 0.5 - 1.5
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	600	-	-
10 / 1.5	10 / -	- / -	- / -
2.5	-	-	-
24 - 12	24-12	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5 0.5
12 / 10			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
DT 6/2,5-DREHSILED 24 (5X20)		**3034251**	25
FBS 2-6	24 A	**3030336**	50
FBS 3-6	24 A	**3030242**	50
FBS 4-6	24 A	**3030255**	50
FBS 5-6	24 A	**3030349**	50
FBS 10-6	24 A	**3030271**	10
FBS 20-6	24 A	**3030365**	10
RB ST (2,5/4)-1,5		**3038943**	10
PS-6		**3030996**	10
SZF 1-0,6X3,5		**1204517**	10
UC-TM 10 (see page 480)			
UC-TMF 12 (see page 484)			
ZB 10 (see page 489)			
ZBF 12 (see page 494)			





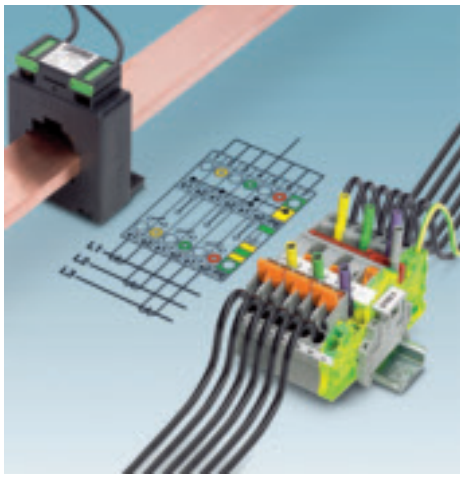
DT 6/2,5-DREHSILA 250 (5 x 20)

For G fuse inserts 5 x 20 mm

Width	Length	Height NS 35/7,5	
12.2	**71.5**	**51.3**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
10	**500**	**0.5 - 10**	**20 - 8**
IEC 60947-7-3			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	600	-	-
10 / 1.5	10 / -	- / -	- / -
2.5	-	-	-
20 - 8	20-8	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6 0.5 - 1.5
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	600	-	-
10 / 1.5	10 / -	- / -	- / -
2.5	-	-	-
24 - 12	24-12	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5 0.5
12 / 10			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
DT 6/2,5-DREHSILA 250 (5X20)		**3034264**	25
FBS 2-6	24 A	**3030336**	50
FBS 3-6	24 A	**3030242**	50
FBS 4-6	24 A	**3030255**	50
FBS 5-6	24 A	**3030349**	50
FBS 10-6	24 A	**3030271**	10
FBS 20-6	24 A	**3030365**	10
RB ST (2,5/4)-1,5		**3038943**	10
PS-6		**3030996**	10
SZF 1-0,6X3,5		**1204517**	10
UC-TM 10 (see page 480)			
UC-TMF 12 (see page 484)			
ZB 10 (see page 489)			
ZBF 12 (see page 494)			

Test disconnect terminal blocks
DTME 6 ...

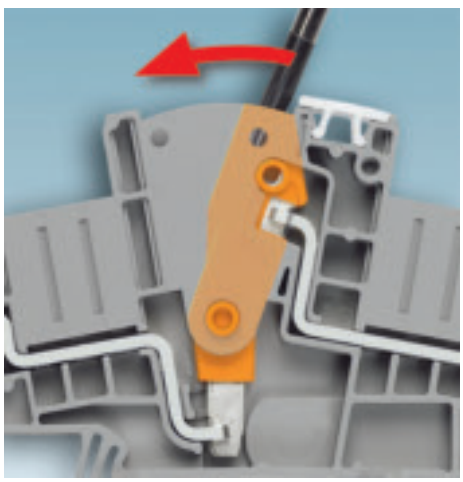


The new generation of compact DTME 6 measuring transducer disconnect terminal blocks with push-in connection technology is characterized by easy operation and clarity. All switching statuses can be detected clearly at first glance. Thanks to the extensive range of flexible accessories, costs and time are saved when executing all transducer test circuit tasks.



Only two DTME 6 measuring transducer disconnect terminal blocks are required for a current transformer measuring circuit. This means that less space is required compared with a circuit design using slide-type terminal blocks.

① FBS... plug-in bridge for cross connection
② 4 mm Ø PAI-4-FIX... test plug adapter
③ S-ME 6 switching lock
④ SB-ME... switch bar
⑤ C-ME 6/2 connection bridge



The longitudinal isolating switch contacts and snaps in safely in the relevant switching status. Imprinted switching symbols ensure clarity. The optional switching lock snaps in and effectively prevents accidental switching. For simultaneous actuation, two switches can be connected to each other using a connection bridge.



The SB-ME 6... switch bars can be placed on both sides of the disconnect point in the bridge shaft and can be securely snapped in irrespectively of the terminal strip configuration. The bridge for the transformer short-circuit can be securely engaged in the end positions and screw terminal points are used to make contact.

Current carrying capacity of DIN rails, see page 728.
For suitable terminal strip covers, see page 702.
For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.
[1]) For more test plugs, see page 335.

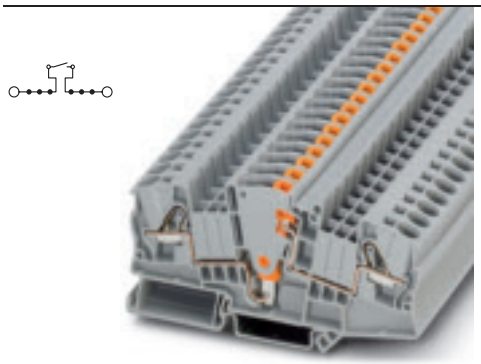
Dimensions	
	[mm]
Max. electrical data	
Rated data	
Rated voltage	[V]
Nominal current / cross-section	[A] / [mm²]
Rated cross-section	[mm²]
Cross-section range	AWG
Connection capacity	
One conductor	[mm²]
Two stranded conductors with a TWIN ferrule	[mm²]
General data	
Stripping length	[mm]
Insulating material	
Inflammability class acc. to UL 94	

Ordering data

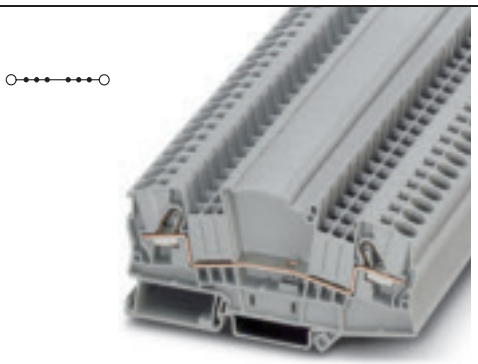
Description	No. of pos.	Color
Measuring transducer disconnect terminal block, for mounting on NS 35		Gray
Feed-through terminal block, for mounting on NS 35...		Gray
Ground terminal block, for mounting on NS 35		Green-yellow

Accessories

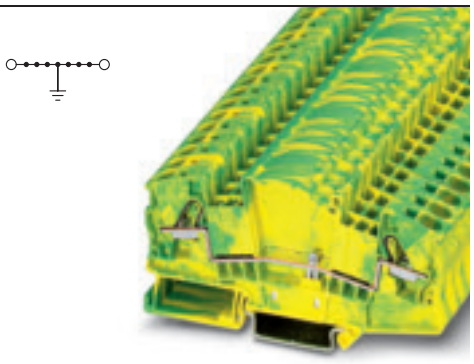
Cover, width 2.2 mm		Gray
Switching jumper, pluggable, 2-pos.		
2-pos.		Gray/orange
3-pos.		Gray/orange
4-pos.		Gray/orange
Plug-in bridge for cross connections in the bridge shaft		
	2	Red
	3	Red
	4	Red
	5	Red
	10	Red
Preassembled bridge, labeled		
3-pos., positions 1, 3	2	Red
4-pos., positions 1, 4	2	Red
5-pos., positions 1, 3, 5	3	Red
10-pos., positions 1, 4, 7, 10	3	Red
Switching lock, pluggable		White
Connection bridge, for connecting two measuring transducer disconnect terminal blocks 3-pos.		Orange
Test adapter, for 4 mm Ø safety test plug, snapped into bridge shaft[1])		Orange
		Yellow
		Green
		Violet
Partition plate, with storage option for switching jumpers		Gray
Screwdriver		
UniCard sheet, for labeling the center groove		
UniCard sheet, flat, for labeling the center and lateral grooves		
Zack markers, for labeling the center groove		
Zack marker strip, flat, for labeling the center and lateral grooves		



DTME 6



DTMED 6



DTMED 6-PE

Width	Length	Height NS 35/7,5	
8.2	**100.8**	**49.6**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
30	**500**	**0.5 - 10**	**20 - 8**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	600	-	-
30 / 6	30 / -	- / -	-
6	-	-	-
20 - 8	24-8	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6 0.5 - 1.5
12			
PA			
V0			

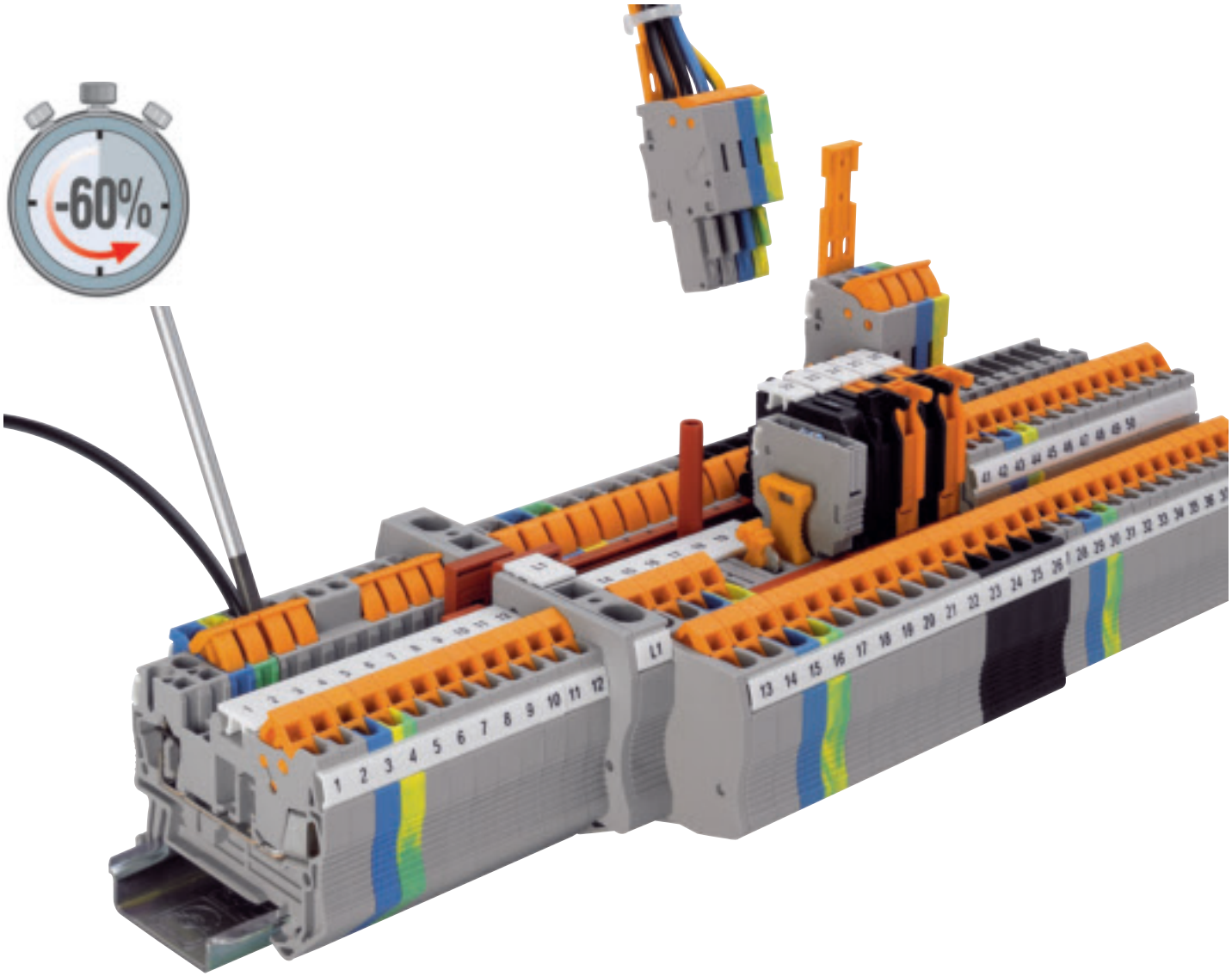
Type	I_{max}	Order No.	Pcs. / Pkt.
DTME 6		**3034400**	50
D-DTME 6		**3034426**	10
SB-ME 2-8	30 A	**3034468**	10
SB-ME 3-8	30 A	**3032800**	10
SB-ME 4-8	30 A	**3034484**	10
FBS 2-8	41 A	**3030284**	10
FBS 3-8	41 A	**3030297**	10
FBS 4-8	41 A	**3030307**	10
FBS 5-8	41 A	**3030310**	10
FBS 10-8	41 A	**3030323**	10
FBS 1/3-8	41 A	**3032363**	10
FBS 1/4-8	41 A	**3032376**	10
FBS 1/3/5-8	41 A	**3032389**	10
FBS 1/4/7/10-8	41 A	**3032402**	10
S-ME 6		**3034439**	10
C-ME 6/2		**3034442**	10
C-ME 6/3		**3034390**	50
PAI-4-FIX OG		**3034455**	10
PAI-4-FIX YE		**3032745**	10
PAI-4-FIX GN		**3032758**	10
PAI-4-FIX VT		**3032761**	10
CARRIER 35-8		**3034387**	10
SZF 2-0,8X4,0		**1204520**	10
UC-TM 8 (see page 479)			
UC-TMF 8 (see page 483)			
ZB 8 (see page 489)			
ZBF 8 (see page 493)			

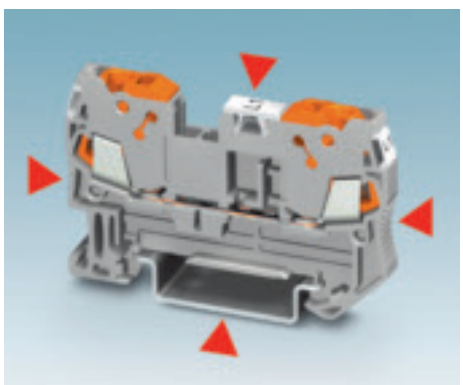
Width	Length	Height NS 35/7,5	
8.2	**100.8**	**49.6**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
30	**500**	**0.5 - 10**	**20 - 8**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	600	-	-
30 / 6	30 / -	- / -	-
6	-	-	-
20 - 8	24-8	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6 0.5 - 1.5
12			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
DTMED 6		**3034413**	50
D-DTME 6		**3034426**	10
SB-ME 2-8	30 A	**3034468**	10
SB-ME 3-8	30 A	**3032800**	10
SB-ME 4-8	30 A	**3034484**	10
FBS 2-8	41 A	**3030284**	10
FBS 3-8	41 A	**3030297**	10
FBS 4-8	41 A	**3030307**	10
FBS 5-8	41 A	**3030310**	10
FBS 10-8	41 A	**3030323**	10
FBS 1/3-8	41 A	**3032363**	10
FBS 1/4-8	41 A	**3032376**	10
FBS 1/3/5-8	41 A	**3032389**	10
FBS 1/4/7/10-8	41 A	**3032402**	10
PAI-4-FIX OG		**3034455**	10
PAI-4-FIX YE		**3032745**	10
PAI-4-FIX GN		**3032758**	10
PAI-4-FIX VT		**3032761**	10
CARRIER 35-8		**3034387**	10
SZF 2-0,8X4,0		**1204520**	10
UC-TM 8 (see page 479)			
UC-TMF 8 (see page 483)			
ZB 8 (see page 489)			
ZBF 8 (see page 493)			

Width	Length	Height NS 35/7,5	
8.2	**100.8**	**49.6**	
		Max. Ø [mm²]	AWG
		0.5 - 10	**20 - 8**
IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	-
6	-	-	-
20 - 8	24-8	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6 0.5 - 1.5
12			
PA			
V0			

Type	Order No.	Pcs. / Pkt.
DTMED 6-PE	**3034497**	50
D-DTME 6	**3034426**	10
FBS 2-8	**3030284**	10
FBS 3-8	**3030297**	10
FBS 4-8	**3030307**	10
FBS 5-8	**3030310**	10
FBS 10-8	**3030323**	10
FBS 1/3-8	**3032363**	10
FBS 1/4-8	**3032376**	10
FBS 1/3/5-8	**3032389**	10
FBS 1/4/7/10-8	**3032402**	10
PAI-4-FIX OG	**3034455**	10
PAI-4-FIX YE	**3032745**	10
PAI-4-FIX GN	**3032758**	10
PAI-4-FIX VT	**3032761**	10
CARRIER 35-8	**3034387**	10
SZF 2-0,8X4,0	**1204520**	10
UC-TM 8 (see page 479)		
UC-TMF 8 (see page 483)		
ZB 8 (see page 489)		
ZBF 8 (see page 493)		

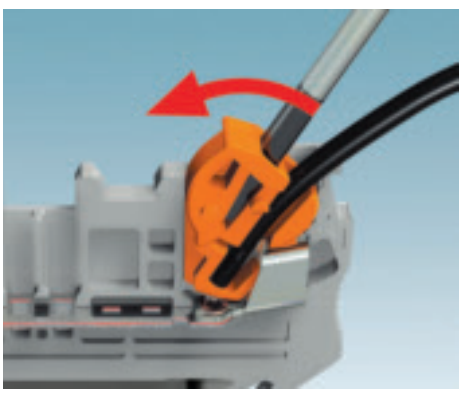




Space-saving design

The QUICKON QT series is characterized by the IDC connection. This allows the user to save space without restricting the quality features

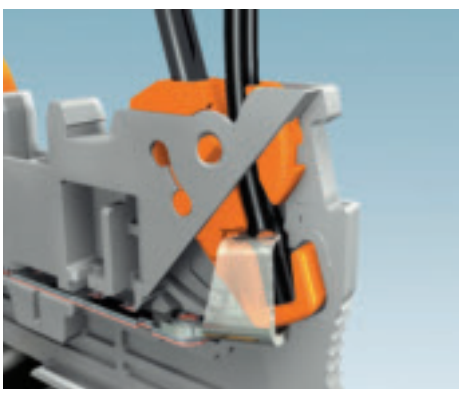
– Large-surface marking
– Maximum connection space
– Flexible plug-in bridge system



Strip - Connect - Ready!

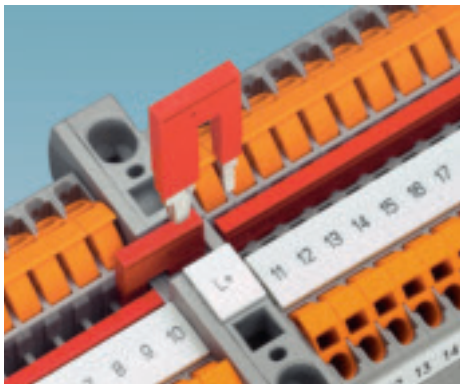
Time savings of 60% and more compared to other connection methods.

Stripping and fitting splicing protection is no longer necessary thanks to the QUICKON fast connection technology. All that is needed is to cut the conductors to the correct length and they can then be contacted within seconds.

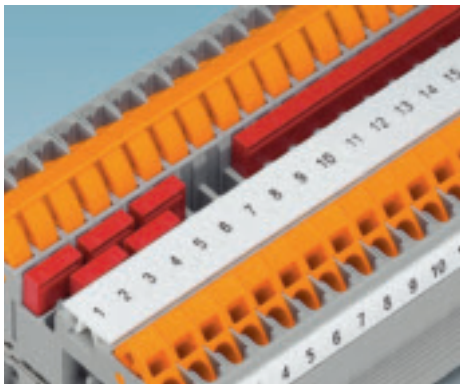


A powerful insulation displacement contact

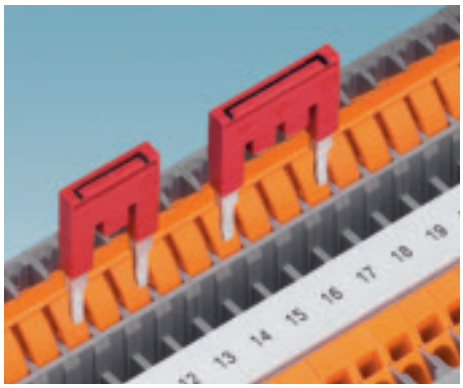
Conductors of 0.25 to 2.5 mm^2 are connected using the patented insulation displacement contact. High-grade special alloys and snap-fittings of the switching statuses always ensure a safe electrical connection. Large-surface, spring-loaded contact points guarantee a current carrying capacity of 24 A.



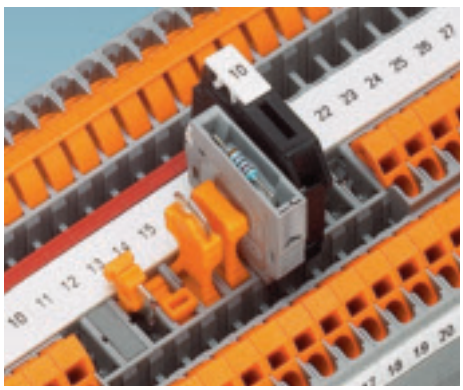
The reducing bridge allows a time and cost-saving potential distribution when supplying large cross-sections. The reducing bridge connects, for instance, an ST 10 with a QTC 1,5 or QTC 2,5 terminal block.



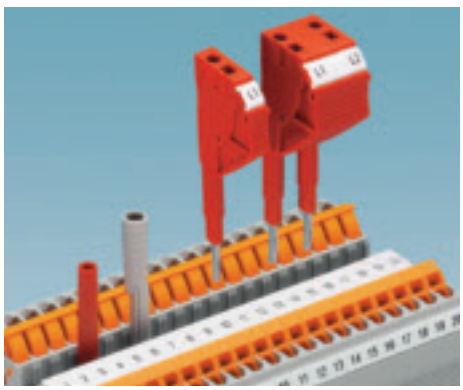
With the double bridge shaft, any number of terminal blocks can be connected with one another using two-pos. bridges. The 2 to 50 pos. bridges permit bridging of up to 50 terminal blocks in one step.



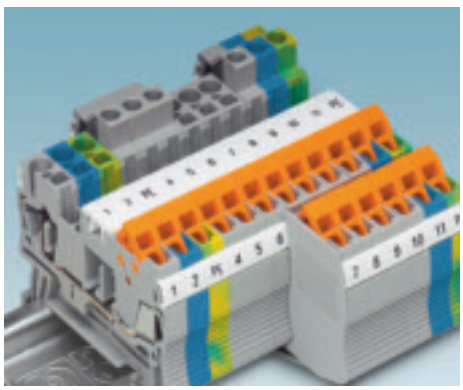
Non-adjacent terminals can be bridged by breaking off individual teeth from the standard bridge. In this way, two potentials can be routed in parallel. The bridge can be marked on its top.



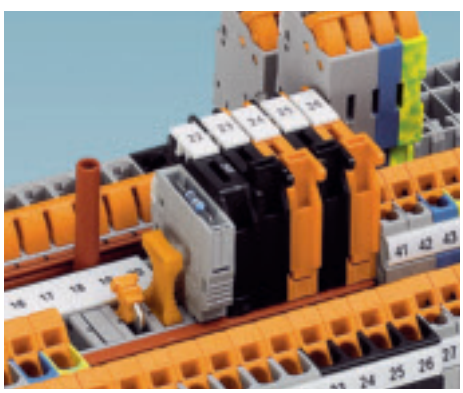
The P-FIX insulated through connectors, P-DI isolating connectors, P-CO component connectors and P-FU cartridge fuse connectors can be used in the universal plug-in zone of the disconnect terminal block.



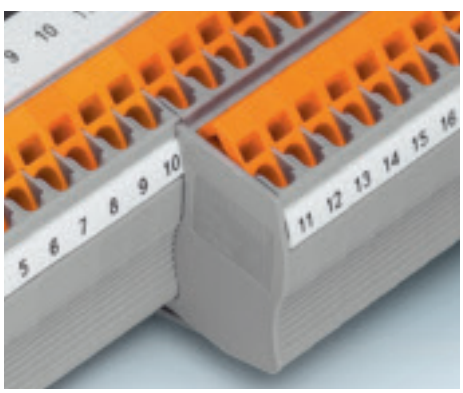
A 2.3 mm Ø test plug is available for measuring lines. All the measurement and testing tasks can be completed faster using test adapters for 4 mm Ø test plugs and the modular test plugs.



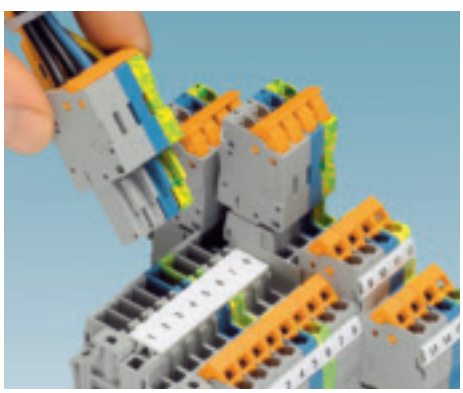
The hybrid versions combine the time-saving fast connection method on the one hand and the advantages of screw or spring-cage technology on the other.



Lever-type fuse terminal blocks suitable for the function terminal blocks are also available. The captive fuse holders can be used with fine fuses in a black housing or with a contact metal in an orange housing.



End cover segments cover protruding terminal block segments of three and four-conductor terminal blocks when two-conductor terminal blocks are aligned. This ensures that they are touch proof.



QT-COMBI basic terminal blocks and connectors with fast connection are available for pluggable configuration of signal wiring with fast connection. See chapter "COMBI", page 238.

Feed-through terminal blocks QTC ...

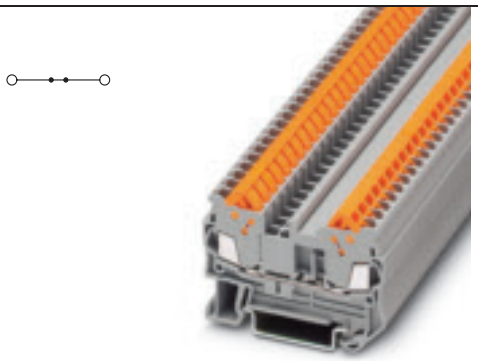
QUICKON QT feed-through terminal blocks are characterized by their compact design.

The double bridge shaft not only allows individual chain bridging, but also step-down bridging, e.g. from the standard spring-cage or screw terminal blocks.

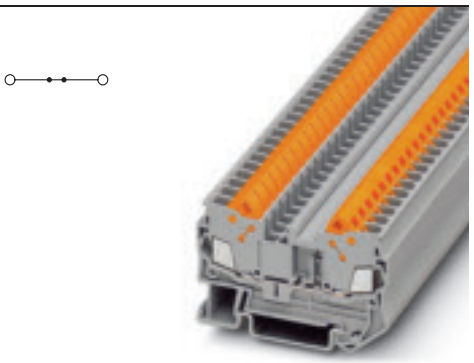
For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) The max. load current must not be exceeded by the total current of all connected conductors.

[2]) For information on installation for using accessories for Ex e applications, see page 720.



QTC 1,5 ...



QTC 2,5 ...

Ex: KEMA 03ATEX2557U / IECEx KEM 07.0015U

Ex: KEMA 05ATEX2148 U / IECEx KEM 07.0010U

Dimensions		Width	Length	Height NS 35/7,5		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**58.8**	**39.3**		**6.2**	**62.6**	**39.3**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG	$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		17.5	**800**	**0.25 - 1.5**	**24 - 16**	**24**	**800**	**0.5 - 2.5**	**20 - 14**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7	IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	800	600	600	550	800	600	600	550
Nominal current / cross-section	[A] / [mm²]	17.5 / 1.5	10 / -	10 / -	16 / 1.5 // 16 / 1.5	24 / 2.5	15 / -	15 / -	22.5 / 2.5 // 22.5 / 2.5
Rated cross-section	[mm²]	1.5	-	-	1.5	2.5	-	-	2.5
Cross-section range	AWG	24 - 16	24-16	24-16	24 - 16	20 - 14	20-14	20-14	20 - 14
Connection cross-section in acc. with DIN VDE 0295									
H05V(Z) / H07V(Z)	[mm²]	0.5 - 1.5				0.5 - 2.5			
Class 5 / class 6 [litz wires Ø ≥ 0.1 mm]	[mm²]	0.25 - 0.34				-			
[Litz wires Ø ≥ 0.19 mm]	AWG	24 - 16				20 - 14			
Frequency of connections with the same cross-section		100				100			
General data									
Insulating material		PA				PA			
Inflammability class acc. to UL 94		V0				V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		Gray	**QTC 1,5**		**3205019**	50	**QTC 2,5**		**3206416**	50
		Blue	**QTC 1,5 BU**		**3205022**	50	**QTC 2,5 BU**		**3206429**	50

Accessories[2])

Cover, width 2.2 mm		Gray	**D-QTC 1,5**		**3205161**	50	**D-QTC 2,5**		**3206568**	50
End cover segment, for covering multi-conductor terminal blocks when two-conductor terminal blocks are aligned		Gray								
Plug-in bridge for cross connections in the bridge shaft										
	2	Red	**FBS 2-5**	24 A	**3030161**	50	**FBS 2-6**	32 A	**3030336**	50
	3	Red	**FBS 3-5**	24 A	**3030174**	50	**FBS 3-6**	32 A	**3030242**	50
	4	Red	**FBS 4-5**	24 A	**3030187**	50	**FBS 4-6**	32 A	**3030255**	50
	5	Red	**FBS 5-5**	24 A	**3030190**	50	**FBS 5-6**	32 A	**3030349**	50
	10	Red	**FBS 10-5**	24 A	**3030213**	10	**FBS 10-6**	32 A	**3030271**	10
	20	Red	**FBS 20-5**	24 A	**3030226**	10	**FBS 20-6**	32 A	**3030365**	10
Partition plate, for visual and electrical separation of terminal groups, 2 mm thick		Gray	**ATP-QTC**		**3206209**	50	**ATP-QTC**		**3206209**	50
Test adapter, for 4 mm Ø PS test plug and 4 mm safety test plug, makes contact in the bridge shaft		Gray	**PAI-4**		**3030925**	10	**PAI-4**		**3030925**	10
Test plug, consisting of: metal part for 2.3 mm Ø socket hole and			**MPS-MT**		**0201744**	10	**MPS-MT**		**0201744**	10
insulating sleeve for MPS metal part		Red	**MPS-IH RD**		**0201676**	10	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		Red	**PS-5**		**3030983**	10	**PS-6**		**3030996**	10
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10	**SZF 1-0,6X3,5**		**1204517**	10
Double marker carrier, snaps into all terminal blocks with a width of 5.2 mm and a zack marker strip center groove, can be labeled with ZB 5 or ZBF 5		Gray	**STP 5-2-ZB**		**3037643**	100	**STP 5-2-ZB**		**3037643**	100
UniCard sheet, for labeling the center groove			**UC-TM 5 (see page 479)**				**UC-TM 6 (see page 479)**			
UniCard sheet, for labeling the center and side grooves			**UC-TMF 5 (see page 482)**				**UC-TMF 6 (see page 483)**			
Zack markers, for labeling the center groove			**ZB 5 (see page 487)**				**ZB 6 (see page 487)**			
Zack marker strip, flat, for labeling the center and lateral grooves			**ZBF 5 (see page 492)**				**ZBF 6 (see page 493)**			



QTC 1,5-TWIN ...

Ex: KEMA

KEMA 03ATEX2557U / IECEx KEM 07.0015U

Width	Length	Height NS 35/7,5	
5.2	**76.4**	**39.3**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
17.5[1])	**800**	**0.25 - 1.5**	**24 - 16**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800	600	600	550
17.5 / 1.5	10 / -	10 / -	16 / 1.5 // 16 / 1.5
1.5	-	-	1.5
24 - 16	24-16	24-16	24 - 16

0.5 - 1.5
0.25 - 0.34
24 - 16
100

PA
V0

Type	I_{max}	Order No.	Pcs. / Pkt.
QTC 1,5-TWIN		**3205048**	50
QTC 1,5-TWIN BU		**3205051**	50
D-QTC 1,5-TWIN		**3205190**	50
DS-QTC 1,5		**3205200**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
ATP-QTC TWIN		**3206212**	50
PAI-4		**3030925**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
SZF 1-0,6X3,5		**1204517**	10
STP 5-2-ZB		**3037643**	100
UC-TM 5 (see page 479)			
UC-TMF 5 (see page 482)			
ZB 5 (see page 487)			
ZBF 5 (see page 492)			



QTC 2,5-TWIN ...

Ex: KEMA

KEMA 05ATEX2148 U / IECEx KEM 07.0010U

Width	Length	Height NS 35/7,5	
6.2	**82.5**	**42.8**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
24[1])	**800**	**0.5 - 2.5**	**20 - 14**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800	600	600	550
24 / 2.5	15 / -	15 / -	22.5 / 2.5 // 22.5 / 2.5
2.5	-	-	2.5
20 - 14	20-14	20-14	20 - 14

0.5 - 2.5
-
20 - 14
100

PA
V0

Type	I_{max}	Order No.	Pcs. / Pkt.
QTC 2,5-TWIN		**3206445**	50
QTC 2,5-TWIN BU		**3206461**	50
D-QTC 2,5-TWIN		**3206571**	50
DS-QTC 2,5		**3206607**	50
FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 10-6	32 A	**3030271**	10
FBS 20-6	32 A	**3030365**	10
ATP-QTC TWIN		**3206212**	50
PAI-4		**3030925**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
SZF 1-0,6X3,5		**1204517**	10
STP 5-2-ZB		**3037643**	100
UC-TM 6 (see page 479)			
UC-TMF 6 (see page 483)			
ZB 6 (see page 487)			
ZBF 6 (see page 493)			



QTC 1,5-QUATTRO ...

Ex: KEMA

KEMA 03ATEX2557U / IECEx KEM 07.0015U

Width	Length	Height NS 35/7,5	
5.2	**94**	**39.3**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
17.5[1])	**800**	**0.25 - 1.5**	**24 - 16**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800	600	600	550
17.5 / 1.5	10 / -	10 / -	16 / 1.5 // 16 / 1.5
1.5	-	-	1.5
24 - 16	24-16	24-16	24 - 16

0.5 - 1.5
0.25 - 0.34
24 - 16
100

PA
V0

Type	I_{max}	Order No.	Pcs. / Pkt.
QTC 1,5-QUATTRO		**3205077**	50
QTC 1,5-QUATTRO BU		**3205080**	50
D-QTC 1,5-QUATTRO		**3205174**	50
DS-QTC 1,5		**3205200**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
ATP-QTC QUATTRO		**3206225**	50
PAI-4		**3030925**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
SZF 1-0,6X3,5		**1204517**	10
STP 5-2-ZB		**3037643**	100
UC-TM 5 (see page 479)			
UC-TMF 5 (see page 482)			
ZB 5 (see page 487)			
ZBF 5 (see page 492)			

Ground terminal blocks QTC ...-PE

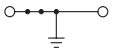
The ground terminal blocks, which have the same shape as the QT feed-through terminal blocks, round off the range.

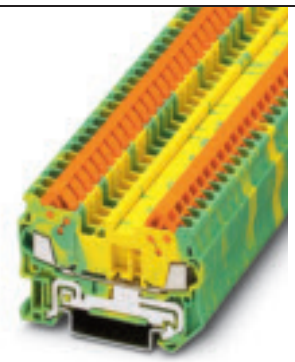
The ground terminal blocks fulfill all requirements of the standard IEC 60947-7-2.

Current carrying capacity of DIN rails, see page 728.

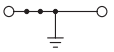
For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

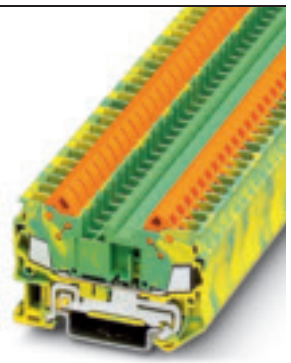
[1]) For information on installation for using accessories for Ex e applications, see page 720.





QTC 1,5-PE





QTC 2,5-PE

Ex: KEMA 03ATEX2557U / IECEx KEM 07.0015U

Ex: KEMA 05ATEX2148 U / IECEx KEM 07.0010U

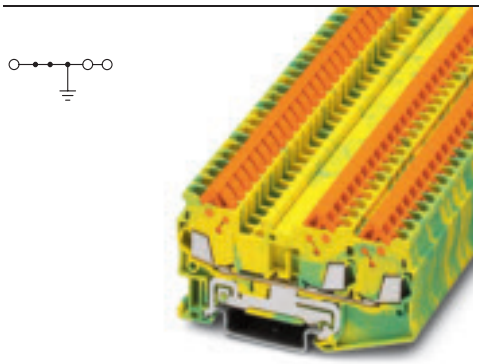
Dimensions		Width	Length	Height NS 35/7,5		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**58.8**	**39.3**		**6.2**	**62.6**	**39.3**	
Max. electrical data				Max. Ø [mm²]	AWG			Max. Ø [mm²]	AWG
				0.25 - 1.5	**24 - 16**			**0.5 - 2.5**	**20 - 14**
Rated data		IEC 60947-7-2 IEC	UL / CUL	CSA	IEC/ EN 60079-7	IEC 60947-7-2 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	-	-	-	-	-	-	-	-
Nominal current / cross-section	[A] / [mm²]	- / -	- / -	- / -	- / 1.5	- / -	- / -	- / -	- / 2.5
Rated cross-section	[mm²]	1.5	-	-	1.5	2.5	-	-	2.5
Cross-section range	AWG	24 - 16	24-16	24-16	24 - 16	20 - 14	20-14	20-14	20 - 14
Connection cross-section in acc. with DIN VDE 0295									
H05V(Z) / H07V(Z)	[mm²]	0.5 - 1.5				0.5 - 2.5			
Class 5 / class 6 [litz wires Ø Š 0.1 mm]	[mm²]	0.25 - 0.34				-			
[Litz wires Ø ≥ 0.19 mm]	AWG	24 - 16				20 - 14			
Frequency of connections with the same cross-section		100				100			
General data									
Insulating material		PA				PA			
Inflammability class acc. to UL 94		V0				V0			

Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Ground terminal block, for mounting on NS 35...		Green-yellow	**QTC 1,5-PE**	**3205035**	50	**QTC 2,5-PE**	**3206432**	50

Accessories[1])

Cover, width 2.2 mm		Gray	**D-QTC 1,5**	**3205161**	50	**D-QTC 2,5**	**3206568**	50
End cover segment, for covering multi-conductor terminal blocks when two-conductor terminal blocks are aligned		Gray						
Plug-in bridge for cross connections in the bridge shaft								
	2	Red	**FBS 2-5**	**3030161**	50	**FBS 2-6**	**3030336**	50
	3	Red	**FBS 3-5**	**3030174**	50	**FBS 3-6**	**3030242**	50
	4	Red	**FBS 4-5**	**3030187**	50	**FBS 4-6**	**3030255**	50
	5	Red	**FBS 5-5**	**3030190**	50	**FBS 5-6**	**3030349**	50
	10	Red	**FBS 10-5**	**3030213**	10	**FBS 10-6**	**3030271**	10
	20	Red	**FBS 20-5**	**3030226**	10	**FBS 20-6**	**3030365**	10
Partition plate, for visual and electrical separation of terminal groups, 2 mm thick		Gray	**ATP-QTC**	**3206209**	50	**ATP-QTC**	**3206209**	50
Test adapter, for 4 mm Ø PS test plug and 4 mm safety test plug, makes contact in the bridge shaft		Gray	**PAI-4**	**3030925**	10	**PAI-4**	**3030925**	10
Test plug, consisting of: metal part for 2.3 mm Ø socket hole and			**MPS-MT**	**0201744**	10	**MPS-MT**	**0201744**	10
insulating sleeve for MPS metal part		Red	**MPS-IH RD**	**0201676**	10	**MPS-IH RD**	**0201676**	10
Modular test plug, for the individual assembly of test plug strips		Red	**PS-5**	**3030983**	10	**PS-6**	**3030996**	10
Screwdriver			**SZF 1-0,6X3,5**	**1204517**	10	**SZF 1-0,6X3,5**	**1204517**	10
Double marker carrier, snaps into all terminal blocks with a width of 5.2 mm and a zack marker strip center groove, can be labeled with ZB 5 or ZBF 5		Gray	**STP 5-2-ZB**	**3037643**	100	**STP 5-2-ZB**	**3037643**	100
UniCard sheet, for labeling the center groove			**UC-TM 5 (see page 479)**			**UC-TM 6 (see page 479)**		
UniCard sheet, for labeling the center and side grooves			**UC-TMF 5 (see page 482)**			**UC-TMF 6 (see page 483)**		
Zack markers, for labeling the center groove			**ZB 5 (see page 487)**			**ZB 6 (see page 487)**		
Zack marker strip, flat, for labeling the center and lateral grooves			**ZBF 5 (see page 492)**			**ZBF 6 (see page 493)**		



QTC 1,5-TWIN-PE

Ex: KEMA
KEMA 03ATEX2557U / IECEx KEM 07.0015U

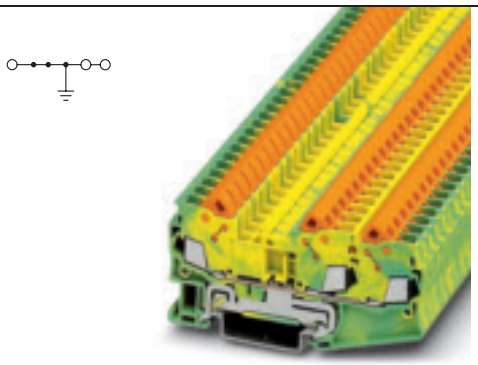
Width	Length	Height NS 35/7,5	
5.2	**76.4**	**39.3**	
		Max. Ø [mm²]	AWG
		0.25 - 1.5	**24 - 16**

IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	- / 1.5
1.5	-	-	1.5
24 - 16	24-16	24-16	24 - 16

0.5 - 1.5
0.25 - 0.34
24 - 16
100

PA
V0

Type	Order No.	Pcs. / Pkt.
QTC 1,5-TWIN-PE	**3205064**	50
D-QTC 1,5-TWIN	**3205190**	50
DS-QTC 1,5	**3205200**	50
FBS 2-5	**3030161**	50
FBS 3-5	**3030174**	50
FBS 4-5	**3030187**	50
FBS 5-5	**3030190**	50
FBS 10-5	**3030213**	10
FBS 20-5	**3030226**	10
ATP-QTC TWIN	**3206212**	50
PAI-4	**3030925**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-5	**3030983**	10
SZF 1-0,6X3,5	**1204517**	10
STP 5-2-ZB	**3037643**	100
UC-TM 5 (see page 479)		
UC-TMF 5 (see page 482)		
ZB 5 (see page 487)		
ZBF 5 (see page 492)		



QTC 2,5-TWIN-PE

Ex: KEMA
KEMA 05ATEX2148 U / IECEx KEM 07.0010U

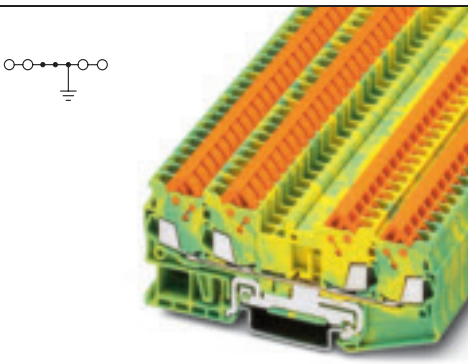
Width	Length	Height NS 35/7,5	
6.2	**82.5**	**42.8**	
		Max. Ø [mm²]	AWG
		0.5 - 2.5	**20 - 14**

IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	- / 2.5
2.5	-	-	2.5
20 - 14	20-14	20-14	20 - 14

0.5 - 2.5
-
20 - 14
100

PA
V0

Type	Order No.	Pcs. / Pkt.
QTC 2,5-TWIN-PE	**3206474**	50
D-QTC 2,5-TWIN	**3206571**	50
DS-QTC 2,5	**3206607**	50
FBS 2-6	**3030336**	50
FBS 3-6	**3030242**	50
FBS 4-6	**3030255**	50
FBS 5-6	**3030349**	50
FBS 10-6	**3030271**	10
FBS 20-6	**3030365**	10
ATP-QTC TWIN	**3206212**	50
PAI-4	**3030925**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-6	**3030996**	10
SZF 1-0,6X3,5	**1204517**	10
STP 5-2-ZB	**3037643**	100
UC-TM 6 (see page 479)		
UC-TMF 6 (see page 483)		
ZB 6 (see page 487)		
ZBF 6 (see page 493)		



QTC 1,5-QUATTRO-PE

Ex: KEMA
KEMA 03ATEX2557U / IECEx KEM 07.0015U

Width	Length	Height NS 35/7,5	
5.2	**94**	**39.3**	
		Max. Ø [mm²]	AWG
		0.25 - 1.5	**24 - 16**

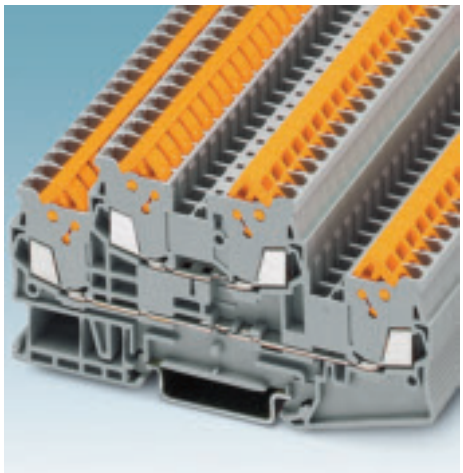
IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	- / 1.5
1.5	-	-	1.5
24 - 16	24-16	24-16	24 - 16

0.5 - 1.5
0.25 - 0.34
24 - 16
100

PA
V0

Type	Order No.	Pcs. / Pkt.
QTC 1,5-QUATTRO-PE	**3205093**	50
D-QTC 1,5-QUATTRO	**3205174**	50
DS-QTC 1,5	**3205200**	50
FBS 2-5	**3030161**	50
FBS 3-5	**3030174**	50
FBS 4-5	**3030187**	50
FBS 5-5	**3030190**	50
FBS 10-5	**3030213**	10
FBS 20-5	**3030226**	10
ATP-QTC QUATTRO	**3206225**	50
PAI-4	**3030925**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-5	**3030983**	10
SZF 1-0,6X3,5	**1204517**	10
STP 5-2-ZB	**3037643**	100
UC-TM 5 (see page 479)		
UC-TMF 5 (see page 482)		
ZB 5 (see page 487)		
ZBF 5 (see page 492)		

Multi-level terminal blocks QTTCB ...



The QUICKON double-level terminal blocks QTTCB 1,5 are characterized in particular by the compact design and the double bridge shaft per level. This feature allows simultaneous bridging and testing.

The clear and space-saving front connection of the QTTCB series offers additional space for wiring between the cable ducts.

In the case of the QTTCB 1,5-PV terminal block, both the levels are conductively interconnected. In the QTTCB 1,5-DIO/O-U diode terminal block, a diode is soldered in for connection of both the levels.

The QTTCB 1,5-PE ground terminal blocks fulfill all the requirements of the IEC 60947-7-2 standard.

Current carrying capacity of DIN rails, see page 728.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) The max. load current must not be exceeded by the total current of all connected conductors.

[2]) The max. current is determined by the diode. Integrated: diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 0.5 A

[3]) For information on installation for using accessories for Ex e applications, see page 720.



QTTCB 1,5 ...

Ex: KEMA 03ATEX2557U / IECEx KEM 07.0015U

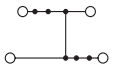
Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**99.6**	**49.9**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		17.5	**500**	**0.25 - 1.5**	**24 - 16**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	600	600	440
Nominal current / cross-section	[A] / [mm²]	17.5 / 1.5	10 / -	10 / -	15 / 1.5 // 15 / 1.5
Rated cross-section	[mm²]	1.5	-	-	1.5
Cross-section range	AWG	24 - 16	24-16	24-16	24 - 16
Connection cross-section in acc. with DIN VDE 0295					
H05V(Z) / H07V(Z)	[mm²]	0.5 - 1.5			
Class 5 / class 6 [litz wires Ø ≥ 0.1 mm]	[mm²]	0.25 - 0.34			
[Litz wires Ø ≥ 0.19 mm]	AWG	24 - 16			
Frequency of connections with the same cross-section		100			
General data					
Insulating material		PA			
Inflammability class acc. to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		Gray	**QTTCB 1,5**		**3205116**	50
		Blue	**QTTCB 1,5 BU**		**3205129**	50
Terminal block, with equipotential bonder, for mounting on NS 35...		Gray				
Terminal block, with integrated diode, conducting from top to bottom[2])		Gray				
Ground terminal block, for mounting on NS 35...		Green-yellow				

Accessories[3])

Cover, width 2.2 mm		Gray	**D-QTTCB 1,5**		**3205187**	50
Plug-in bridge for cross connections in the bridge shaft						
	2	Red	**FBS 2-5**	24 A	**3030161**	50
	3	Red	**FBS 3-5**	24 A	**3030174**	50
	4	Red	**FBS 4-5**	24 A	**3030187**	50
	5	Red	**FBS 5-5**	24 A	**3030190**	50
	10	Red	**FBS 10-5**	24 A	**3030213**	10
	20	Red	**FBS 20-5**	24 A	**3030226**	10
Vertical potential bridge, to connect the upper and lower level		Black	**FBS-PV**		**3032185**	50
Partition plate, for visual and electrical separation of terminal groups, 2 mm thick		Gray	**ATP-QTTCB**		**3206238**	50
Test adapter, for 4 mm Ø PS test plug and 4 mm safety test plug, makes contact in the bridge shaft		Gray	**PAI-4**		**3030925**	10
Test plug, consisting of: metal part for 2.3 mm Ø socket hole and			**MPS-MT**		**0201744**	10
insulating sleeve for MPS metal part		Red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		Red	**PS-5**		**3030983**	10
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10
Double marker carrier, snaps into double-level fast connection terminal blocks, QTTCB ... and QTTCBS, can be labeled with ZB 5 and ZBF 5		Gray	**STP 5-2/S**		**0800970**	100
UniCard sheet, for labeling the lateral groove			**UC-TMF 5 (see page 482)**			
Zack marker strip, flat, for labeling the lateral groove			**ZBF 5 (see page 492)**			





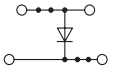
QTTCB 1,5-PV

Ex: KEMA

KEMA 03ATEX2557U / IECEx KEM 07.0015U

Width	Length	Height NS 35/7,5	
5.2	**99.6**	**49.9**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
17.5[1])	**500**	**0.25 - 1.5**	**24 - 16**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	600	600	440
17.5 / 1.5	10 / -	10 / -	15 / 1.5 // 15 / 1.5
1.5	-	-	1.5
24 - 16	24-16	24-16	24 - 16
0.5 - 1.5			
0.25 - 0.34			
24 - 16			
100			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
QTTCB 1,5-PV		**3205153**	50
D-QTTCB 1,5		**3205187**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
ATP-QTTCB		**3206238**	50
PAI-4		**3030925**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
SZF 1-0,6X3,5		**1204517**	10
STP 5-2/S		**0800970**	100
UC-TMF 5 (see page 482)			
ZBF 5 (see page 492)			



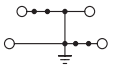


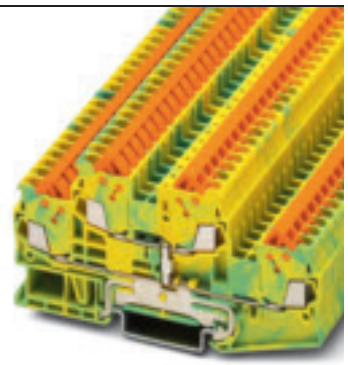
QTTCB 1,5-DIO/O-U

With integrated diode 1N 4007

Width	Length	Height NS 35/7,5	
5.2	**99.6**	**49.9**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
17.5[1])	**500**	**0.25 - 1.5**	**24 - 16**
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	600	600	-
17.5 / 1.5	10 / -	10 / -	-
1.5	-	-	-
24 - 16	24-16	24-16	-
0.5 - 1.5			
0.25 - 0.34			
24 - 16			
100			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
QTTCB 1,5-DIO/O-U		**3206241**	50
D-QTTCB 1,5		**3205187**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
ATP-QTTCB		**3206238**	50
PAI-4		**3030925**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
SZF 1-0,6X3,5		**1204517**	10
STP 5-2/S		**0800970**	100
UC-TMF 5 (see page 482)			
ZBF 5 (see page 492)			





QTTCB 1,5-PE

Ex: KEMA

KEMA 03ATEX2557U / IECEx KEM 07.0015U

Width	Length	Height NS 35/7,5	
5.2	**99.6**	**49.9**	
		Max. Ø [mm²]	AWG
		0.25 - 1.5	**24 - 16**
IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	- / 1.5
1.5	-	-	1.5
24 - 16	24-16	24-16	24 - 16
0.5 - 1.5			
0.25 - 0.34			
24 - 16			
100			
PA			
V0			

Type	Order No.	Pcs. / Pkt.
QTTCB 1,5-PE	**3205132**	50
D-QTTCB 1,5	**3205187**	50
FBS 2-5	**3030161**	50
FBS 3-5	**3030174**	50
FBS 4-5	**3030187**	50
FBS 5-5	**3030190**	50
FBS 10-5	**3030213**	10
FBS 20-5	**3030226**	10
ATP-QTTCB	**3206238**	50
PAI-4	**3030925**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-5	**3030983**	10
SZF 1-0,6X3,5	**1204517**	10
STP 5-2/S	**0800970**	100
UC-TMF 5 (see page 482)		
ZBF 5 (see page 492)		

Lever-type fuse terminal blocks
QTC...



The QTC lever-type fuse terminal block performs two main tasks in electrical connection technology. Firstly, with its captive lever, it acts as a carrier for fuses for 5 x 20 mm cartridge fuse inserts, and secondly, with the double bridge shaft, it takes on all tasks of potential distribution. This has the advantage of a time-saving potential infeed and a correct, functional configuration of the terminal strip.

For signaling a triggered fuse, fuse terminal blocks with light indicators are available. These can be used for AC and DC voltage.

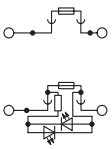
For further technical notes on power dissipation, refer to page 729.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) If the fuse is faulty, the downstream circuit is not off load.

[2]) For max. power dissipation, see page 729.

[3]) The current is determined by the fuse used, the voltage by the light indicator.





QTC 2,5-HESI ... (5 x 20)

For G fuse inserts 5 x 20 mm

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**6.2**	**82.5**	**64.9**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		6.3[2])	**500[3])**	**0.5 - 2.5**	**20 - 14**
Rated data		IEC 60947-7-3 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500[3])	300	300	-
Nominal current / cross-section	[A] / [mm²]	6.3[3]) / 1.5	15 / -	10 / -	-
Rated cross-section	[mm²]	2.5	-	-	-
Cross-section range	AWG	20 - 14	20-14	20-14	-
Connection cross-section in acc. with DIN VDE 0295					
H05V(Z) / H07V(Z)	[mm²]	0.5 - 2.5			
Class 5 / class 6 [litz wires Ø ≥ 0.1 mm]	[mm²]	-			
[Litz wires Ø ≥ 0.19 mm]	AWG	20 - 14			
Frequency of connections with the same cross-section		100			
General data					
Insulating material		PA			
Inflammability class acc. to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Fuse terminal block, for mounting on NS 35..., for cartridge fuse inserts 5 x 20 mm[1])		Black	**QTC 2,5-HESI (5X20)**		**3050293**	50
With light indicator for 12-30 V AC/DC, 1-3 mA		Black	**QTC 2,5-HESILED 24 (5X20)**		**3050374**	50
With light indicator for 30-60 V AC/DC, 0.95-2.5 mA		Black	**QTC 2,5 HESILED 60 (5X20)**		**3050390**	50
With light indicator for 110-250 V AC/DC, 0.1-0.5 mA		Black	**QTC 2,5-HESILA 250 (5X20)**		**3050387**	50

Accessories

Cover, width 2.2 mm		Gray	**D-QTC 2,5-TWIN**		**3206571**	50
End cover segment, for covering multi-conductor terminal blocks when two-conductor terminal blocks are aligned		Gray	**DS-QTC 2,5**		**3206607**	50
Plug-in bridge for cross connections in the bridge shaft						
	2	Red	**FBS 2-6**	32 A	**3030336**	50
	3	Red	**FBS 3-6**	32 A	**3030242**	50
	4	Red	**FBS 4-6**	32 A	**3030255**	50
	5	Red	**FBS 5-6**	32 A	**3030349**	50
	10	Red	**FBS 10-6**	32 A	**3030271**	10
	20	Red	**FBS 20-6**	32 A	**3030365**	10
Connection pin, for coupling several fuse terminal blocks, made of plastic, 1 m long		White	**VS**		**3004207**	1
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10
UniCard sheet, for lever labeling			**UC-TM 5 (see page 479)**			
UniCard sheet, for labeling the lateral groove			**UC-TMF 6 (see page 483)**			
Zack marker strip, for lever labeling			**ZB 5 (see page 487)**			
Zack marker strip, for labeling the lateral groove			**ZBF 6 (see page 493)**			

Lever-type disconnect terminal block QTC ...

The QTC 2,5-HEDI lever-type disconnect terminal block has the same shape as the lever-type fuse terminal blocks. This has the advantage of allowing continuous labeling of the terminal points. The terminal block provides the option of bypass-routing two potentials next to one another with the two bridge shafts. This makes it possible to use the advantages of the time-saving potential distribution and correct, functional configuration of the terminal strip.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



QTC 2,5-HEDI

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**6.2**	**82.5**	**64.9**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		20	**500**	**0.5 - 2.5**	**20 - 14**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	300	300	-
Nominal current / cross-section	[A] / [mm²]	20 / 2.5	15 / -	15 / -	-
Rated cross-section	[mm²]	2.5	-	-	-
Cross-section range	AWG	20 - 14	20-14	20-14	-
Connection cross-section in acc. with DIN VDE 0295					
H05V(Z) / H07V(Z)	[mm²]	0.5 - 2.5			
Class 5 / class 6 [litz wires Ø ≥ 0.1 mm]	[mm²]	-			
[Litz wires Ø ≥ 0.19 mm]	AWG	20 - 14			
Frequency of connections with the same cross-section		100			
General data					
Insulating material		PA			
Inflammability class acc. to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Lever-type disconnect terminal block, same shape as QTC 2,5-HESI		Black	**QTC 2,5-HEDI**		**3206678**	50

Accessories

Cover, width 2.2 mm		Gray	**D-QTC 2,5-TWIN**		**3206571**	50
End cover segment, for covering multi-conductor terminal blocks when two-conductor terminal blocks are aligned		Gray	**DS-QTC 2,5**		**3206607**	50
Plug-in bridge for cross connections in the bridge shaft						
	2	Red	**FBS 2-6**	32 A	**3030336**	50
	3	Red	**FBS 3-6**	32 A	**3030242**	50
	4	Red	**FBS 4-6**	32 A	**3030255**	50
	5	Red	**FBS 5-6**	32 A	**3030349**	50
	10	Red	**FBS 10-6**	32 A	**3030271**	10
	20	Red	**FBS 20-6**	32 A	**3030365**	10
Connection pin, for coupling several fuse terminal blocks, made of plastic, 1 m long		White	**VS**		**3004207**	1
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10
UniCard sheet, for lever labeling			**UC-TM 5 (see page 479)**			
UniCard sheet, for labeling the lateral groove			**UC-TMF 6 (see page 483)**			
Zack marker strip, for lever labeling			**ZB 5 (see page 487)**			
Zack marker strip, flat, for labeling the lateral groove			**ZBF 6 (see page 493)**			

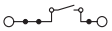
Knife disconnect terminal blocks
QTC ...-MT



Feed-through terminal blocks with disconnect option are a standard in measuring and control technology. QTC...-MT terminal blocks have a captive disconnect knife with current-carrying capacities of up to 20 A. Another special feature are the three bridge shafts per terminal block. Two of them are in the same locations as in the standard QT and ST series, and an additional one is located on the other side of the disconnect point.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) The max. load current must not be exceeded by the total current of all connected conductors.





QTC 1,5-MT

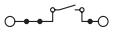
Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**76.4**	**39.3**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		17.5	**400**	**0.25 - 1.5**	**24 - 16**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400	300	600	-
Nominal current / cross-section	[A] / [mm²]	17.5 / 1.5	10 / -	10 / -	-
Rated cross-section	[mm²]	1.5	-	-	-
Cross-section range	AWG	24 - 16	24-16	24-16	-
Connection cross-section in acc. with DIN VDE 0295					
H05V(Z) / H07V(Z)	[mm²]	0.5 - 1.5			
Class 5 / class 6 [litz wires Ø ≥ 0.1 mm]	[mm²]	0.25 - 0.34			
[Litz wires Ø ≥ 0.19 mm]	AWG	24 - 16			
Frequency of connections with the same cross-section		100			
General data					
Insulating material		PA			
Inflammability class acc. to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		Gray	**QTC 1,5-MT**		**3205103**	50

Accessories

Cover, width 2.2 mm		Gray	**D-QTC 1,5-TWIN**		**3205190**	50
End cover segment, for covering multi-conductor terminal blocks when two-conductor terminal blocks are aligned		Gray	**DS-QTC 1,5**		**3205200**	50
Plug-in bridge for cross connections in the bridge shaft						
	2	Red	**FBS 2-5**	24 A	**3030161**	50
	3	Red	**FBS 3-5**	24 A	**3030174**	50
	4	Red	**FBS 4-5**	24 A	**3030187**	50
	5	Red	**FBS 5-5**	24 A	**3030190**	50
	10	Red	**FBS 10-5**	24 A	**3030213**	10
	20	Red	**FBS 20-5**	24 A	**3030226**	10
Partition plate, for visual and electrical separation of terminal groups, 2 mm thick		Gray	**ATP-QTC TWIN**		**3206212**	50
Test adapter, for 4 mm Ø PS test plug and 4 mm safety test plug, makes contact in the bridge shaft		Gray	**PAI-4**		**3030925**	10
Test plug, consisting of: metal part for 2.3 mm Ø socket hole and			**MPS-MT**		**0201744**	10
insulating sleeve for MPS metal part		Red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		Red	**PS-5**		**3030983**	10
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10
UniCard sheet, for labeling the center groove			**UC-TMF 5 (see page 482)**			
UniCard sheet, for labeling the center and side grooves			**UC-TM 5 (see page 479)**			
Zack markers, for labeling the center groove			**ZB 5 (see page 487)**			
Zack marker strip, flat, for labeling the center and lateral grooves			**ZBF 5 (see page 492)**			





QTC 2,5-MT





QTC 1,5-TWIN-MT

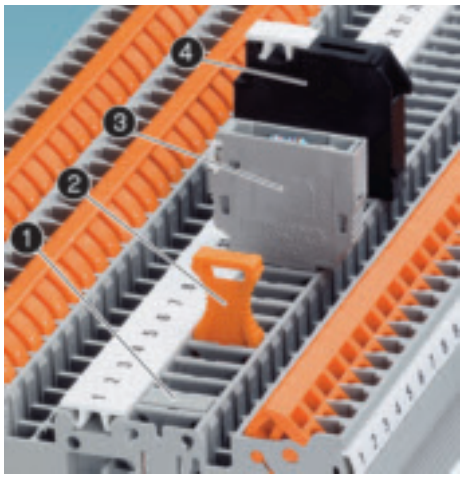
Width	Length	Height NS 35/7,5	
6.2	**82.5**	**42.8**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
20	**400**	**0.5 - 2.5**	**20 - 14**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	300	600	-
20 / 2.5	15 / -	15 / -	-
2.5	-	-	-
20 - 14	20-14	20-14	-
0.5 - 2.5			
-			
20 - 14			
100			
PA			
V0			

Width	Length	Height NS 35/7,5	
5.2	**94**	**39.3**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
17.5[1])	**400**	**0.25 - 1.5**	**24 - 16**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	-	-	-
17.5[1]) / 1.5	- / -	- / -	-
1.5	-	-	-
24 - 16	-	-	-
0.5 - 1.5			
0.25 - 0.34			
24 - 16			
100			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
QTC 2,5-MT		**3206487**	50
D-QTC 2,5-TWIN		**3206571**	50
DS-QTC 2,5		**3206607**	50
FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 10-6	32 A	**3030271**	10
FBS 20-6	32 A	**3030365**	10
ATP-QTC TWIN		**3206212**	50
PAI-4		**3030925**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
SZF 1-0,6X3,5		**1204517**	10
UC-TMF 6 (see page 483)			
UC-TM 6 (see page 479)			
ZB 6 (see page 487)			
ZBF 6 (see page 493)			

Type	I_{max}	Order No.	Pcs. / Pkt.
QTC 1,5-TWIN-MT		**3050407**	50
D-QTC 1,5-QUATTRO		**3205174**	50
DS-QTC 1,5		**3205200**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
ATP-QTC QUATTRO		**3206225**	50
PAI-4		**3030925**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
SZF 1-0,6X3,5		**1204517**	10
UC-TMF 5 (see page 482)			
UC-TM 5 (see page 479)			
ZB 5 (see page 487)			
ZBF 5 (see page 492)			

Disconnect terminal blocks
QTC ...-TG



The disconnect terminal block QTC 1,5-TWIN-TG has three bridging shafts like the knife disconnect terminal block QTC 1,5-TWIN-MT. Various components can be used in the disconnect zone.

The isolated through connector P-FIX (1) enables the installation of a feed-through terminal of the same shape.

The isolating connector P-DI (2) can be used in all disconnect terminal blocks. Following disconnection, the P-DI can be "parked" back to front in the basic terminal block.

The component connector P-CO (3) serves to accommodate different components such as resistors or diodes.

5 x 20 mm cartridge fuses can be inserted in the fuse connector P-FU (4). This connector is also available with a light indicator for signaling a triggered fuse.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) The max. load current must not be exceeded by the total current of all connected conductors.

[2]) Observe max. load current.

[3]) Observe max load current, depending on the power dissipation of the components. Max 0.5 W with single arrangement.

[4]) For max. power dissipation, see page 729.

[5]) Current and voltage are determined by the connector used.



QTC 1,5-TG

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**76.4**	**39.3**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		17.5[5])	**400[5])**	**0.25 - 1.5**	**24 - 16**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400[5])	300	600	-
Nominal current / cross-section	[A] / [mm²]	17.5 / 1.5	10 / -	10 / -	-
Rated cross-section	[mm²]	1.5	-	-	-
Cross-section range	AWG	24 - 16	24-16	24-16	-
Connection cross-section in acc. with DIN VDE 0295					
H05V(Z) / H07V(Z)	[mm²]	0.5 - 1.5			
Class 5 / class 6 [litz wires Ø ≥ 0.1 mm]	[mm²]	0.25 - 0.34			
[Litz wires Ø ≥ 0.19 mm]	AWG	24 - 16			
Frequency of connections with the same cross-section		100			
General data					
Insulating material		PA			
Inflammability class acc. to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		Gray	**QTC 1,5-TG**		**3205145**	50

Accessories

Cover, width 2.2 mm		Gray	**D-QTC 1,5-TWIN**		**3205190**	50
End cover segment, for covering multi-conductor terminal blocks when two-conductor terminal blocks are aligned		Gray	**DS-QTC 1,5**		**3205200**	50
Plug-in bridge for cross connections in the bridge shaft						
	2	Red	**FBS 2-5**	24 A	**3030161**	50
	3	Red	**FBS 3-5**	24 A	**3030174**	50
	4	Red	**FBS 4-5**	24 A	**3030187**	50
	5	Red	**FBS 5-5**	24 A	**3030190**	50
	10	Red	**FBS 10-5**	24 A	**3030213**	10
	20	Red	**FBS 20-5**	24 A	**3030226**	10
Partition plate, for visual and electrical separation of terminal groups, 2 mm thick		Gray	**ATP-QTC TWIN**		**3206212**	50
Test adapter, for 4 mm Ø PS test plug and 4 mm safety test plug, makes contact in the bridge shaft		Gray	**PAI-4**		**3030925**	10
Test plug, consisting of: metal part for 2.3 mm Ø socket hole and			**MPS-MT**		**0201744**	10
insulating sleeve for MPS metal part		Red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		Red	**PS-5**		**3030983**	10
Disconnect plugs[2])		Orange	**P-DI**		**3036783**	50
Feed-through connector[2])		Gray	**P-FIX**		**3038956**	50
Component connector, labeled with ZBF 5 or UC-TMF 5[3])		Gray	**P-CO**		**3036796**	10
Fuse connector, width 6.2 mm[4])		Black	**P-FU 5X20**		**3036806**	10
With light indicator for 12-30 V		Black	**P-FU 5X20 LED 24**		**3036819**	10
With light indicator for 30-60 V		Black	**P-FU 5X20 LED 60**		**3036822**	10
With light indicator for 110-250 V		Black	**P-FU 5X20 LA 250**		**3036835**	10
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10
UniCard sheet, for labeling the center groove			**UC-TMF 5 (see page 482)**			
UniCard sheet, for labeling the center and side grooves			**UC-TM 5 (see page 479)**			
Zack markers, for labeling the center groove			**ZB 5 (see page 487)**			
Zack marker strip, flat, for labeling the center and lateral grooves			**ZBF 5 (see page 492)**			



QTC 2,5-TG



QTC 1,5-TWIN-TG

Width	Length	Height NS 35/7,5	
6.2	**82.5**	**39.3**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
20[5])	**400[5])**	**0.5 - 2.5**	**20 - 14**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400[5])	300	600	-
20 / 2.5	15 / -	15 / -	-
2.5	-	-	-
20 - 14	20-14	20-14	-
0.5 - 2.5			
-			
20 - 14			
100			
PA			
V0			

Width	Length	Height NS 35/7,5	
5.2	**94**	**39.3**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
17.5[1])	**400[5])**	**0.25 - 1.5**	**24 - 16**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400[5])	-	-	-
17.5[1]) / 1.5	- / -	- / -	-
1.5	-	-	-
24 - 16	-	-	-
0.5 - 1.5			
0.25 - 0.34			
24 - 16			
100			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
QTC 2,5-TG		**3206490**	50
D-QTC 2,5-TWIN		**3206571**	50
DS-QTC 2,5		**3206607**	50
FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 10-6	32 A	**3030271**	10
FBS 20-6	32 A	**3030365**	10
ATP-QTC TWIN		**3206212**	50
PAI-4		**3030925**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
P-DI		**3036783**	50
P-FIX		**3038956**	50
P-CO		**3036796**	10
P-FU 5X20		**3036806**	10
P-FU 5X20 LED 24		**3036819**	10
P-FU 5X20 LED 60		**3036822**	10
P-FU 5X20 LA 250		**3036835**	10
SZF 1-0,6X3,5		**1204517**	10
UC-TMF 6 (see page 483)			
UC-TM 6 (see page 479)			
ZB 6 (see page 487)			
ZBF 6 (see page 493)			

Type	I_{max}	Order No.	Pcs. / Pkt.
QTC 1,5-TWIN-TG		**3050413**	50
D-QTC 1,5-QUATTRO		**3205174**	50
DS-QTC 1,5		**3205200**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
ATP-QTC QUATTRO		**3206225**	50
PAI-4		**3030925**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
P-DI		**3036783**	50
P-FIX		**3038956**	50
P-CO		**3036796**	10
P-FU 5X20		**3036806**	10
P-FU 5X20 LED 24		**3036819**	10
P-FU 5X20 LED 60		**3036822**	10
P-FU 5X20 LA 250		**3036835**	10
SZF 1-0,6X3,5		**1204517**	10
UC-TMF 5 (see page 482)			
UC-TM 5 (see page 479)			
ZB 5 (see page 487)			
ZBF 5 (see page 492)			

Hybrid terminal blocks QTCU ...

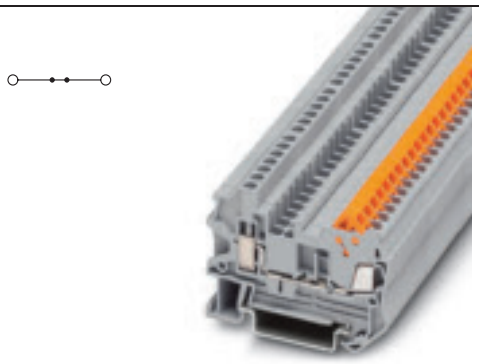
The hybrid variants combine the advantages of the different connection methods. On the control cabinet side, the time-saving QUICKON fast connection system is used, for example. The UT screw connection can be used for wiring to the end user.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

More plug-in bridges can be found on page 330.

[1]) The max. load current must not be exceeded by the total current of all connected conductors.

[2]) For information on installation for using accessories for Ex e applications, see page 720.



QTCU 1,5 ...

Ex: KEMA 04ATEX2226 U / IECEx KEM 07.0007U



QTCU 2,5 ...

Ex: KEMA 05ATEX2148 U / IECEx KEM 07.0010U

Dimensions		Width	Length	Height NS 35/7,5		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**58.8**	**42.8**		**6.2**	**62.6**	**42.8**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG	$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		17.5	**800**	**0.14 - 4**	**26 - 12**	**24**	**800**	**0.14 - 6**	**26 - 10**
Rated data, fast connection		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7	IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	800	600	-	550	800	600	-	550
Nominal current / cross-section	[A] / [mm²]	17.5 / 1.5	10 / -	- / -	- / 4	24 / 2.5	15 / -	- / -	22 / 2.5 // 22 / 2.5
Rated cross-section	[mm²]	1.5	-	-	4	2.5	-	-	2.5
Cross-section range	AWG	24 - 16	24-16	-	24 - 16	20 - 14	20-14	-	20 - 14
Connection cross-section in acc. with DIN VDE 0295									
H05V(Z) / H07V(Z)	[mm²]	0.5 - 1.5				0.5 - 2.5			
Class 5 / class 6 [litz wires Ø ≥ 0.1 mm]	[mm²]	0.25 - 0.34				-			
[Litz wires Ø ≥ 0.19 mm]	AWG	24 - 16				20 - 14			
Frequency of connections with the same cross-section		100				100			
Rated data, screw connection		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7	IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	800	600	-	550	800	600	-	550
Nominal current / cross-section	[A] / [mm²]	17.5 / 1.5	10 / -	- / -	- / 4	24 / 2.5	15 / -	- / -	22 / 2.5 // 22 / 2.5
Rated cross-section	[mm²]	1.5	-	-	4	2.5	-	-	2.5
Cross-section range	AWG	26 - 12	24-16	-	24 - 16	26 - 10	20-14	-	20 - 14
Connection capacity, screw connection		Solid	Stranded	Ferrule without / with plastic sleeve		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5	0.14 - 6	0.14 - 4	0.14 - 4	0.14 - 4
Two conductors (of the same type)	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
Two conductors with a TWIN ferrule	[mm²]				0.5 - 1.5				0.5 - 2.5
General data									
Stripping length	[mm]	9				9			
Screw thread		M3				M3			
Tightening torque	[Nm]	0.6 - 0.8				0.6 - 0.8			
Insulating material		PA				PA			
Inflammability class acc. to UL 94		V0				V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		Gray	**QTCU 1,5**		**3050015**	50	**QTCU 2,5**		**3206539**	50
		Blue	**QTCU 1,5 BU**		**3050028**	50	**QTCU 2,5 BU**		**3206542**	50
With potential distribution[1])		Gray								

Accessories[2])

Cover, width 2.2 mm		Gray	**D-QTCU 1,5**		**3206283**	50	**D-QTCU 2,5**		**3206597**	50
End cover segment, for covering multi-conductor terminal blocks when two-conductor terminal blocks are aligned		Gray								
Plug-in bridge for cross connections in the bridge shaft										
	2	Red	**FBS 2-5**	24 A	**3030161**	50	**FBS 2-6**	32 A	**3030336**	50
	5	Red	**FBS 5-5**	24 A	**3030190**	50	**FBS 5-6**	32 A	**3030349**	50
	20	Red	**FBS 20-5**	24 A	**3030226**	10	**FBS 20-6**	32 A	**3030365**	10
Vertical potential bridge, to connect the upper and lower level		Black								
Partition plate, for visual and electrical separation of terminal groups, 2 mm thick		Gray	**ATP-QTC**		**3206209**	50	**ATP-QTC**		**3206209**	50
UniCard sheet, for labeling the center groove			**UC-TM 5 (see page 479)**				**UC-TM 6 (see page 479)**			
UniCard sheet, for labeling the center and side grooves			**UC-TMF 5 (see page 482)**				**UC-TMF 6 (see page 483)**			
Zack markers, for labeling the center groove			**ZB 5 (see page 487)**				**ZB 6 (see page 487)**			
Zack marker strip, flat, for labeling the center and lateral grooves			**ZBF 5 (see page 492)**				**ZBF 6 (see page 493)**			



QTCU 1,5-TWIN ...

Ex: KEMA
KEMA 04ATEX2226 U / IECEx KEM 07.0007U

Width	Length	Height NS 35/7,5	
5.2	**76.4**	**42.8**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
17.5[1])	**800**	**0.14 - 4**	**26 - 12**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800	600	-	550
17.5 / 1.5	10 / -	- / -	- / 4
1.5	-	-	4
24 - 16	24-16	-	24 - 16
0.5 - 1.5			
0.25 - 0.34			
24 - 16			
100			
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800	600	-	550
17.5 / 1.5	10 / -	- / -	- / 4
1.5	-	-	4
26 - 12	24-16	-	24 - 16
Solid	Stranded	Ferrule	without / with plastic sleeve
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
			0.5 - 1.5
9			
M3			
0.6 - 0.8			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
QTCU 1,5-TWIN		**3050044**	50
QTCU 1,5-TWIN BU		**3050057**	50
D-QTCU 1,5-TWIN		**3206296**	50
DS-QTC 1,5		**3205200**	50
FBS 2-5	24 A	**3030161**	50
FBS 5-5	24 A	**3030190**	50
FBS 20-5	24 A	**3030226**	10
ATP-QTC TWIN		**3206212**	50
UC-TM 5 (see page 479)			
UC-TMF 5 (see page 482)			
ZB 5 (see page 487)			
ZBF 5 (see page 492)			

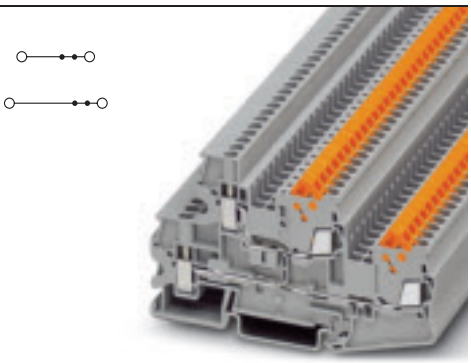


QTCU 2,5-TWIN ...

Ex: KEMA
KEMA 05ATEX2148 U / IECEx KEM 07.0010U

Width	Length	Height NS 35/7,5	
6.2	**82.5**	**42.8**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
24[1])	**800**	**0.14 - 6**	**26 - 10**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800	600	-	550
24 / 2.5	15 / -	- / -	22 / 2.5 // 22 / 2.5
2.5	-	-	2.5
20 - 14	20-14	-	20 - 14
0.5 - 2.5			
-			
20 - 14			
100			
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800	600	-	550
24 / 2.5	15 / -	- / -	22 / 2.5 // 22 / 2.5
2.5	-	-	2.5
26 - 10	20-14	-	20 - 14
Solid	Stranded	Ferrule	without / with plastic sleeve
0.14 - 6	0.14 - 4	0.14 - 4	0.14 - 4
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
			0.5 - 2.5
9			
M3			
0.6 - 0.8			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
QTCU 2,5-TWIN		**3050303**	50
QTCU 2,5-TWIN BU		**3050316**	50
D-QTCU 2,5 TWIN		**3050510**	50
DS-QTC 2,5		**3206607**	50
FBS 2-6	32 A	**3030336**	50
FBS 5-6	32 A	**3030349**	50
FBS 20-6	32 A	**3030365**	10
ATP-QTC TWIN		**3206212**	50
UC-TM 6 (see page 479)			
UC-TMF 6 (see page 483)			
ZB 6 (see page 487)			
ZBF 6 (see page 493)			



QTTCBU 1,5 ...

Width	Length	Height NS 35/7,5	
5.2	**93.5**	**55.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
17.5	**500**	**0.14 - 4**	**26 - 12**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	300	-	-
17.5 / 1.5	10 / -	- / -	-
1.5	-	-	
24 - 16	24-16	-	-
0.5 - 1.5			
0.25 - 0.34			
24 - 16			
100			
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	300	-	-
17.5 / 1.5	10 / -	- / -	-
1.5	-	-	
26 - 12	24-16	-	-
Solid	Stranded	Ferrule	without / with plastic sleeve
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
			0.5 - 1.5
9			
M3			
0.6 - 0.8			
PA			
V0			

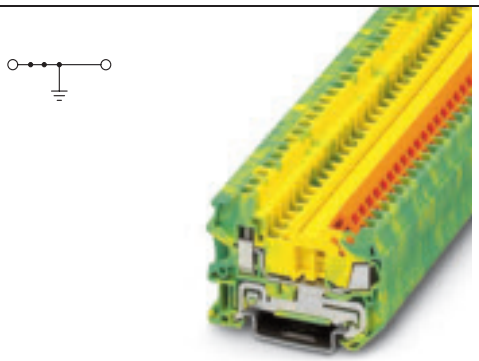
Type	I_{max}	Order No.	Pcs. / Pkt.
QTTCBU 1,5		**3050264**	50
QTTCBU 1,5 BU		**3050280**	50
QTTCBU 1,5-PV		**3050361**	50
D-QTTCBU 1,5		**3050536**	50
FBS 2-5	24 A	**3030161**	50
FBS 5-5	24 A	**3030190**	50
FBS 20-5	24 A	**3030226**	10
FBS-PV		**3032185**	50
ATP-QTTCB		**3206238**	50
UC-TMF 5 (see page 482)			
ZBF 5 (see page 492)			

Hybrid ground terminal blocks QTCU ...-PE

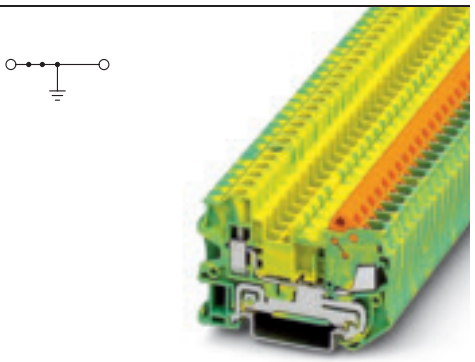
Current carrying capacity of DIN rails, see page 728.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) For information on installation for using accessories for Ex e applications, see page 720.



QTCU 1,5-PE



QTCU 2,5-PE

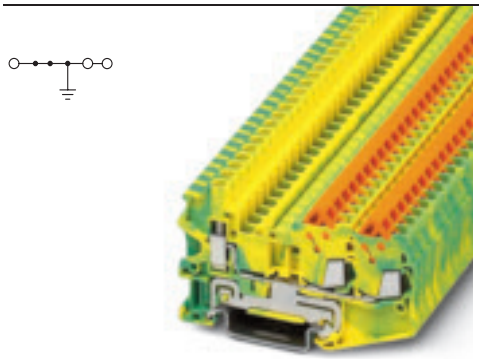
		Ex: KEMA 04ATEX2226 U / IECEx KEM 07.0007U				Ex: KEMA 05ATEX2148 U / IECEx KEM 07.0010U			
Dimensions		Width	Length	Height NS 35/7,5		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**58.8**	**42.8**		**6.2**	**62.6**	**42.8**	
Max. electrical data				Max. Ø [mm²]	AWG			Max. Ø [mm²]	AWG
				0.14 - 4	**26 - 12**			**0.14 - 6**	**26 - 10**
Rated data, fast connection		IEC 60947-7-2 IEC	UL / CUL	CSA	IEC/ EN 60079-7	IEC 60947-7-2 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	-	-	-	-	-	-	-	-
Nominal current / cross-section	[A] / [mm²]	- / -	- / -	- / -	- / 4	- / -	- / -	- / -	- / 2.5
Rated cross-section	[mm²]	1.5	-	-	4	2.5	-	-	2.5
Cross-section range	AWG	24 - 16	24-16	-	24 - 16	20 - 14	20-14	-	20 - 14
Connection cross-section in acc. with DIN VDE 0295									
H05V(Z) / H07V(Z)	[mm²]	0.5 - 1.5				0.5 - 2.5			
Class 5 / class 6 [litz wires Ø ≥ 0.1 mm]	[mm²]	0.25 - 0.34				-			
[Litz wires Ø ≥ 0.19 mm]	AWG	24 - 16				20 - 14			
Frequency of connections with the same cross-section		100				100			
Rated data, screw connection		IEC 60947-7-2 IEC	UL / CUL	CSA	IEC/ EN 60079-7	IEC 60947-7-2 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	-	-	-	-	-	-	-	-
Nominal current / cross-section	[A] / [mm²]	- / -	- / -	- / -	- / 4	- / -	- / -	- / -	- / 2.5
Rated cross-section	[mm²]	1.5	-	-	4	2.5	-	-	2.5
Cross-section range	AWG	26 - 12	24-16	-	24 - 16	26 - 10	20-14	-	20 - 14
Connection capacity, screw connection		Solid	Stranded	Ferrule without / with plastic sleeve		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5	0.14 - 6	0.14 - 4	0.14 - 4	0.14 - 4
Two conductors (of the same type)	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
Two conductors with a TWIN ferrule	[mm²]				0.5 - 1.5				0.5 - 2.5
General data									
Stripping length	[mm]	9				9			
Screw thread		M3				M3			
Tightening torque	[Nm]	0.6 - 0.8				0.6 - 0.8			
Insulating material		PA				PA			
Inflammability class acc. to UL 94		V0				V0			

Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Ground terminal block, for mounting on NS 35...		Green-yellow	**QTCU 1,5-PE**	**3050031**	50	**QTCU 2,5-PE**	**3206555**	50

Accessories[1])

Cover, width 2.2 mm		Gray	**D-QTCU 1,5**	**3206283**	50	**D-QTCU 2,5**	**3206597**	50
End cover segment, for covering multi-conductor terminal blocks when two-conductor terminal blocks are aligned		Gray						
Plug-in bridge for cross connections in the bridge shaft								
	2	Red	**FBS 2-5**	**3030161**	50	**FBS 2-6**	**3030336**	50
	3	Red	**FBS 3-5**	**3030174**	50	**FBS 3-6**	**3030242**	50
	4	Red	**FBS 4-5**	**3030187**	50	**FBS 4-6**	**3030255**	50
	5	Red	**FBS 5-5**	**3030190**	50	**FBS 5-6**	**3030349**	50
	10	Red	**FBS 10-5**	**3030213**	10	**FBS 10-6**	**3030271**	10
	20	Red	**FBS 20-5**	**3030226**	10	**FBS 20-6**	**3030365**	10
Partition plate, for visual and electrical separation of terminal groups, 2 mm thick		Gray	**ATP-QTC**	**3206209**	50	**ATP-QTC**	**3206209**	50
Modular test plug, for the individual assembly of test plug strips		Red	**PS-5**	**3030983**	10	**PS-6**	**3030996**	10
UniCard sheet, for labeling the center groove			**UC-TM 5 (see page 479)**			**UC-TM 6 (see page 479)**		
UniCard sheet, for labeling the center and side grooves			**UC-TMF 5 (see page 482)**			**UC-TMF 6 (see page 483)**		
Zack markers, for labeling the center groove			**ZB 5 (see page 487)**			**ZB 6 (see page 487)**		
Zack marker strip, flat, for labeling the center and lateral grooves			**ZBF 5 (see page 492)**			**ZBF 6 (see page 493)**		



QTCU 1,5-TWIN-PE

Ex: KEMA
KEMA 04ATEX2226 U / IECEx KEM 07.0007U

Width	Length	Height NS 35/7,5	
5.2	**76.4**	**42.8**	
		Max. Ø [mm²]	AWG
		0.14 - 4	**26 - 12**

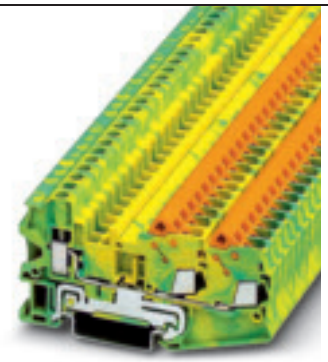
IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	- / 4
1.5	-	-	4
24 - 16	24-16	-	24 - 16

0.5 - 1.5
0.25 - 0.34
24 - 16
100

IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	- / 4
1.5	-	-	4
26 - 12	24-16	-	24 - 16
Solid	Stranded	Ferrule	
		without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
			0.5 - 1.5

9
M3
0.6 - 0.8
PA
V0

Type	Order No.	Pcs. / Pkt.
QTCU 1,5-TWIN-PE	**3050060**	50
D-QTCU 1,5-TWIN	**3206296**	50
DS-QTC 1,5	**3205200**	50
FBS 2-5	**3030161**	50
FBS 3-5	**3030174**	50
FBS 4-5	**3030187**	50
FBS 5-5	**3030190**	50
FBS 10-5	**3030213**	10
FBS 20-5	**3030226**	10
ATP-QTC TWIN	**3206212**	50
PS-5	**3030983**	10
UC-TM 5 (see page 479)		
UC-TMF 5 (see page 482)		
ZB 5 (see page 487)		
ZBF 5 (see page 492)		



QTCU 2,5-TWIN-PE

Ex: KEMA
KEMA 05ATEX2148 U / IECEx KEM 07.0010U

Width	Length	Height NS 35/7,5	
6.2	**82.5**	**42.8**	
		Max. Ø [mm²]	AWG
		0.14 - 6	**26 - 10**

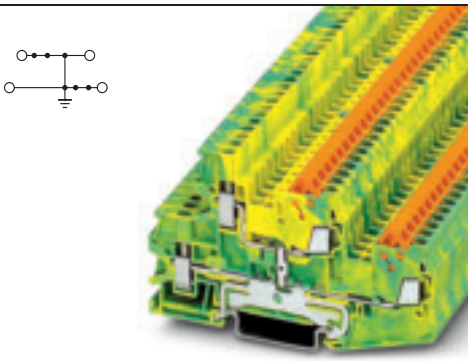
IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	- / 2.5
2.5	-	-	2.5
20 - 14	20-14	-	20 - 14

0.5 - 2.5
-
20 - 14
100

IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	- / 2.5
2.5	-	-	2.5
26 - 10	20-14	-	20 - 14
Solid	Stranded	Ferrule	
		without / with plastic sleeve	
0.14 - 6	0.14 - 4	0.14 - 4	0.14 - 4
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
			0.5 - 2.5

9
M3
0.6 - 0.8
PA
V0

Type	Order No.	Pcs. / Pkt.
QTCU 2,5-TWIN-PE	**3050329**	50
D-QTCU 2,5 TWIN	**3050510**	50
DS-QTC 2,5	**3206607**	50
FBS 2-6	**3030336**	50
FBS 3-6	**3030242**	50
FBS 4-6	**3030255**	50
FBS 5-6	**3030349**	50
FBS 10-6	**3030271**	10
FBS 20-6	**3030365**	10
ATP-QTC TWIN	**3206212**	50
PS-6	**3030996**	10
UC-TM 6 (see page 479)		
UC-TMF 6 (see page 483)		
ZB 6 (see page 487)		
ZBF 6 (see page 493)		



QTTCBU 1,5-PE

Width	Length	Height NS 35/7,5	
5.2	**93.5**	**55.5**	
		Max. Ø [mm²]	AWG
		0.14 - 4	**26 - 12**

IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	-
1.5	-	-	
24 - 16	24-16	-	-

0.5 - 1.5
0.25 - 0.34
24 - 16
100

IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	-
1.5	-	-	
26 - 12	24-16	-	-
Solid	Stranded	Ferrule	
		without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
			0.5 - 1.5

9
M3
0.6 - 0.8
PA
V0

Type	Order No.	Pcs. / Pkt.
QTTCBU 1,5-PE	**3050277**	50
D-QTTCBU 1,5	**3050536**	50
FBS 2-5	**3030161**	50
FBS 3-5	**3030174**	50
FBS 4-5	**3030187**	50
FBS 5-5	**3030190**	50
FBS 10-5	**3030213**	10
FBS 20-5	**3030226**	10
ATP-QTTCB	**3206238**	50
PS-5	**3030983**	10
ZB 5 (see page 487)		
ZBF 5 (see page 492)		

Hybrid terminal blocks QTCS ...

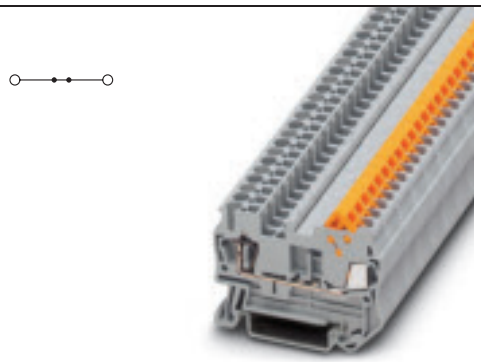
The hybrid variants combine the advantages of the different connection methods. On the control cabinet side, the time-saving QUICKON fast connection system is used, for example. The ST spring-cage connection can be used for wiring to the end user.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

More plug-in bridges can be found on page 330.

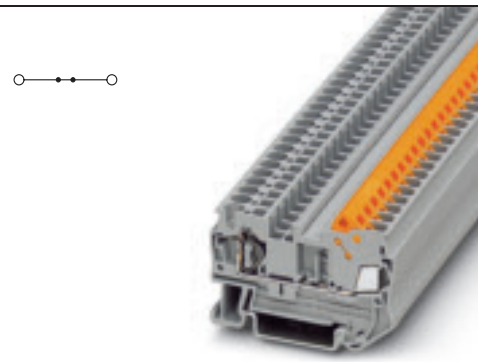
[1]) The max. load current must not be exceeded by the total current of all connected conductors.

[2]) For information on installation for using accessories for Ex e applications, see page 720.



QTCS 1,5 ...

Ex: KEMA 04ATEX2226 U / IECEx KEM 07.0007U



QTCS 2,5 ...

Ex: KEMA 05ATEX2148 U / IECEx KEM 07.0010U

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**54.4**	**39.3**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		17.5	**800**	**0.08 - 4**	**28 - 12**
Rated data, fast connection		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	800	600	-	550
Nominal current / cross-section	[A] / [mm²]	17.5 / 1.5	10 / -	- / -	- / 4
Rated cross-section	[mm²]	1.5	-	-	4
Cross-section range	AWG	24 - 16	24-16	-	24 - 16
Connection cross-section in acc. with DIN VDE 0295					
H05V(Z) / H07V(Z)	[mm²]	0.5 - 1.5			
Class 5 / class 6 [litz wires Ø ≥ 0.1 mm]	[mm²]	0.25 - 0.34			
[Litz wires Ø ≥ 0.19 mm]	AWG	24 - 16			
Frequency of connections with the same cross-section		100			
Rated data, spring-cage connection		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	800	600	-	550
Nominal current / cross-section	[A] / [mm²]	17.5 / 1.5	10 / -	- / -	- / 4
Rated cross-section	[mm²]	1.5	-	-	4
Cross-section range	AWG	28 - 12	24-16	-	24 - 16
Connection capacity, spring-cage connection		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
Two conductors with a TWIN ferrule	[mm²]				0.5
General data					
Stripping length	[mm]	10			
Insulating material		PA			
Inflammability class acc. to UL 94		V0			

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**6.2**	**59.7**	**39.3**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		24	**800**	**0.08 - 6**	**28 - 10**
Rated data, fast connection		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	800	600	-	550
Nominal current / cross-section	[A] / [mm²]	24 / 2.5	15 / -	- / -	22.5 / 2.5 // 22.5 / 2.5
Rated cross-section	[mm²]	2.5	-	-	2.5
Cross-section range	AWG	20 - 14	20-14	-	20 - 14
Connection cross-section in acc. with DIN VDE 0295					
H05V(Z) / H07V(Z)	[mm²]	0.5 - 2.5			
Class 5 / class 6 [litz wires Ø ≥ 0.1 mm]	[mm²]	-			
[Litz wires Ø ≥ 0.19 mm]	AWG	20 - 14			
Frequency of connections with the same cross-section		100			
Rated data, spring-cage connection		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	800	600	-	550
Nominal current / cross-section	[A] / [mm²]	24 / 2.5	15 / -	- / -	22.5 / 2.5 // 22.5 / 2.5
Rated cross-section	[mm²]	2.5	-	-	2.5
Cross-section range	AWG	28 - 10	20-14	-	20 - 14
Connection capacity, spring-cage connection		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4
Two conductors with a TWIN ferrule	[mm²]				0.5 - 1
General data					
Stripping length	[mm]	10			
Insulating material		PA			
Inflammability class acc. to UL 94		V0			

Ordering data

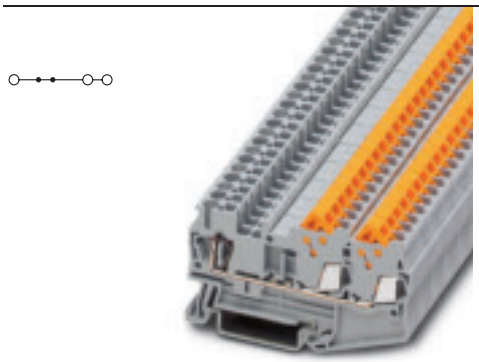
Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		Gray	**QTCS 1,5**		**3050138**	50
		Blue	**QTCS 1,5 BU**		**3050141**	50
With potential distribution[1])		Gray				

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		Gray	**QTCS 2,5**		**3206500**	50
		Blue	**QTCS 2,5 BU**		**3206513**	50
With potential distribution[1])		Gray				

Accessories[2])

Cover, width 2.2 mm		Gray	**D-QTCS 1,5**		**3206270**	50
End cover segment, for covering multi-conductor terminal blocks when two-conductor terminal blocks are aligned		Gray				
Plug-in bridge for cross connections in the bridge shaft						
	2	Red	**FBS 2-5**	24 A	**3030161**	50
	5	Red	**FBS 5-5**	24 A	**3030190**	50
	20	Red	**FBS 20-5**	24 A	**3030226**	10
Vertical potential bridge, to connect the upper and lower level		Black				
Partition plate, for visual and electrical separation of terminal groups, 2 mm thick		Gray	**ATP-QTC**		**3206209**	50
Modular test plug, for the individual assembly of test plug strips		Red	**PS-5**		**3030983**	10
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10
UniCard sheet, for labeling the center groove			**UC-TM 5 (see page 479)**			
UniCard sheet, for labeling the center and side grooves			**UC-TMF 5 (see page 482)**			
Zack markers, for labeling the center groove			**ZB 5 (see page 487)**			
Zack marker strip, flat, for labeling the center and lateral grooves			**ZBF 5 (see page 492)**			

Cover, width 2.2 mm		Gray	**D-QTCS 2,5**		**3206584**	50
End cover segment, for covering multi-conductor terminal blocks when two-conductor terminal blocks are aligned		Gray				
Plug-in bridge for cross connections in the bridge shaft						
	2	Red	**FBS 2-6**	32 A	**3030336**	50
	5	Red	**FBS 5-6**	32 A	**3030349**	50
	20	Red	**FBS 20-6**	32 A	**3030365**	10
Vertical potential bridge, to connect the upper and lower level		Black				
Partition plate, for visual and electrical separation of terminal groups, 2 mm thick		Gray	**ATP-QTC**		**3206209**	50
Modular test plug, for the individual assembly of test plug strips		Red	**PS-6**		**3030996**	10
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10
UniCard sheet, for labeling the center groove			**UC-TM 6 (see page 479)**			
UniCard sheet, for labeling the center and side grooves			**UC-TMF 6 (see page 483)**			
Zack markers, for labeling the center groove			**ZB 6 (see page 487)**			
Zack marker strip, flat, for labeling the center and lateral grooves			**ZBF 6 (see page 493)**			

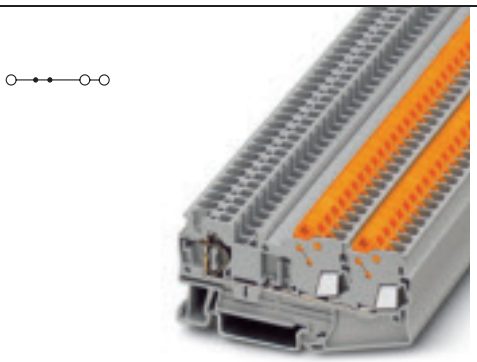


QTCS 1,5-TWIN ...

Ex: KEMA
KEMA 04ATEX2226 U / IECEx KEM 07.0007U

Width	Length	Height NS 35/7,5	
5.2	**71.6**	**39.3**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
17.5[1])	**800**	**0.08 - 4**	**28 - 12**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800	600	-	550
17.5 / 1.5	10 / -	- / -	- / 4
1.5	-	-	4
24 - 16	24-16	-	24 - 16
0.5 - 1.5			
0.25 - 0.34			
24 - 16			
100			
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800	600	-	550
17.5 / 1.5	10 / -	- / -	- / 4
1.5	-	-	4
28 - 12	24-16	-	24 - 16
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
10			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
QTCS 1,5-TWIN		**3206348**	50
QTCS 1,5-TWIN BU		**3206351**	50
D-QTCS 1,5-TWIN		**3206403**	50
DS-QTC 1,5		**3205200**	50
FBS 2-5	24 A	**3030161**	50
FBS 5-5	24 A	**3030190**	50
FBS 20-5	24 A	**3030226**	10
ATP-QTC TWIN		**3206212**	50
PS-5		**3030983**	10
SZF 1-0,6X3,5		**1204517**	10
UC-TM 5 (see page 479)			
UC-TMF 5 (see page 482)			
ZB 5 (see page 487)			
ZBF 5 (see page 492)			



QTCS 2,5-TWIN ...

Ex: KEMA
KEMA 05ATEX2148 U / IECEx KEM 07.0010U

Width	Length	Height NS 35/7,5	
6.2	**79.6**	**39.3**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
24[1])	**800**	**0.08 - 6**	**28 - 10**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800	600	-	550
24 / 2.5	15 / -	- / -	22.5 / 2.5 // 22.5 / 2.5
2.5	-	-	2.5
20 - 14	20-14	-	20 - 14
0.5 - 2.5			
-			
20 - 14			
100			
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800	600	-	550
24 / 2.5	15 / -	- / -	22.5 / 2.5 // 22.5 / 2.5
2.5	-	-	2.5
28 - 10	20-14	-	20 - 14
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4 0.5 - 1
10			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
QTCS 2,5-TWIN		**3050332**	50
QTCS 2,5-TWIN BU		**3050345**	50
D-QTCS 2,5 TWIN		**3050523**	50
DS-QTC 2,5		**3206607**	50
FBS 2-6	32 A	**3030336**	50
FBS 5-6	32 A	**3030349**	50
FBS 20-6	32 A	**3030365**	10
ATP-QTC TWIN		**3206212**	50
PS-6		**3030996**	10
SZF 1-0,6X3,5		**1204517**	10
UC-TM 6 (see page 479)			
UC-TMF 6 (see page 483)			
ZB 6 (see page 487)			
ZBF 6 (see page 493)			



QTTCBS 1,5 ...

Width	Length	Height NS 35/7,5	
5.2	**88.2**	**49.9**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
17.5	**500**	**0.08 - 4**	**28 - 12**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	300	-	-
17.5 / 1.5	10 / -	- / -	-
1.5	-	-	
24 - 16	24-16	-	-
0.5 - 1.5			
0.25 - 0.34			
24 - 16			
100			
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	300	-	-
17.5 / 1.5	10 / -	- / -	-
1.5	-	-	
28 - 12	24-16	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
10			
PA			
V0			

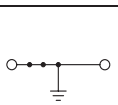
Type	I_{max}	Order No.	Pcs. / Pkt.
QTTCBS 1,5		**3050222**	50
QTTCBS 1,5 BU		**3050235**	50
QTTCBS 1,5-PV		**3206380**	50
D-QTTCBS 1,5		**3206335**	50
FBS 2-5	24 A	**3030161**	50
FBS 5-5	24 A	**3030190**	50
FBS 20-5	24 A	**3030226**	10
FBS-PV		**3032185**	50
ATP-QTTCB		**3206238**	50
PS-5		**3030983**	10
SZF 1-0,6X3,5		**1204517**	10
UC-TMF 5 (see page 482)			
ZBF 5 (see page 492)			

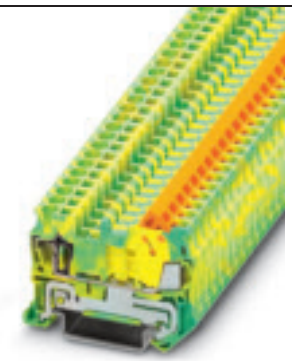
Hybrid ground terminal blocks
QTCS ...-PE

Current carrying capacity of DIN rails, see page 728.

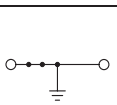
For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

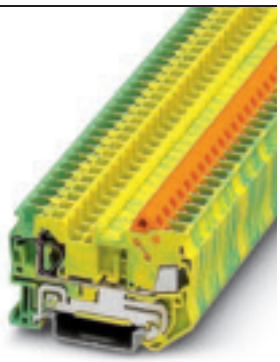
[1]) For information on installation for using accessories for Ex e applications, see page 720.





QTCS 1,5-PE





QTCS 2,5-PE

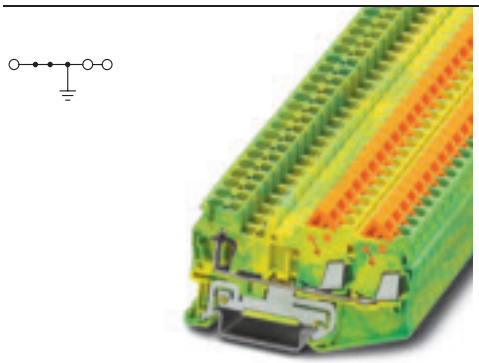
		Ex: KEMA 04ATEX2226 U / IECEx KEM 07.0007U				Ex: KEMA 05ATEX2148 U / IECEx KEM 07.0010U			
Dimensions		Width	Length	Height NS 35/7,5		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**54.4**	**39.3**		**6.2**	**59.7**	**39.3**	
Max. electrical data				Max. Ø [mm²]	AWG			Max. Ø [mm²]	AWG
				0.08 - 4	**28 - 12**			**0.08 - 6**	**28 - 10**
Rated data, fast connection		IEC 60947-7-2 IEC	UL / CUL	CSA	IEC/ EN 60079-7	IEC 60947-7-2 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	-	-	-	-	-	-	-	-
Nominal current / cross-section	[A] / [mm²]	- / -	- / -	- / -	- / 4	- / -	- / -	- / -	- / 2.5
Rated cross-section	[mm²]	1.5	-	-	4	2.5	-	-	2.5
Cross-section range	AWG	24 - 16	24-16	-	24 - 16	20 - 14	20-14	-	20 - 14
Connection cross-section in acc. with DIN VDE 0295									
H05V(Z) / H07V(Z)	[mm²]	0.5 - 1.5				0.5 - 2.5			
Class 5 / class 6 [litz wires Ø ≥ 0.1 mm]	[mm²]	0.25 - 0.34				-			
[Litz wires Ø ≥ 0.19 mm]	AWG	24 - 16				20 - 14			
Frequency of connections with the same cross-section		100				100			
Rated data, spring-cage connection		IEC 60947-7-2 IEC	UL / CUL	CSA	IEC/ EN 60079-7	IEC 60947-7-2 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	-	-	-	-	-	-	-	-
Nominal current / cross-section	[A] / [mm²]	- / -	- / -	- / -	- / 4	- / -	- / -	- / -	- / 2.5
Rated cross-section	[mm²]	1.5	-	-	4	2.5	-	-	2.5
Cross-section range	AWG	28 - 12	24-16	-	24 - 16	28 - 10	20-14	-	20 - 14
Connection capacity, spring-cage connection		Solid	Stranded	Ferrule without / with plastic sleeve		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5	0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4
Two conductors with a TWIN ferrule	[mm²]				0.5				0.5 - 1
General data									
Stripping length	[mm]	10				10			
Insulating material		PA				PA			
Inflammability class acc. to UL 94		V0				V0			

Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Ground terminal block, for mounting on NS 35...		Green-yellow	**QTCS 1,5-PE**	**3050154**	50	**QTCS 2,5-PE**	**3206526**	50

Accessories[1])

Cover, width 2.2 mm		Gray	**D-QTCS 1,5**	**3206270**	50	**D-QTCS 2,5**	**3206584**	50
End cover segment, for covering multi-conductor terminal blocks when two-conductor terminal blocks are aligned		Gray						
Plug-in bridge for cross connections in the bridge shaft								
	2	Red	**FBS 2-5**	**3030161**	50	**FBS 2-6**	**3030336**	50
	3	Red	**FBS 3-5**	**3030174**	50	**FBS 3-6**	**3030242**	50
	4	Red	**FBS 4-5**	**3030187**	50	**FBS 4-6**	**3030255**	50
	5	Red	**FBS 5-5**	**3030190**	50	**FBS 5-6**	**3030349**	50
	10	Red	**FBS 10-5**	**3030213**	10	**FBS 10-6**	**3030271**	10
	20	Red	**FBS 20-5**	**3030226**	10	**FBS 20-6**	**3030365**	10
Partition plate, for visual and electrical separation of terminal groups, 2 mm thick		Gray	**ATP-QTC**	**3206209**	50	**ATP-QTC**	**3206209**	50
Modular test plug, for the individual assembly of test plug strips		Red	**PS-5**	**3030983**	10	**PS-6**	**3030996**	10
Screwdriver			**SZF 1-0,6X3,5**	**1204517**	10	**SZF 1-0,6X3,5**	**1204517**	10
UniCard sheet, for labeling the center groove			**UC-TM 5 (see page 479)**			**UC-TM 6 (see page 479)**		
UniCard sheet, for labeling the center and side grooves			**UC-TMF 5 (see page 482)**			**UC-TMF 6 (see page 483)**		
Zack markers, for labeling the center groove			**ZB 5 (see page 487)**			**ZB 6 (see page 487)**		
Zack marker strip, flat, for labeling the center and lateral grooves			**ZBF 5 (see page 492)**			**ZBF 6 (see page 493)**		



QTCS 1,5-TWIN-PE

Ex: KEMA

KEMA 04ATEX2226 U / IECEx KEM 07.0007U

Width	Length	Height NS 35/7,5	
5.2	**71.6**	**39.3**	
		Max. Ø [mm²]	AWG
		0.08 - 4	**28 - 12**

IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	- / 4
1.5	-	-	4
24 - 16	24-16	-	24 - 16

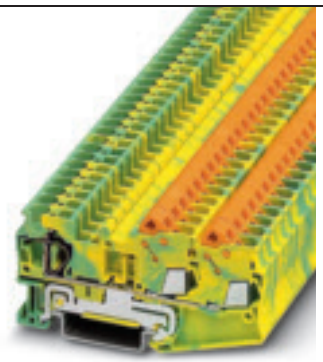
0.5 - 1.5
0.25 - 0.34
24 - 16
100

IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	- / 4
1.5	-	-	4
28 - 12	24-16	-	24 - 16

Solid	Stranded	Ferrule	
		without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
			0.5

10
PA
V0

Type	Order No.	Pcs. / Pkt.
QTCS 1,5-TWIN-PE	**3206364**	50
D-QTCS 1,5-TWIN	**3206403**	50
DS-QTC 1,5	**3205200**	50
FBS 2-5	**3030161**	50
FBS 3-5	**3030174**	50
FBS 4-5	**3030187**	50
FBS 5-5	**3030190**	50
FBS 10-5	**3030213**	10
FBS 20-5	**3030226**	10
ATP-QTC TWIN	**3206212**	50
PS-5	**3030983**	10
SZF 1-0,6X3,5	**1204517**	10
UC-TM 5 (see page 479)		
UC-TMF 5 (see page 482)		
ZB 5 (see page 487)		
ZBF 5 (see page 492)		



QTCS 2,5-TWIN-PE

Ex: KEMA

KEMA 05ATEX2148 U / IECEx KEM 07.0010U

Width	Length	Height NS 35/7,5	
6.2	**79.6**	**39.3**	
		Max. Ø [mm²]	AWG
		0.08 - 6	**28 - 10**

IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	- / 2.5
2.5	-	-	2.5
20 - 14	20-14	-	20 - 14

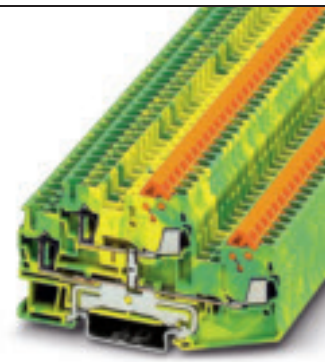
0.5 - 2.5
-
20 - 14
100

IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	- / 2.5
2.5	-	-	2.5
28 - 10	20-14	-	20 - 14

Solid	Stranded	Ferrule	
		without / with plastic sleeve	
0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4
			0.5 - 1

10
PA
V0

Type	Order No.	Pcs. / Pkt.
QTCS 2,5-TWIN-PE	**3050358**	50
D-QTCS 2,5 TWIN	**3050523**	50
DS-QTC 2,5	**3206607**	50
FBS 2-6	**3030336**	50
FBS 3-6	**3030242**	50
FBS 4-6	**3030255**	50
FBS 5-6	**3030349**	50
FBS 10-6	**3030271**	10
FBS 20-6	**3030365**	10
ATP-QTC TWIN	**3206212**	50
PS-6	**3030996**	10
SZF 1-0,6X3,5	**1204517**	10
UC-TM 6 (see page 479)		
UC-TMF 6 (see page 483)		
ZB 6 (see page 487)		
ZBF 6 (see page 493)		



QTTCBS 1,5-PE

Width	Length	Height NS 35/7,5	
5.2	**88.2**	**49.9**	
		Max. Ø [mm²]	AWG
		0.08 - 4	**28 - 12**

IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	-
1.5	-	-	
24 - 16	24-16	-	-

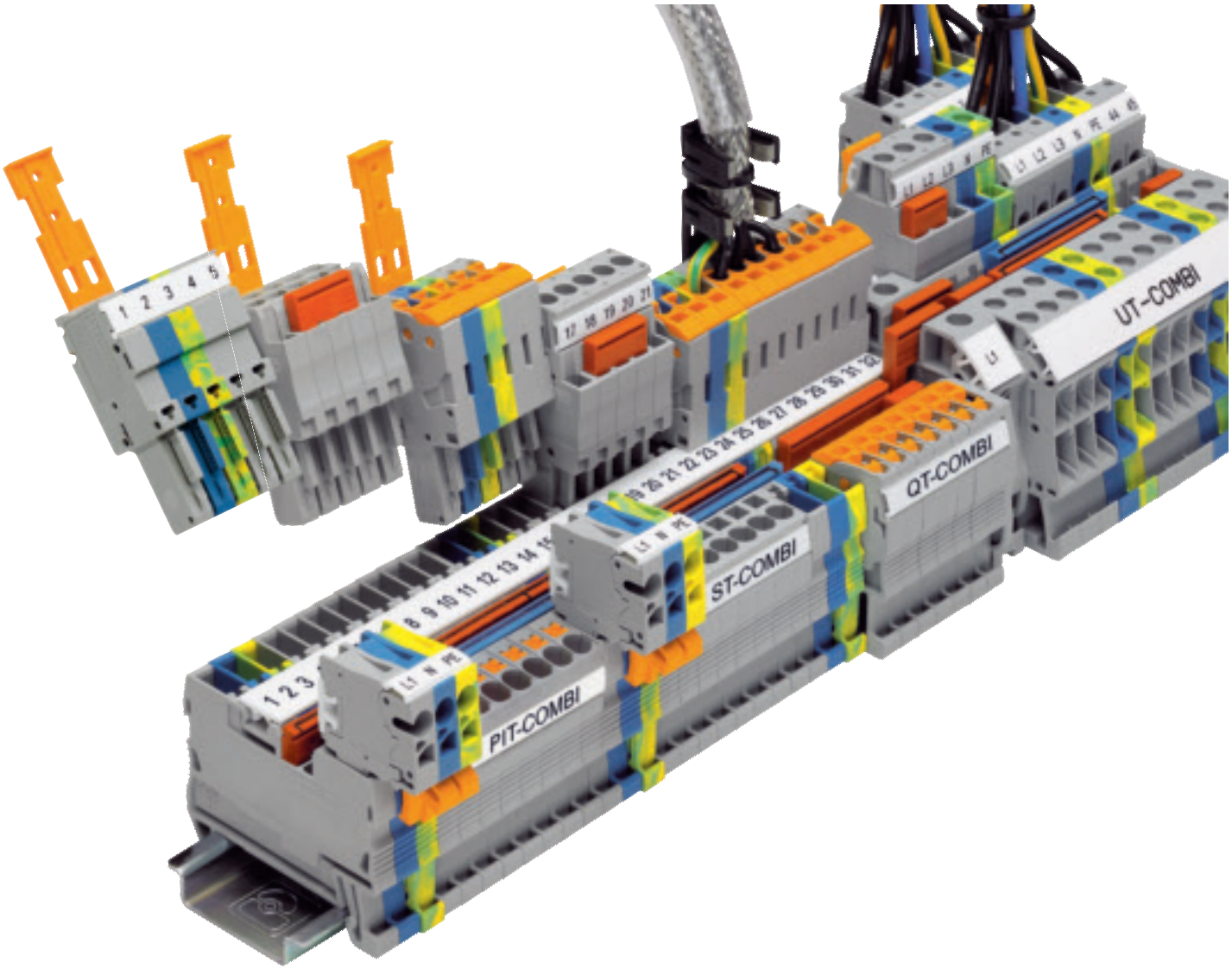
0.5 - 1.5
0.25 - 0.34
24 - 16
100

IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	-
1.5	-	-	
28 - 12	24-16	-	-

Solid	Stranded	Ferrule	
		without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
			0.5

10
PA
V0

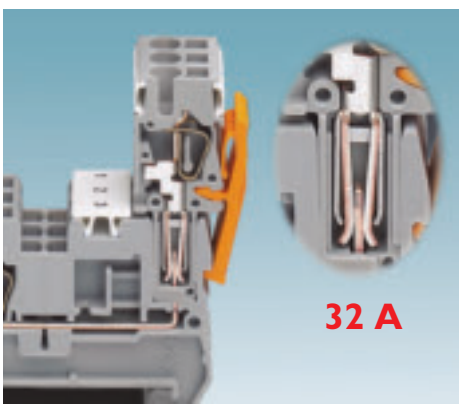
Type	Order No.	Pcs. / Pkt.
QTTCBS 1,5-PE	**3050248**	50
D-QTTCBS 1,5	**3206335**	50
FBS 2-5	**3030161**	50
FBS 3-5	**3030174**	50
FBS 4-5	**3030187**	50
FBS 5-5	**3030190**	50
FBS 10-5	**3030213**	10
FBS 20-5	**3030226**	10
ATP-QTTCB	**3206238**	50
PS-5	**3030983**	10
SZF 1-0,6X3,5	**1204517**	10
UC-TMF 5 (see page 482)		
ZBF 5 (see page 492)		





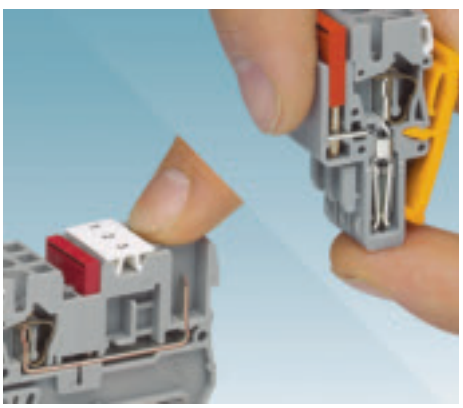
Flexible and pluggable

The COMBI family offers a free selection of connection methods. With the standardized COMBI plug-in zone, terminal blocks and connectors can be combined independently of the connection method.



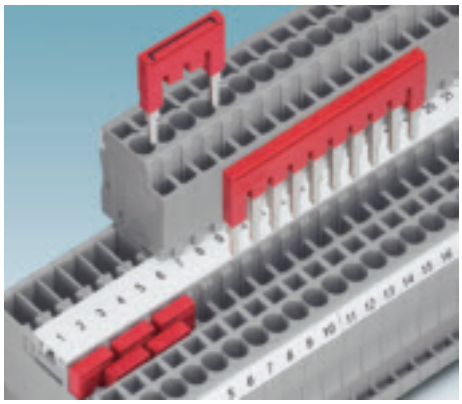
Powerful contact

With the COMBI range plug-in system, pluggable wiring up to a nominal current of 32 A and a nominal voltage of 800 V is possible. The contact system meets the most stringent vibration requirements thanks to the integrated covering spring.

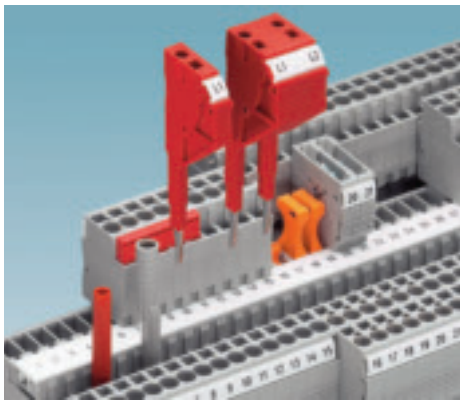


Touch proof

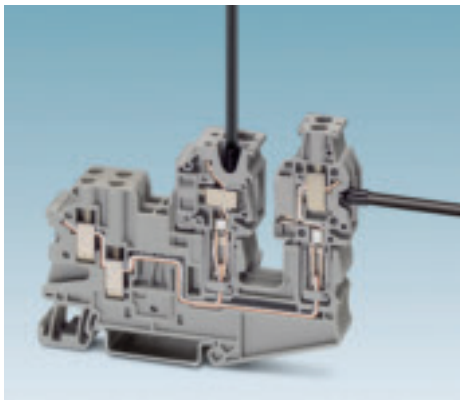
The COMBI system offers the highest levels of protection for users, as both the basic terminal blocks and the connectors are touch proof. In addition to the safety aspect, this allows for great configuration flexibility: The supply can be input via either the terminal blocks or the connectors.



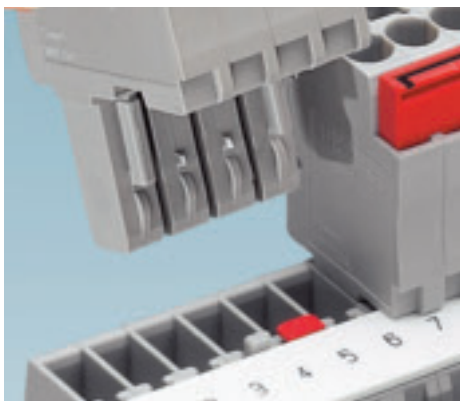
The standardized bridge system permits efficient connection of up to 50 terminal blocks with a bridge to suit application requirements. Bridging between non-adjacent terminals is possible by removing individual teeth.



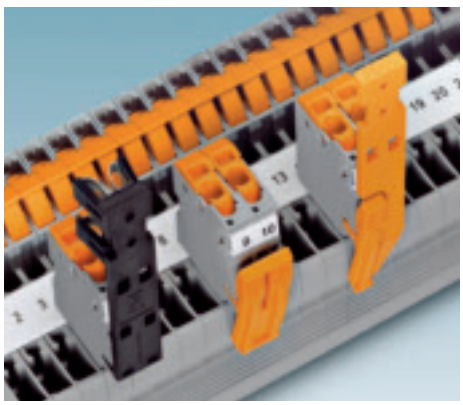
A 2.3 mm Ø test plug is available for measuring lines. All the measurement and testing tasks can be completed faster using test adapters for 4 mm Ø test plugs and the modular test plugs.



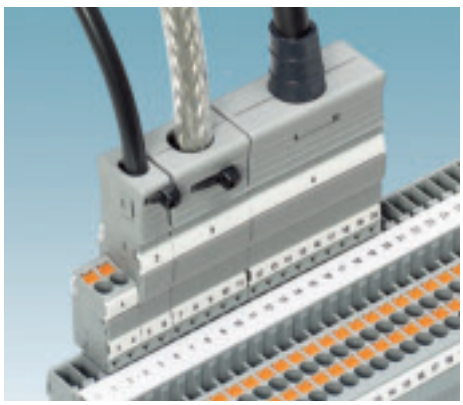
Connectors with varying conductor exit directions – lateral or upwards – enable practical, efficient wiring. This achieves high flexibility that is suitable for various areas of application.



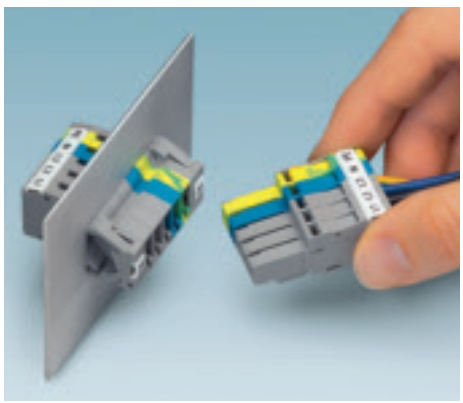
The easy and individual coding option increases the wiring safety and provides protection against incorrect plugging. To do this, the pin must be removed from the connector, turned around and inserted in the basic terminal block.



Snap-on strain reliefs are available if required to relieve the conductors at the connectors. There are snap-lock fittings for permanently securing the connectors on the basic terminal blocks.



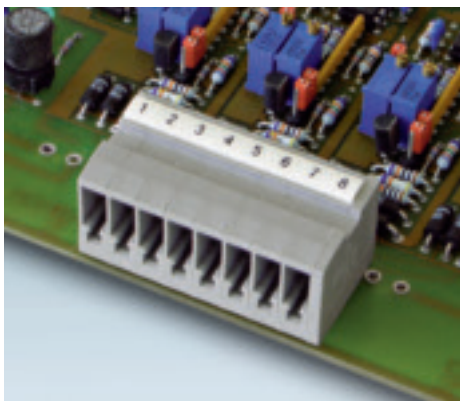
The cable housings provide rugged strain relief. They are easy to install thanks to the two-part housing design and snap on safely on the COMBI connectors provided for them. Bending protection sleeves and shield connection are available as accessories.



Effective panel feed-throughs can be implemented by simply snapping the SSL panel feed-through onto the standard coupling. The panel feed-through is pushed into the cutout and engages automatically.



The DIN-rail mountable coupling version provides a solution for applications with a low height. With the integrated duo foot, mounting on both NS 15 and also NS 35 DIN rails is possible.



The COMBI base strip provides a PLC connection that can be aligned. Universal pluggable solutions from the DIN rail through to the device can therefore be implemented with the same connector.

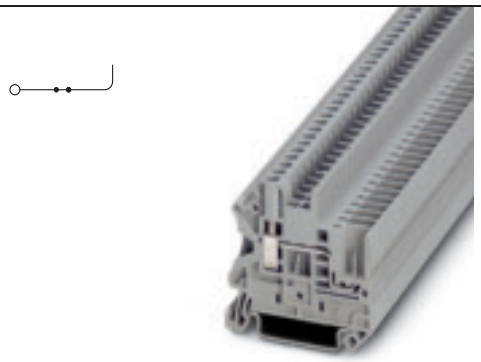
Feed-through terminal blocks with screw connection UT-COMBI

Using the COMBI plug-in system, pluggable wiring of UT screw connection terminal blocks up to a nominal current of 32 A and a nominal voltage of 800 V is possible.

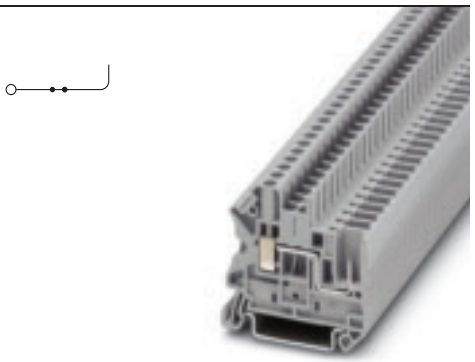
For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) The max. load current must not be exceeded by the total current of all connected conductors.

[2]) For derating curve, see page 308.



UT 2,5/1P ...



UT 4/1P ...

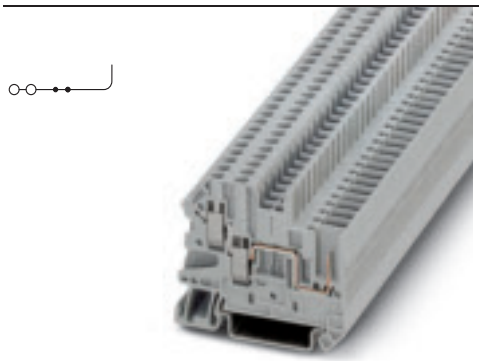
Dimensions		Width	Length	Height NS 35/7,5		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**47.6**	**47.5**		**6.2**	**47.6**	**47.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG	$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		24[2])	**500**	**0.14 - 4**	**26 - 12**	**32[2])**	**800**	**0.14 - 6**	**26 - 10**
Rated data		IEC 61984 IEC	UL / CUL	CSA	IEC/ EN 60079-7	IEC 61984 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	300	300	-	800	600	-	-
Nominal current / cross-section	[A] / [mm²]	24[2]) / 2.5	20 / -	20 / -	-	32[2]) / 4	30 / -	- / -	-
Rated cross-section	[mm²]	2.5	-	-	-	4	-	-	-
Cross-section range	AWG	26 - 12	26-12	26-12	-	26 - 10	26-10	-	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
Two conductors (of the same type)	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1.5				0.5 - 2.5
General data									
Stripping length	[mm]	9				9			
Screw thread		M3				M3			
Tightening torque	[Nm]	0.5 - 0.6				0.6 - 0.8			
Insulating material		PA				PA			
Inflammability class acc. to UL 94		V0				V0			

Ordering data

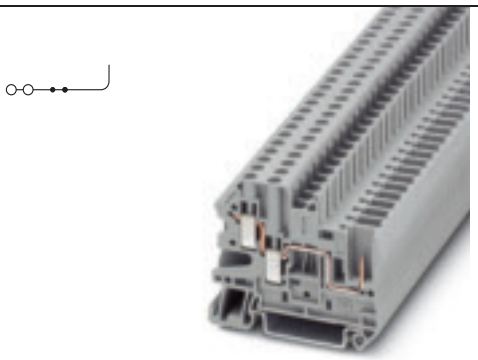
Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		Gray	**UT 2,5/1P**		**3045017**	50	**UT 4/ 1P**		**3045583**	50
		Blue	**UT 2,5/1P BU**		**3045020**	50	**UT 4/ 1P BU**		**3045596**	50

Accessories

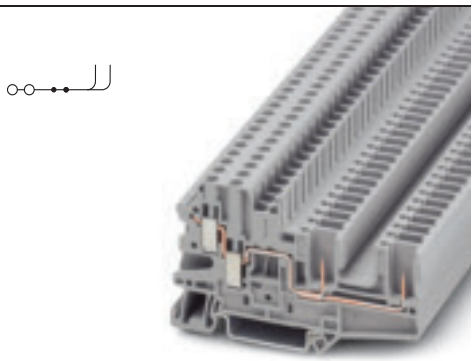
Cover, width 2.2 mm		Gray	**D-UT 2,5/1P**		**3047154**	50	**D-UT 2,5/1P**		**3047154**	50
Plug-in bridge for cross connections in the bridge shaft										
	2	Red	**FBS 2-5**	24 A	**3030161**	50	**FBS 2-6**	32 A	**3030336**	50
	3	Red	**FBS 3-5**	24 A	**3030174**	50	**FBS 3-6**	32 A	**3030242**	50
	4	Red	**FBS 4-5**	24 A	**3030187**	50	**FBS 4-6**	32 A	**3030255**	50
	5	Red	**FBS 5-5**	24 A	**3030190**	50	**FBS 5-6**	32 A	**3030349**	50
	10	Red	**FBS 10-5**	24 A	**3030213**	10	**FBS 10-6**	32 A	**3030271**	10
	20	Red	**FBS 20-5**	24 A	**3030226**	10	**FBS 20-6**	32 A	**3030365**	10
Partition plate, for visual and electrical separation of terminal groups, 2 mm thick		Gray	**ATP-UT**		**3047167**	50	**ATP-UT**		**3047167**	50
Screw flange, for UT COMBI terminal blocks, for UT 2,5/1P, UT 2,5/1P-PE		Gray	**UT 2,5/1P-F**		**3060445**	50	**UT 4/ 1P-F**		**3060458**	50
Test adapter, for 4 mm Ø PS test plug and 4 mm safety test plug, makes contact in the bridge shaft		Gray	**PAI-4**		**3030925**	10	**PAI-4**		**3030925**	10
Test plug, consisting of: metal part for 2.3 mm Ø socket hole and			**MPS-MT**		**0201744**	10	**MPS-MT**		**0201744**	10
insulating sleeve for MPS metal part		Red	**MPS-IH RD**		**0201676**	10	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		Red	**PS-5**		**3030983**	10	**PS-6**		**3030996**	10
Warning sign for UT series		Yellow	**WS UT 2,5**		**3047923**	10	**WS UT 4**		**3047332**	10
Coding star, with 4 coding branches, can be inserted in all basic terminal blocks		Red	**PC**		**3040588**	50	**PC**		**3040588**	50
Screwdriver			**SZS 0,6X3,5**		**1205053**	10	**SZS 0,6X3,5**		**1205053**	10
UniCard sheet, for labeling the lateral groove			**UC-TM 5 (see page 479)**				**UC-TM 6 (see page 479)**			
Zack marker strip, for labeling the lateral groove			**ZB 5 (see page 487)**				**ZB 6 (see page 487)**			



UT 2,5-TWIN/1P ...



UT 4-TWIN/ 1P ...



UT 4-QUATTRO/ 2P ...

Width	Length	Height NS 35/7,5	
5.2	**55.7**	**47.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
24[1])	**500**	**0.14 - 4**	**26 - 12**
IEC 61984			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	-	-	-
24[2]) / 2.5	- / -	- / -	-
2.5	-	-	-
26 - 12	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5
0.14 - 1.5	0.14 - 1.5	0.14 - 1	-
			0.5 - 1
9			
M3			
0.5 - 0.6			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
UT 2,5-TWIN/1P		**3060490**	50
UT 2,5-TWIN/1P BU		**3060500**	50
D-UT 4-TWIN/ 1P		**3045237**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
ATP-UT-QUATTRO		**3047196**	50
UT 2,5-TWIN/1P-F		**3061172**	50
PAI-4		**3030925**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
WS UT 2,5		**3047923**	10
PC		**3040588**	50
SZS 0,6X3,5		**1205053**	10
UC-TM 5 (see page 479)			
ZB 5 (see page 487)			

Width	Length	Height NS 35/7,5	
6.2	**55.7**	**47.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
32[1])	**500**	**0.14 - 6**	**26 - 10**
IEC 61984			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	600	-	-
32[2]) / 4	30 / -	- / -	-
4	-	-	-
26 - 10	26-10	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
			0.5 - 1
9			
M3			
0.6 - 0.8			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
UT 4-TWIN/ 1P		**3060267**	50
UT 4-TWIN/ 1P BU		**3060270**	50
D-UT 4-TWIN/ 1P		**3045237**	50
FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 10-6	32 A	**3030271**	10
FBS 20-6	32 A	**3030365**	10
ATP-UT-QUATTRO		**3047196**	50
UT 4-TWIN/ 1P-F		**3060322**	50
PAI-4		**3030925**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
WS UT 4		**3047332**	10
PC		**3040588**	50
SZS 0,6X3,5		**1205053**	10
UC-TM 6 (see page 479)			
ZB 6 (see page 487)			

Width	Length	Height NS 35/7,5	
6.2	**82.4**	**47.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
32[1])	**500**	**0.14 - 6**	**26 - 10**
IEC 61984			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	600	-	-
32[2]) / 4	30 / -	- / -	-
4	-	-	-
26 - 10	26-10	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
			0.5 - 1
9			
M3			
0.6 - 0.8			
PA			
V0			

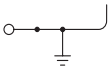
Type	I_{max}	Order No.	Pcs. / Pkt.
UT 4-QUATTRO/ 2P		**3060296**	50
UT 4-QUATTRO/ 2P BU		**3060306**	50
D-UT 4-QUATTRO/ 2P		**3045648**	50
FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 10-6	32 A	**3030271**	10
FBS 20-6	32 A	**3030365**	10
ATP-UT-QUATTRO		**3047196**	50
UT 4-QUATTRO/ 2P-F		**3060335**	50
PAI-4		**3030925**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
WS UT 4		**3047332**	10
PC		**3040588**	50
SZS 0,6X3,5		**1205053**	10
UC-TM 6 (see page 479)			
ZB 6 (see page 487)			

Ground terminal blocks with screw connection UT-COMBI

There is also a ground terminal block with the same shape as the basic terminal block. Contacting is guaranteed by simply snapping the terminal block onto the rail. The requirements of IEC 61984 and IEC 60947-7-2 are thereby met.

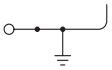
Current carrying capacity of DIN rails, see page 728.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.





UT 2,5/1P-PE





UT 4/1P-PE

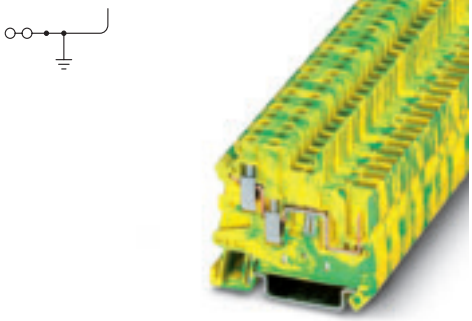
Dimensions		Width	Length	Height NS 35/7,5			Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**47.6**	**47.5**			**6.2**	**47.6**	**47.5**	
Max. electrical data				Max. Ø [mm²]	AWG				Max. Ø [mm²]	AWG
				0.14 - 4	**26 - 12**				**0.14 - 6**	**26 - 10**
Rated data		IEC 61984 IEC	UL / CUL	CSA	IEC/ EN 60079-7		IEC 61984 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	-	-	-	-		-	-	-	-
Nominal current / cross-section	[A] / [mm²]	- / -	- / -	- / -	-		- / -	- / -	- / -	-
Rated cross-section	[mm²]	2.5	-	-	-		4	-	-	-
Cross-section range	AWG	26 - 12	26-12	26-12	-		26 - 10	26-10	-	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve			Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5		0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
Two conductors (of the same type)	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-		0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1.5					0.5 - 2.5
General data										
Stripping length	[mm]	9					9			
Screw thread		M3					M3			
Tightening torque	[Nm]	0.5 - 0.6					0.6 - 0.8			
Insulating material		PA					PA			
Inflammability class acc. to UL 94		V0					V0			

Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Ground terminal block, for mounting on NS 35...		Green-yellow	**UT 2,5/1P-PE**	**3045033**	50	**UT 4/ 1P-PE**	**3045606**	50

Accessories

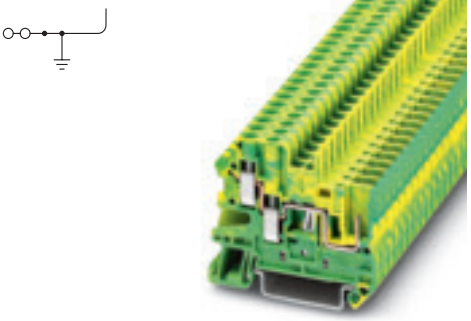
Cover, width 2.2 mm		Gray	**D-UT 2,5/1P**	**3047154**	50	**D-UT 2,5/1P**	**3047154**	50
Plug-in bridge for cross connections in the bridge shaft								
	2	Red	**FBS 2-5**	**3030161**	50	**FBS 2-6**	**3030336**	50
	3	Red	**FBS 3-5**	**3030174**	50	**FBS 3-6**	**3030242**	50
	4	Red	**FBS 4-5**	**3030187**	50	**FBS 4-6**	**3030255**	50
	5	Red	**FBS 5-5**	**3030190**	50	**FBS 5-6**	**3030349**	50
	10	Red	**FBS 10-5**	**3030213**	10	**FBS 10-6**	**3030271**	10
	20	Red	**FBS 20-5**	**3030226**	10	**FBS 20-6**	**3030365**	10
Partition plate, for visual and electrical separation of terminal groups, 2 mm thick		Gray	**ATP-UT**	**3047167**	50	**ATP-UT**	**3047167**	50
Screw flange, for UT COMBI terminal blocks, for UT 2,5/1P, UT 2,5/1P-PE		Gray	**UT 2,5/1P-F**	**3060445**	50	**UT 4/ 1P-F**	**3060458**	50
Test adapter, for 4 mm Ø PS test plug and 4 mm safety test plug, makes contact in the bridge shaft		Gray	**PAI-4**	**3030925**	10	**PAI-4**	**3030925**	10
Test plug, consisting of: metal part for 2.3 mm Ø socket hole and			**MPS-MT**	**0201744**	10	**MPS-MT**	**0201744**	10
insulating sleeve for MPS metal part		Red	**MPS-IH RD**	**0201676**	10	**MPS-IH RD**	**0201676**	10
Modular test plug, for the individual assembly of test plug strips		Red	**PS-5**	**3030983**	10	**PS-6**	**3030996**	10
Warning sign for UT series		Yellow	**WS UT 2,5**	**3047923**	10	**WS UT 4**	**3047332**	10
Coding star, with 4 coding branches, can be inserted in all basic terminal blocks		Red	**PC**	**3040588**	50	**PC**	**3040588**	50
Screwdriver			**SZS 0,6X3,5**	**1205053**	10	**SZS 0,6X3,5**	**1205053**	10
UniCard sheet, for labeling the lateral groove			**UC-TM 5 (see page 479)**			**UC-TM 6 (see page 479)**		
Zack marker strip, for labeling the lateral groove			**ZB 5 (see page 487)**			**ZB 6 (see page 487)**		



UT 2,5-TWIN/1P-PE

Width	Length	Height NS 35/7,5	
5.2	**55.7**	**47.5**	
		Max. Ø [mm²]	AWG
		0.14 - 4	**26 - 12**
IEC 61984			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	-
2.5	-	-	-
26 - 12	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5
0.14 - 1.5	0.14 - 1.5	0.14 - 1	-
			0.5 - 1
9			
M3			
0.5 - 0.6			
PA			
V0			

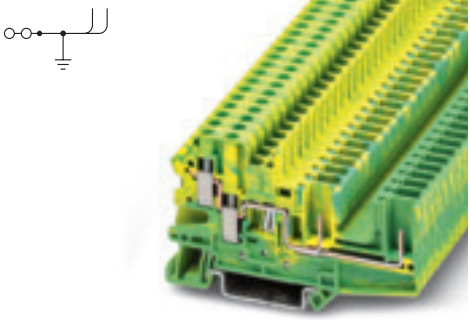
Type	Order No.	Pcs. / Pkt.
UT 2,5-TWIN/1P-PE	**3060513**	50
D-UT 4-TWIN/ 1P	**3045237**	50
FBS 2-5	**3030161**	50
FBS 3-5	**3030174**	50
FBS 4-5	**3030187**	50
FBS 5-5	**3030190**	50
FBS 10-5	**3030213**	10
FBS 20-5	**3030226**	10
ATP-UT-QUATTRO	**3047196**	50
UT 4-TWIN/ 1P-F	**3060322**	50
PAI-4	**3030925**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-5	**3030983**	10
WS UT 2,5	**3047923**	10
PC	**3040588**	50
SZS 0,6X3,5	**1205053**	10
UC-TM 5 (see page 479)		
ZB 5 (see page 487)		



UT 4-TWIN/ 1P-PE

Width	Length	Height NS 35/7,5	
6.2	**55.7**	**47.5**	
		Max. Ø [mm²]	AWG
		0.14 - 6	**26 - 10**
IEC 61984			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	-
4	-	-	-
26 - 10	26-10	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
			0.5 - 1
9			
M3			
0.6 - 0.8			
PA			
V0			

Type	Order No.	Pcs. / Pkt.
UT 4-TWIN/ 1P-PE	**3060283**	50
D-UT 4-TWIN/ 1P	**3045237**	50
FBS 2-6	**3030336**	50
FBS 3-6	**3030242**	50
FBS 4-6	**3030255**	50
FBS 5-6	**3030349**	50
FBS 10-6	**3030271**	10
FBS 20-6	**3030365**	10
ATP-UT-QUATTRO	**3047196**	50
UT 4-TWIN/ 1P-F	**3060322**	50
PAI-4	**3030925**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-6	**3030996**	10
WS UT 4	**3047332**	10
PC	**3040588**	50
SZS 0,6X3,5	**1205053**	10
UC-TM 6 (see page 479)		
ZB 6 (see page 487)		



UT 4-QUATTRO/ 2P-PE

Width	Length	Height NS 35/7,5	
6.2	**82.4**	**47.5**	
		Max. Ø [mm²]	AWG
		0.14 - 6	**26 - 10**
IEC 61984			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	-
4	-	-	-
26 - 10	26-10	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
			0.5 - 1
9			
M3			
0.6 - 0.8			
PA			
V0			

Type	Order No.	Pcs. / Pkt.
UT 4-QUATTRO/ 2P-PE	**3060319**	50
D-UT 4-QUATTRO/ 2P	**3045648**	50
FBS 2-6	**3030336**	50
FBS 3-6	**3030242**	50
FBS 4-6	**3030255**	50
FBS 5-6	**3030349**	50
FBS 10-6	**3030271**	10
FBS 20-6	**3030365**	10
ATP-UT-QUATTRO	**3047196**	50
UT 4-QUATTRO/ 2P-F	**3060335**	50
PAI-4	**3030925**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-6	**3030996**	10
WS UT 4	**3047332**	10
PC	**3040588**	50
SZS 0,6X3,5	**1205053**	10
UC-TM 6 (see page 479)		
ZB 6 (see page 487)		

Multi-level terminal blocks with screw connection UT-COMBI

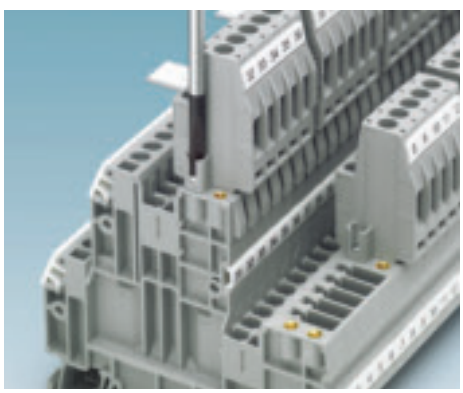
In practice, three conductors often have to be led to one terminal block. This requirement can be met using the TWIN version without any additional terminal blocks or bridges.

The potentials of the pluggable UTTB 2,5/2P... double-level terminal blocks routed on two levels reduce space requirements by 50% compared with single-level terminal blocks. In order to execute different switching tasks, both the levels of the UTTB 2,5/2P series have been provided with a double bridge shaft. These levels can be bridged with each other as desired using the plug-in bridge system.
Supply with heavy-duty connectors in the control cabinet can thus be replaced with the pluggable double-level terminal block.

The SP..., UP..., QP..., and PP... connectors suitable for UT-COMBI terminal blocks are documented, see page 276.

UTTB ...-F screw flanges

The UTTB ...-F screw flanges are snapped onto the DIN rail directly. They have the same shape as that of the corresponding basic terminal blocks. Due to the offset arrangement of the screw sockets, only one basic flange is required between two neighboring connectors at a time.



Current carrying capacity of DIN rails, see page 728.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) The max. load current must not be exceeded by the total current of all connected conductors.

[2]) For derating curve, see page 308.



UTTB 2,5/2P ...

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**74.3**	**65**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		24[2])	**500**	**0.14 - 4**	**26 - 12**
Rated data		IEC 61984 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	-	-	-
Nominal current / cross-section	[A] / [mm²]	24[2]) / 2.5	- / -	- / -	-
Rated cross-section	[mm²]	2.5	-	-	-
Cross-section range	AWG	26 - 12	-	-	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5
Two conductors (of the same type)	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1.5
General data					
Stripping length	[mm]	9			
Screw thread		M3			
Tightening torque	[Nm]	0.5 - 0.6			
Insulating material		PA			
Inflammability class acc. to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35		Gray	**UTTB 2,5/2P**		**3060351**	50
		Blue	**UTTB 2,5/2P BU**		**3060364**	50
Terminal block, with equipotential bonder, for mounting on NS 35...[1])		Gray				
		Blue				
Ground terminal block, for mounting on NS 35...		Green-yellow				

Accessories

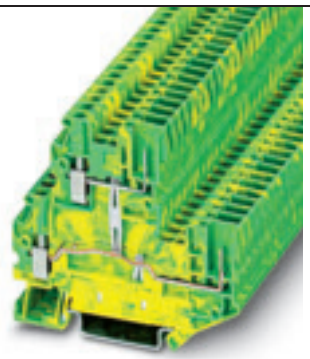
Cover, width 2.2 mm		Gray	**D-UTTB 2,5/4 2P**		**3060393**	50
Spacer plate, compensates for level offset if standard terminal blocks are to be fitted adjacently, 2.5 mm thick		Gray	**DP-UTTB 2,5/4**		**3047303**	50
Plug-in bridge for cross connections in the bridge shaft						
	2	Red	**FBS 2-5**	24 A	**3030161**	50
	3	Red	**FBS 3-5**	24 A	**3030174**	50
	4	Red	**FBS 4-5**	24 A	**3030187**	50
	5	Red	**FBS 5-5**	24 A	**3030190**	50
	10	Red	**FBS 10-5**	24 A	**3030213**	10
	20	Red	**FBS 20-5**	24 A	**3030226**	10
Vertical potential bridge, to connect the upper and lower level		Black	**FBS-PV UT**		**3047358**	50
Partition plate, for visual and electrical separation of terminal groups, 2 mm thick		Gray	**ATP-UTTB 2,5/4**		**3047316**	50
Screw flange		Gray	**UTTB 2,5/2P-F**		**3060474**	50
Test plug, consisting of: metal part for 2.3 mm Ø socket hole and			**MPS-MT**		**0201744**	10
insulating sleeve for MPS metal part		Red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		Red	**PS-5**		**3030983**	10
Screwdriver			**SZS 0,6X3,5**		**1205053**	10
UniCard sheet, for labeling the lateral groove			**UC-TM 5 (see page 479)**			
Zack marker strip, for labeling the lateral groove			**ZB 5 (see page 487)**			





UTTB 2,5/2P-PV ...





UTTB 2,5/2P-PE

Width	Length	Height NS 35/7,5	
5.2	**74.3**	**65**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
24[1])	**500**	**0.14 - 4**	**26 - 12**
IEC 61984			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	-	-	-
24[2]) / 2.5	- / -	- / -	-
2.5	-	-	-
26 - 12	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	- 0.5 - 1.5
9			
M3			
0.5 - 0.6			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
UTTB 2,5/2P-PV		**3060377**	50
UTTB 2,5/2P-PV BU		**3060487**	50
D-UTTB 2,5/4 2P		**3060393**	50
DP-UTTB 2,5/4		**3047303**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
ATP-UTTB 2,5/4		**3047316**	50
UTTB 2,5/2P-F		**3060474**	50
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
SZS 0,6X3,5		**1205053**	10
UC-TM 5 (see page 479)			
ZB 5 (see page 487)			

Width	Length	Height NS 35/7,5	
5.2	**74.3**	**65**	
		Max. Ø [mm²]	AWG
		0.14 - 4	**26 - 12**
IEC 61984			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	-
2.5	-	-	-
26 - 12	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	- 0.5 - 1.5
9			
M3			
0.5 - 0.6			
PA			
V0			

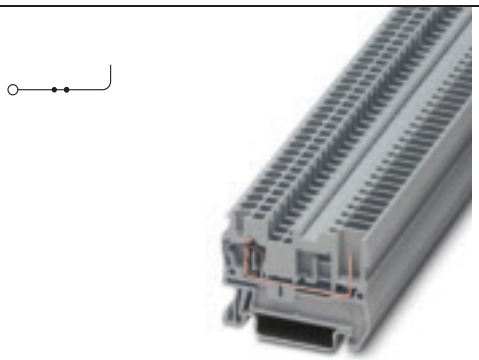
Type	Order No.	Pcs. / Pkt.
UTTB 2,5/2P-PE	**3060380**	50
D-UTTB 2,5/4 2P	**3060393**	50
DP-UTTB 2,5/4	**3047303**	50
FBS 2-5	**3030161**	50
FBS 3-5	**3030174**	50
FBS 4-5	**3030187**	50
FBS 5-5	**3030190**	50
FBS 10-5	**3030213**	10
FBS 20-5	**3030226**	10
ATP-UTTB 2,5/4	**3047316**	50
UTTB 2,5/2P-F	**3060474**	50
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-5	**3030983**	10
SZS 0,6X3,5	**1205053**	10
UC-TM 5 (see page 479)		
ZB 5 (see page 487)		

Feed-through terminal blocks with spring-cage connection ST-COMBI

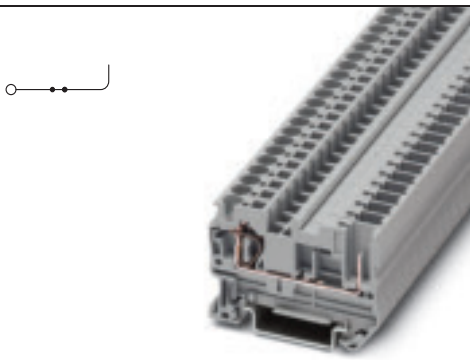
For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) The max. load current must not be exceeded by the total current of all connected conductors.

[2]) For derating curve, see page 308.



ST 2,5/ 1P ...



ST 4/ 1P ...

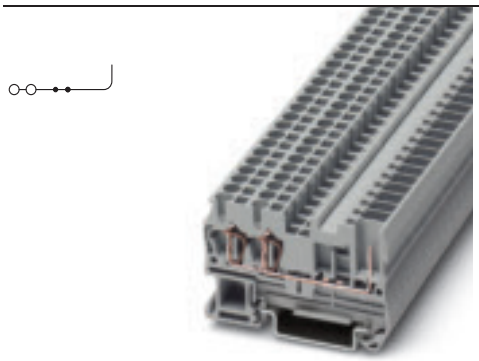
Dimensions		Width	Length	Height NS 35/7,5		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**48.5**	**36.5**		**6.2**	**55.8**	**36.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG	$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		24[2])	**500**	**0.08 - 4**	**28 - 12**	**32[2])**	**800**	**0.08 - 6**	**28 - 10**
Rated data		IEC 61984 IEC	UL / CUL	CSA	IEC/ EN 60079-7	IEC 61984 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	600	300	-	800	600	600	-
Nominal current / cross-section	[A] / [mm²]	24[2]) / 2.5	20 / -	20 / -	-	32[2]) / 4	30 / -	30 / -	-
Rated cross-section	[mm²]	2.5	-	-	-	4	-	-	-
Cross-section range	AWG	28 - 12	28-12	24-12	-	28 - 10	24-10	28-10	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5	0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4
Two stranded conductors with a TWIN ferrule	[mm²]				0.5				0.5 - 1
General data									
Stripping length	[mm]	10				10			
Insulating material		PA				PA			
Inflammability class acc. to UL 94		V0				V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		Gray	**ST 2,5/ 1P**		**3040012**	50	**ST 4/ 1P**		**3042719**	50
		Blue	**ST 2,5/ 1P BU**		**3040656**	50	**ST 4/ 1P BU**		**3042874**	50

Accessories

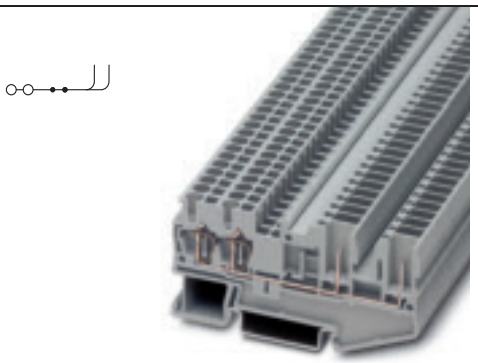
Cover, width 2.2 mm		Gray	**D-ST 2,5**		**3030417**	50	**D-ST 4**		**3030420**	50
End cover segment, for covering multi-conductor terminal blocks when two-conductor terminal blocks are aligned		Gray								
Insulation stop sleeve, cross-section range:										
0.08 - 0.2 mm²		White	**ISH 2,5/0,2**		**3002843**	50				
0.25 - 0.5 mm²		Gray	**ISH 2,5/0,5**		**3002856**	50	**ISH 4/0,5**		**3002885**	50
0.75 - 1 mm²		Black	**ISH 2,5/1,0**		**3002869**	50	**ISH 4/1,0**		**3002898**	50
Plug-in bridge for cross connections in the bridge shaft										
	2	Red	**FBS 2-5**	24 A	**3030161**	50	**FBS 2-6**	32 A	**3030336**	50
	3	Red	**FBS 3-5**	24 A	**3030174**	50	**FBS 3-6**	32 A	**3030242**	50
	4	Red	**FBS 4-5**	24 A	**3030187**	50	**FBS 4-6**	32 A	**3030255**	50
	5	Red	**FBS 5-5**	24 A	**3030190**	50	**FBS 5-6**	32 A	**3030349**	50
	10	Red	**FBS 10-5**	24 A	**3030213**	10	**FBS 10-6**	32 A	**3030271**	10
	20	Red	**FBS 20-5**	24 A	**3030226**	10	**FBS 20-6**	32 A	**3030365**	10
Partition plate, for visual and electrical separation of terminal groups, 2 mm thick		Gray	**ATP-ST 4**		**3030721**	50	**ATP-ST 4**		**3030721**	50
Screw flange, for ST COMBI terminal blocks, for ST 2,5/1P, ST 2,5/1P-PE, PIT 2,5/1P, PIT 2,5/1P-PE		Gray	**ST 2,5/1P-F**		**3209837**	50				
Test plug, consisting of: metal part for 2.3 mm Ø socket hole and			**MPS-MT**		**0201744**	10	**MPS-MT**		**0201744**	10
insulating sleeve for MPS metal part		Red	**MPS-IH RD**		**0201676**	10	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		Red	**PS-5**		**3030983**	10	**PS-6**		**3030996**	10
Warning cover, for actuation shafts, 5-pos.		Yellow	**WST 2,5**		**3030941**	50	**WST 4**		**3030954**	50
Coding star, with 4 coding branches, can be inserted in all basic terminal blocks		Red	**PC**		**3040588**	50	**PC**		**3040588**	50
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10	**SZF 1-0,6X3,5**		**1204517**	10
UniCard sheet, for labeling the center groove			**UC-TM 5 (see page 479)**				**UC-TM 6 (see page 479)**			
UniCard sheet, flat, for labeling the center and lateral grooves			**UC-TMF 5 (see page 482)**				**UC-TMF 6 (see page 483)**			
Zack markers, for labeling the center groove			**ZB 5 (see page 487)**				**ZB 6 (see page 487)**			
Zack marker strip, flat, for labeling the center and lateral grooves			**ZBF 5 (see page 492)**				**ZBF 6 (see page 493)**			



ST 2,5-TWIN/ 1P ...

Width	Length	Height NS 35/7,5	
5.2	**60.5**	**36.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
24[1])	**500**	**0.08 - 4**	**28 - 12**
IEC 61984			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	600	600	-
24[2]) / 2.5	20 / -	20 / -	-
2.5	-	-	-
28 - 12	28-12	28-12	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
10			
PA			
V0			

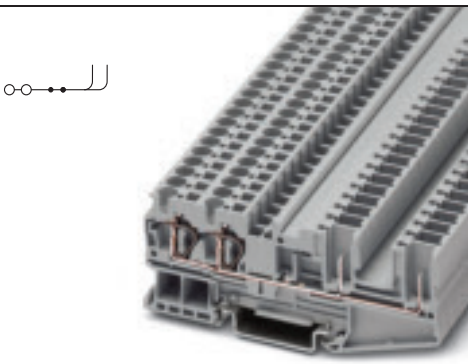
Type	I_{max}	Order No.	Pcs. / Pkt.
ST 2,5-TWIN/ 1P		**3042117**	50
ST 2,5-TWIN/ 1P BU		**3042104**	50
D-ST 2,5-TWIN		**3030488**	50
DS-ST 2,5		**3036602**	10
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
ATP-ST-TWIN		**3030789**	50
ST 2,5-TWIN/1P-F		**3209840**	50
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
WST 2,5		**3030941**	50
PC		**3040588**	50
SZF 1-0,6X3,5		**1204517**	10
UC-TM 5 (see page 479)			
UC-TMF 5 (see page 482)			
ZB 5 (see page 487)			
ZBF 5 (see page 492)			



ST 2,5-QUATTRO/ 2P ...

Width	Length	Height NS 35/7,5	
5.2	**81**	**36.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
24[1])	**500**	**0.08 - 4**	**28 - 12**
IEC 61984			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	600	300	-
24[2]) / 2.5	20 / -	20 / -	-
2.5	-	-	-
28 - 12	28-12	24-12	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
10			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
ST 2,5-QUATTRO/2P		**3040038**	50
ST 2,5-QUATTRO/ 2P BU		**3040669**	50
D-ST 2,5-QUATTRO/ 2P		**3040083**	50
DS-ST 2,5/P		**3041011**	50
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
ATP-ST QUATTRO		**3030815**	50
ST 2,5-QUATTRO/2P-F		**3209853**	50
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
WST 2,5		**3030941**	50
PC		**3040588**	50
SZF 1-0,6X3,5		**1204517**	10
UC-TM 5 (see page 479)			
UC-TMF 5 (see page 482)			
ZB 5 (see page 487)			
ZBF 5 (see page 492)			



ST 4-QUATTRO/ 2P ...

Width	Length	Height NS 35/7,5	
6.2	**97.3**	**36.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
32[1])	**800**	**0.08 - 6**	**28 - 10**
IEC 61984			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800	600	600	-
32[2]) / 4	30 / -	30 / -	-
4	-	-	-
28 - 10	28-10	28-10	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4 0.5 - 1
10			
PA			
V0			

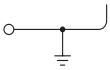
Type	I_{max}	Order No.	Pcs. / Pkt.
ST 4-QUATTRO/2P		**3042845**	50
ST 4-QUATTRO/2P BU		**3042861**	50
D-ST 4-QUATTRO/2P		**3043747**	50
DS-ST 4/P		**3043750**	50
ISH 4/0,5		**3002885**	50
ISH 4/1,0		**3002898**	50
FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 10-6	32 A	**3030271**	10
FBS 20-6	32 A	**3030365**	10
ATP-ST QUATTRO		**3030815**	50
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
WST 4		**3030954**	50
PC		**3040588**	50
SZF 1-0,6X3,5		**1204517**	10
UC-TM 6 (see page 479)			
UC-TMF 6 (see page 483)			
ZB 6 (see page 487)			
ZBF 6 (see page 493)			

Ground terminal blocks with spring-cage connection ST-COMBI

Ground terminal blocks with the same shape and the same pitch are available for the various basic terminal blocks. Contact to the DIN rail is made by simply snapping the terminal block onto the rail.

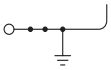
Current carrying capacity of DIN rails, see page 728.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.





ST 2,5/ 1P-PE





ST 4/ 1P-PE

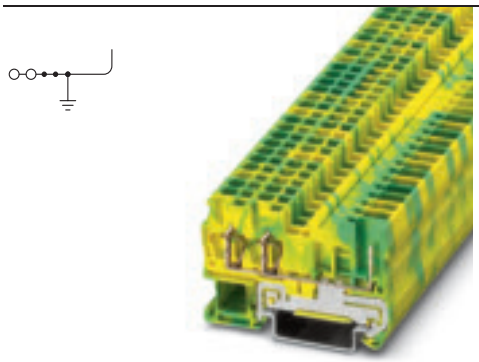
Dimensions		Width	Length	Height NS 35/7,5		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**48.5**	**36.5**		**6.2**	**55.8**	**36.5**	
Max. electrical data				Max. Ø [mm²]	AWG			Max. Ø [mm²]	AWG
				0.08 - 4	**28 - 12**			**0.08 - 6**	**28 - 10**
Rated data		IEC 61984 IEC	UL / CUL	CSA	IEC/ EN 60079-7	IEC 61984 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	-	-	-	-	-	-	-	-
Nominal current / cross-section	[A] / [mm²]	- / -	- / -	- / -	-	- / -	- / -	- / -	-
Rated cross-section	[mm²]	2.5	-	-	-	4	-	-	-
Cross-section range	AWG	28 - 12	28-12	28-12	-	28 - 10	28-10	28-10	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5	0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4
Two stranded conductors with a TWIN ferrule	[mm²]				0.5				0.5 - 1
General data									
Stripping length	[mm]	10				10			
Insulating material		PA				PA			
Inflammability class acc. to UL 94		V0				V0			

Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Ground terminal block, for mounting on NS 35...		Green-yellow	**ST 2,5/ 1P-PE**	**3040025**	50	**ST 4/ 1P-PE**	**3042722**	50

Accessories

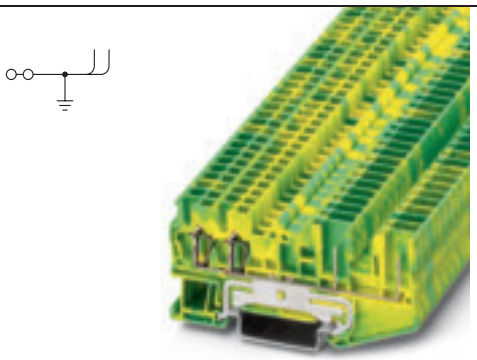
Cover, width 2.2 mm		Gray	**D-ST 2,5**	**3030417**	50	**D-ST 4**	**3030420**	50
End cover segment, for covering multi-conductor terminal blocks when two-conductor terminal blocks are aligned		Gray						
Insulation stop sleeve, cross-section range:								
0.08 - 0.2 mm²		White	**ISH 2,5/0,2**	**3002843**	50			
0.25 - 0.5 mm²		Gray	**ISH 2,5/0,5**	**3002856**	50	**ISH 4/0,5**	**3002885**	50
0.75 - 1 mm²		Black	**ISH 2,5/1,0**	**3002869**	50	**ISH 4/1,0**	**3002898**	50
Plug-in bridge for cross connections in the bridge shaft								
	2	Red				**FBS 2-6**	**3030336**	50
	3	Red				**FBS 3-6**	**3030242**	50
	4	Red				**FBS 4-6**	**3030255**	50
	5	Red				**FBS 5-6**	**3030349**	50
	10	Red				**FBS 10-6**	**3030271**	10
	20	Red				**FBS 20-6**	**3030365**	10
Partition plate, for visual and electrical separation of terminal groups, 2 mm thick		Gray	**ATP-ST 4**	**3030721**	50	**ATP-ST 4**	**3030721**	50
Screw flange, for ST COMBI terminal blocks, for ST 2,5/1P, ST 2,5/1P-PE, PIT 2,5/1P, PIT 2,5/1P-PE		Gray	**ST 2,5/1P-F**	**3209837**	50			
Test plug, consisting of: metal part for 2.3 mm Ø socket hole and						**MPS-MT**	**0201744**	10
insulating sleeve for MPS metal part		Red				**MPS-IH RD**	**0201676**	10
Modular test plug, for the individual assembly of test plug strips		Red				**PS-6**	**3030996**	10
Warning cover, for actuation shafts, 5-pos.		Yellow	**WST 2,5**	**3030941**	50	**WST 4**	**3030954**	50
Coding star, with 4 coding branches, can be inserted in all basic terminal blocks		Red	**PC**	**3040588**	50	**PC**	**3040588**	50
Screwdriver			**SZF 1-0,6X3,5**	**1204517**	10	**SZF 1-0,6X3,5**	**1204517**	10
UniCard sheet, for labeling the center groove			**UC-TM 5 (see page 479)**			**UC-TM 6 (see page 479)**		
UniCard sheet, flat, for labeling the center and lateral grooves			**UC-TMF 5 (see page 482)**			**UC-TMF 6 (see page 483)**		
Zack markers, for labeling the center groove			**ZB 5 (see page 487)**			**ZB 6 (see page 487)**		
Zack marker strip, flat, for labeling the center and lateral grooves			**ZBF 5 (see page 492)**			**ZBF 6 (see page 493)**		



ST 2,5-TWIN/ 1P-PE

Width	Length	Height NS 35/7,5	
5.2	**60.5**	**36.5**	
		Max. Ø [mm²]	AWG
		0.08 - 4	**28 - 12**
IEC 61984			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	-
2.5	-	-	-
28 - 12	28-12	28-12	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
10			
PA			
V0			

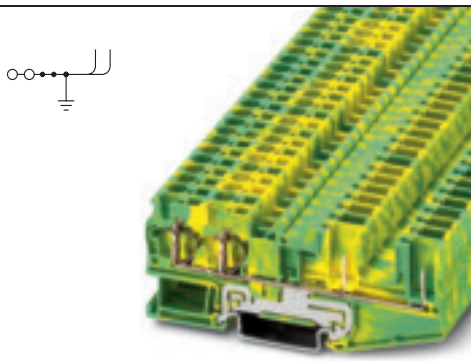
Type	Order No.	Pcs. / Pkt.
ST 2,5-TWIN/ 1P-PE	**3042120**	50
D-ST 2,5-TWIN	**3030488**	50
DS-ST 2,5	**3036602**	10
ISH 2,5/0,2	**3002843**	50
ISH 2,5/0,5	**3002856**	50
ISH 2,5/1,0	**3002869**	50
FBS 2-5	**3030161**	50
FBS 3-5	**3030174**	50
FBS 4-5	**3030187**	50
FBS 5-5	**3030190**	50
FBS 10-5	**3030213**	10
FBS 20-5	**3030226**	10
ATP-ST-TWIN	**3030789**	50
ST 2,5-TWIN/1P-F	**3209840**	50
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-5	**3030983**	10
WST 2,5	**3030941**	50
PC	**3040588**	50
SZF 1-0,6X3,5	**1204517**	10
UC-TM 5 (see page 479)		
UC-TMF 5 (see page 482)		
ZB 5 (see page 487)		
ZBF 5 (see page 492)		



ST 2,5-QUATTRO/2P-PE

Width	Length	Height NS 35/7,5	
5.2	**81**	**36.5**	
		Max. Ø [mm²]	AWG
		0.08 - 4	**28 - 12**
IEC 61984			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	-
2.5	-	-	-
28 - 12	28-12	28-12	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
10			
PA			
V0			

Type	Order No.	Pcs. / Pkt.
ST 2,5-QUATTRO/2P-PE	**3040041**	50
D-ST 2,5-QUATTRO/ 2P	**3040083**	50
DS-ST 2,5/P	**3041011**	50
ISH 2,5/0,2	**3002843**	50
ISH 2,5/0,5	**3002856**	50
ISH 2,5/1,0	**3002869**	50
ATP-ST QUATTRO	**3030815**	50
ST 2,5-QUATTRO/2P-F	**3209853**	50
WST 2,5	**3030941**	50
PC	**3040588**	50
SZF 1-0,6X3,5	**1204517**	10
UC-TM 5 (see page 479)		
UC-TMF 5 (see page 482)		
ZB 5 (see page 487)		
ZBF 5 (see page 492)		



ST 4-QUATTRO/2P-PE

Width	Length	Height NS 35/7,5	
6.2	**97.3**	**36.5**	
		Max. Ø [mm²]	AWG
		0.08 - 6	**28 - 10**
IEC 61984			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	-
4	-	-	-
28 - 10	28-10	28-10	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4 0.5 - 1
10			
PA			
V0			

Type	Order No.	Pcs. / Pkt.
ST 4-QUATTRO/2P-PE	**3042858**	50
D-ST 4-QUATTRO/2P	**3043747**	50
DS-ST 4/P	**3043750**	50
ISH 4/0,5	**3002885**	50
ISH 4/1,0	**3002898**	50
FBS 2-6	**3030336**	50
FBS 3-6	**3030242**	50
FBS 4-6	**3030255**	50
FBS 5-6	**3030349**	50
FBS 10-6	**3030271**	10
FBS 20-6	**3030365**	10
ATP-ST QUATTRO	**3030815**	50
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-6	**3030996**	10
WST 4	**3030954**	50
PC	**3040588**	50
SZF 1-0,6X3,5	**1204517**	10
UC-TM 6 (see page 479)		
UC-TMF 6 (see page 483)		
ZB 6 (see page 487)		
ZBF 6 (see page 493)		

Multi-level terminal blocks with spring-cage connection ST-COMBI



The potentials of the STTB 2,5/2P.. double-level terminal blocks routed on two levels reduce space requirements by 50% compared with single level terminal blocks. The STTB 2,5/2P series can be bridged on both levels with the plug-in bridge system FBS for the most varied switching tasks.

Thus, individual power supplies can be assembled using the pluggable double-level terminal block. You can inexpensively replace the supply with heavy-duty connectors in the control cabinet.

Current carrying capacity of DIN rails, see page 728.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

1) The max. load current must not be exceeded by the total current of all connected conductors.

2) For derating curve, see page 308.





STTB 2,5/ 2P ...

Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		5.2	**71.5**	**47.5**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²] / AWG
		22²)	**500**	**0.08 - 4** / **28 - 12**
Rated data		IEC 61984 IEC	UL / CUL	CSA / IEC/ EN 60079-7
Rated voltage	[V]	500	600	300 / -
Nominal current / cross-section	[A] / [mm²]	22²) / 2.5	20 / -	20 / - / -
Rated cross-section	[mm²]	2.5	-	- / -
Cross-section range	AWG	28 - 12	28-12	24-10 / -
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve
One conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5 / 0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]			0.5
General data				
Stripping length	[mm]	10		
Insulating material		PA		
Inflammability class acc. to UL 94		V0		

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		Gray	**STTB 2,5/2P**		**3040054**	50
		Blue	**STTB 2,5/2P BU**		**3040672**	50
With marking groove on the pluggable side		Gray	**STTB 2,5/2P SO**		**3040892**	50
		Blue	**STTB 2,5/2P BU SO**		**3040902**	50
Terminal block, with equipotential bonder, for mounting on NS 35...		Gray				
		Blue				
With marking groove on the pluggable side		Gray				
Ground terminal block, for mounting on NS 35...		Green-yellow				
With marking groove on the pluggable side		Green/yellow				

Accessories

Cover, width 2.2 mm		Gray	**D-STTB 2,5/ 2P**		**3040096**	50
Insulation stop sleeve, cross-section range:						
0.08 - 0.2 mm²		White	**ISH 2,5/0,2**		**3002843**	50
0.25 - 0.5 mm²		Gray	**ISH 2,5/0,5**		**3002856**	50
0.75 - 1 mm²		Black	**ISH 2,5/1,0**		**3002869**	50
Plug-in bridge for cross connections in the bridge shaft						
	2	Red	**FBS 2-5**	24 A	**3030161**	50
	3	Red	**FBS 3-5**	24 A	**3030174**	50
	4	Red	**FBS 4-5**	24 A	**3030187**	50
	5	Red	**FBS 5-5**	24 A	**3030190**	50
	10	Red	**FBS 10-5**	24 A	**3030213**	10
	20	Red	**FBS 20-5**	24 A	**3030226**	10
Partition plate, for visual and electrical separation of terminal groups, 2 mm thick		Gray	**ATP-STTB 4**		**3030747**	50
Screw flange		Gray	**STTB 2,5/2P-F**		**3061169**	50
Modular test plug, for the individual assembly of test plug strips		Red	**PS-5**		**3030983**	10
Warning cover, for actuation shafts, 5-pos.		Yellow	**WST 2,5**		**3030941**	50
Coding star, with 4 coding branches, can be inserted in all basic terminal blocks		Red	**PC**		**3040588**	50
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10
UniCard sheet, flat, for labeling the lateral groove			**UC-TMF 5 (see page 482)**			
Zack marker strip, flat, for labeling the lateral groove			**ZBF 5 (see page 492)**			





STTB 2,5/ 2P-PV ...





STTB 2,5/ 2P-PE

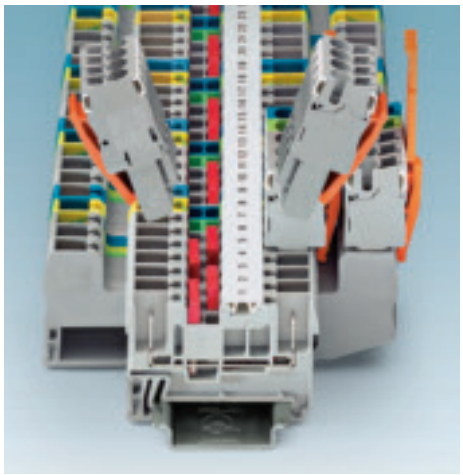
Width	Length	Height NS 35/7,5	
5.2	**71.5**	**47.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
22[1])	**500**	**0.08 - 4**	**28 - 12**
IEC 61984			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	600	-	-
22[2]) / 2.5	20 / -	- / -	-
2.5	-	-	-
28 - 12	28-12	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
10			
PA			
V0			

Width	Length	Height NS 35/7,5	
5.2	**71.5**	**47.5**	
		Max. Ø [mm²]	AWG
		0.08 - 4	**28 - 12**
IEC 61984			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	-
2.5	-	-	-
28 - 12	28-12	28-12	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
10			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
STTB 2,5/2P-PV		**3040070**	50
STTB 2,5/2P-PV BU		**3040685**	50
STTB 2,5/2P-PV SO		**3040928**	50
D-STTB 2,5/ 2P		**3040096**	50
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
ATP-STTB 4		**3030747**	50
STTB 2,5/2P-F		**3061169**	50
PS-5		**3030983**	10
WST 2,5		**3030941**	50
PC		**3040588**	50
SZF 1-0,6X3,5		**1204517**	10
UC-TMF 5 (see page 482)			
ZBF 5 (see page 492)			

Type	Order No.	Pcs. / Pkt.
STTB 2,5/2P-PE	**3040067**	50
STTB 2,5/2P-PE SO	**3040915**	50
D-STTB 2,5/ 2P	**3040096**	50
ISH 2,5/0,2	**3002843**	50
ISH 2,5/0,5	**3002856**	50
ISH 2,5/1,0	**3002869**	50
ATP-STTB 4	**3030747**	50
STTB 2,5/2P-F	**3061169**	50
WST 2,5	**3030941**	50
PC	**3040588**	50
SZF 1-0,6X3,5	**1204517**	10
UC-TMF 5 (see page 482)		
ZBF 5 (see page 492)		

PIN/PIN feed-through terminal blocks COMBI



For the PIN/PIN versions of the COMBI series, connectors can be used on both sides of the terminal blocks. In this way, the COMBI system becomes even more flexible, and the terminal blocks can be used as connecting elements for modules.

The use of the standard COMBI connectors means that the well-known accessories such as snap fitting, strain relief and shield connection can be used.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) The max. load current must not be exceeded by the total current of all connected conductors.

[2]) For derating curve, see page 308.



ST 2,5/2P ...

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**49.1**	**36.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		24[2])	**500**	**0.08 - 4**	**28 - 12**
Rated data		IEC 61984 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	600	300	-
Nominal current / cross-section	[A] / [mm²]	24[2]) / 2.5	20 / -	20 / -	-
Rated cross-section	[mm²]	2.5	-	-	-
Cross-section range	AWG	28 - 12	-	24-12	-
Connection capacity of the usable plugs		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]				0.5
General data					
Insulating material		PA			
Inflammability class acc. to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		Gray	**ST 2,5/2P**		**3042133**	50
		Blue	**ST 2,5/2P BU**		**3042094**	50

Accessories

Cover, width 2.2 mm		Gray	**D-ST 2,5**		**3030417**	50
End cover segment, for covering multi-conductor terminal blocks when two-conductor terminal blocks are aligned		Gray				
Plug-in bridge for cross connections in the bridge shaft						
	2	Red	**FBS 2-5**	24 A	**3030161**	50
	3	Red	**FBS 3-5**	24 A	**3030174**	50
	4	Red	**FBS 4-5**	24 A	**3030187**	50
	5	Red	**FBS 5-5**	24 A	**3030190**	50
	10	Red	**FBS 10-5**	24 A	**3030213**	10
	20	Red	**FBS 20-5**	24 A	**3030226**	10
Partition plate, for visual and electrical separation of terminal groups, 2 mm thick		Gray	**ATP-ST 4**		**3030721**	50
Screw flange		Gray	**ST 2,5/2P-F**		**3061198**	50
Test adapter, for 4 mm Ø PS test plug and 4 mm safety test plug, makes contact in the bridge shaft		Gray	**PAI-4**		**3030925**	10
Test plug, consisting of: metal part for 2.3 mm Ø socket hole and			**MPS-MT**		**0201744**	10
insulating sleeve for MPS metal part		Red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		Red	**PS-5**		**3030983**	10
Coding star, with 4 coding branches, can be inserted in all basic terminal blocks		Red	**PC**		**3040588**	50
UniCard sheet, for labeling the center groove			**UC-TM 5 (see page 479)**			
Zack markers, for labeling the center groove			**ZB 5 (see page 487)**			



ST 4/ 2P ...



ST 2,5-QUATTRO/4P ...

Width	Length	Height NS 35/7,5	
6.2	**55.9**	**36.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
32[2])	**800**	**0.08 - 6**	**28 - 10**
IEC 61984			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800	-	-	-
32[2]) / 4	- / -	- / -	-
4	-	-	-
28 - 10	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4 0.5 - 1
PA			
V0			

Width	Length	Height NS 35/7,5	
5.2	**89.5**	**36.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
24[1])	**500**	**0.08 - 4**	**28 - 12**
IEC 61984			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	600	300	-
24[2]) / 2.5	20 / -	20 / -	-
2.5	-	-	-
28 - 12	-	24-12	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
ST 4/ 2P		**3042735**	50
ST 4/ 2P BU		**3043789**	50
D-ST 4		**3030420**	50
FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 10-6	32 A	**3030271**	10
FBS 20-6	32 A	**3030365**	10
ATP-ST 4		**3030721**	50
PAI-4		**3030925**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
PC		**3040588**	50
UC-TM 6 (see page 479)			
ZB 6 (see page 487)			

Type	I_{max}	Order No.	Pcs. / Pkt.
ST 2,5-QUATTRO/4P		**3042159**	50
ST 2,5-QUATTRO/4P BU		**3042081**	50
D-ST 2,5-QUATTRO/4P		**3042175**	50
DS-ST 2,5/2P		**3042337**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
ATP-ST QUATTRO		**3030815**	50
ST 2,5-QUATTRO/4P-F		**3061208**	50
PAI-4		**3030925**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
PC		**3040588**	50
UC-TM 5 (see page 479)			
ZB 5 (see page 487)			

PIN/PIN ground terminal blocks COMBI

Ground terminal blocks that are similar to the PIN/PIN versions of the COMBI series as regards the shape and the pitch complete the range. Reliable mechanical and electrical contacting to the DIN rail is established by simply snapping the terminal block onto the rail.

The standard plug-in bridges are available for bridging.

The ground terminal blocks fulfill all requirements of the DIN EN 61984 and IEC 60947-7-2 standards; these are in particular:

– Low contact resistances
– Corrosion-proof terminal points
– Green-yellow housing and
– Additional options for marking

Current carrying capacity of DIN rails, see page 728.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.





ST 2,5/2P-PE

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**49.1**	**36.5**	
Max. electrical data				Max. Ø [mm²]	AWG
				0.08 - 4	**28 - 12**
Rated data		IEC 61984 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	-	-	-	-
Nominal current / cross-section	[A] / [mm²]	- / -	- / -	- / -	-
Rated cross-section	[mm²]	2.5	-	-	-
Cross-section range	AWG	28 - 12	-	28-12	-
Connection capacity of the usable plugs		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]				0.5
General data					
Insulating material		PA			
Inflammability class acc. to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.
Ground terminal block, for mounting on NS 35...		Green-yellow	**ST 2,5/2P-PE**	**3042146**	50

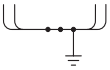
Accessories

Cover, width 2.2 mm		Gray	**D-ST 2,5**	**3030417**	50
End cover segment, for covering multi-conductor terminal blocks when two-conductor terminal blocks are aligned		Gray			
Plug-in bridge for cross connections in the bridge shaft					
	2	Red	**FBS 2-5**	**3030161**	50
	3	Red	**FBS 3-5**	**3030174**	50
	4	Red	**FBS 4-5**	**3030187**	50
	5	Red	**FBS 5-5**	**3030190**	50
	10	Red	**FBS 10-5**	**3030213**	10
	20	Red	**FBS 20-5**	**3030226**	10
Partition plate, for visual and electrical separation of terminal groups, 2 mm thick		Gray	**ATP-ST 4**	**3030721**	50
Screw flange		Gray	**ST 2,5/2P-F**	**3061198**	50
Test adapter, for 4 mm Ø PS test plug and 4 mm safety test plug, makes contact in the bridge shaft		Gray	**PAI-4**	**3030925**	10
Test plug, consisting of: metal part for 2.3 mm Ø socket hole and			**MPS-MT**	**0201744**	10
insulating sleeve for MPS metal part		Red	**MPS-IH RD**	**0201676**	10
Modular test plug, for the individual assembly of test plug strips		Red	**PS-5**	**3030983**	10
Coding star, with 4 coding branches, can be inserted in all basic terminal blocks		Red	**PC**	**3040588**	50
UniCard sheet, for labeling the center groove			**UC-TM 5 (see page 479)**		
Zack markers, for labeling the center groove			**ZB 5 (see page 487)**		





ST 4/ 2P-PE





ST 2,5-QUATTRO/4P-PE

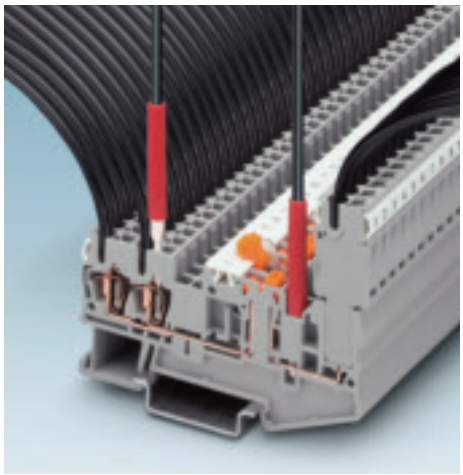
Width	Length	Height NS 35/7,5	
6.2	**55.9**	**36.5**	
		Max. Ø [mm²]	AWG
		0.08 - 6	**28 - 10**
IEC 61984			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	-
4	-	-	-
28 - 10	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4 0.5 - 1
PA			
V0			

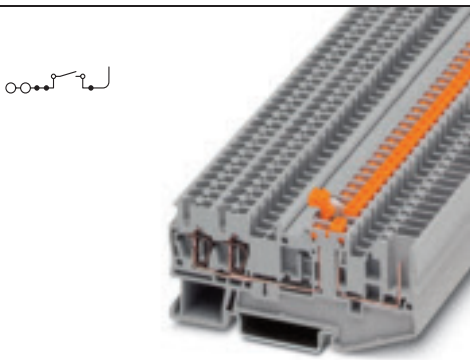
Type	Order No.	Pcs. / Pkt.
ST 4/ 2P-PE	**3042748**	50
D-ST 4	**3030420**	50
FBS 2-6	**3030336**	50
FBS 3-6	**3030242**	50
FBS 4-6	**3030255**	50
FBS 5-6	**3030349**	50
FBS 10-6	**3030271**	10
FBS 20-6	**3030365**	10
ATP-ST 4	**3030721**	50
PAI-4	**3030925**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-6	**3030996**	10
PC	**3040588**	50
UC-TM 5 (see page 479)		
ZB 5 (see page 487)		

Width	Length	Height NS 35/7,5	
5.2	**89.5**	**36.5**	
		Max. Ø [mm²]	AWG
		0.08 - 4	**28 - 12**
IEC 61984			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	-
2.5	-	-	-
28 - 12	-	28-12	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
PA			
V0			

Type	Order No.	Pcs. / Pkt.
ST 2,5-QUATTRO/4P-PE	**3042162**	50
D-ST 2,5-QUATTRO/4P	**3042175**	50
DS-ST 2,5/2P	**3042337**	50
FBS 2-5	**3030161**	50
FBS 3-5	**3030174**	50
FBS 4-5	**3030187**	50
FBS 5-5	**3030190**	50
FBS 10-5	**3030213**	10
FBS 20-5	**3030226**	10
ATP-ST QUATTRO	**3030815**	50
ST 2,5-QUATTRO/4P-F	**3061208**	50
PAI-4	**3030925**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-5	**3030983**	10
PC	**3040588**	50
UC-TM 5 (see page 479)		
ZB 5 (see page 487)		

Knife disconnect terminal blocks
ST-COMBI





ST 2,5-TWIN-MT/1P

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

More plug-in bridges can be found on page 330.

[1]) The max. load current must not be exceeded by the total current of all connected conductors.

[2]) Observe max. load current.

[3]) Observe max load current, depending on the power dissipation of the components. Max 0.5 W with single arrangement.

[4]) For max. power dissipation, see page 729.

[5]) Current and voltage are determined by the connector used.

[6]) Derating curve available on request.

Feed-through terminal blocks with disconnect option are a standard in measuring and control technology. The ST-COMBI disconnect terminal blocks feature a particularly narrow width of 5.2 mm and a high current carrying capacity of 16 A.

There are test facilities for 2.3 mm Ø test plugs on both sides of the disconnect point. As a particular feature, this terminal block has three bridge shafts: two in the same position as in the entire ST and ST-COMBI series and one on the other side of the disconnect point.

While the knife disconnect terminal block ST 2,5-TWIN-MT/1P has a built-in knife, the disconnect terminal block ...TG/1P can accommodate the through connector P-FIX, the isolating connector P-DI, the component connector P-CO or the fuse connector P-FU.

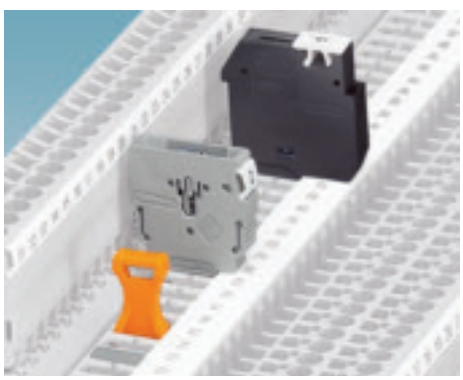
Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**81**	**36.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		20[1])	**400**	**0.08 - 4**	**28 - 12**
Rated data		IEC 61984 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400	600	300	-
Nominal current / cross-section	[A] / [mm²]	20[6]) / 2.5	20 / -	20 / -	-
Rated cross-section	[mm²]	2.5	-	-	-
Cross-section range	AWG	28 - 12	28-12	28-12	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]				0.5
General data					
Stripping length	[mm]	10			
Insulating material		PA			
Inflammability class acc. to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Knife disconnect terminal block, for mounting on NS 35...		Gray	**ST 2,5-TWIN-MT/1P**		**3040766**	50
Disconnect terminal block, for mounting on NS 35...		Gray				

Accessories

Cover, width 2.2 mm		Gray	**D-ST 2,5-QUATTRO/ 2P**		**3040083**	50
Plug-in bridge for cross connections in the bridge shaft						
	2	Red	**FBS 2-5**	24 A	**3030161**	50
	3	Red	**FBS 3-5**	24 A	**3030174**	50
	4	Red	**FBS 4-5**	24 A	**3030187**	50
	5	Red	**FBS 5-5**	24 A	**3030190**	50
	20	Red	**FBS 20-5**	24 A	**3030226**	10
Partition plate, for visual and electrical separation of terminal groups, 2 mm thick		Gray	**ATP-ST QUATTRO**		**3030815**	50
Screw flange, for ST COMBI terminal blocks, for safe fixing of COMBI connectors with spring-cage connection for ST 2,5-QUATTRO/2P, ST 2,5-QUATTRO/2P-PE, ST 2,5-TWIN-MT/1P, ST 2,5-TWIN-TG/1P		Gray	**ST 2,5-QUATTRO/2P-F**		**3209853**	50
Test plug, consisting of: metal part for 2.3 mm Ø socket hole and			**MPS-MT**		**0201744**	10
insulating sleeve for MPS metal part		Red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		Red	**PS-5**		**3030983**	10
Disconnect plugs[2])		Orange				
Feed-through connector[2])		Gray				
Component connector, labeled with ZBF 5 or UC-TMF 5[3])		Gray				
Fuse connector, width 6.2 mm[4])		Black				
With light indicator for 12-30 V		Black				
With light indicator for 30-60 V		Black				
With light indicator for 110-250 V		Black				
Coding star, with 4 coding branches, can be inserted in all basic terminal blocks		Red	**PC**		**3040588**	50
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10
UniCard sheet, for labeling the center groove			**UC-TM 5 (see page 479)**			
UniCard sheet, flat, for labeling the center and lateral grooves			**UC-TMF 5 (see page 482)**			
Zack markers, for labeling the center groove			**ZB 5 (see page 487)**			
Zack marker strip, flat, for labeling the center and lateral grooves			**ZBF 5 (see page 492)**			





ST 2,5-TWIN-TG/1P

Width	Length	Height NS 35/7,5	
5.2	**81**	**36.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
20[1])	**400[5])**	**0.08 - 4**	**28 - 12**
IEC 61984			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400[5])	600	300	-
20[6]) / 2.5	20 / -	20 / -	-
2.5	-	-	-
28 - 12	28-12	28-12	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
10			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
ST 2,5-TWIN-TG/1P		**3040847**	50
D-ST 2,5-QUATTRO/ 2P		**3040083**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 20-5	24 A	**3030226**	10
ATP-ST QUATTRO		**3030815**	50
ST 2,5-QUATTRO/2P-F		**3209853**	50
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
P-DI		**3036783**	50
P-FIX		**3038956**	50
P-CO		**3036796**	10
P-FU 5X20		**3036806**	10
P-FU 5X20 LED 24		**3036819**	10
P-FU 5X20 LED 60		**3036822**	10
P-FU 5X20 LA 250		**3036835**	10
PC		**3040588**	50
SZF 1-0,6X3,5		**1204517**	10
UC-TM 5 (see page 479)			
UC-TMF 5 (see page 482)			
ZB 5 (see page 487)			
ZBF 5 (see page 492)			

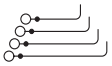
Four-level terminal block with spring-cage connection ST ...



Current carrying capacity of DIN rails, see page 728.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) Derating curve available on request.





ST 2,5-4L/1P

The pluggable four-level spring-cage terminal block has four feed-through levels in a 5 mm slim terminal housing. It offers high wiring density, which is especially important when control system space is restricted. This terminal can also be used as a compact potential distributor with bridging options on each level. The four-level terminal block permits conductor connection with a nominal cross-section of 2.5 mm² with and without ferrule.

The basic terminal block and the connector are available as an engagement pin version for block formation of individual system units.

The pluggable side of the terminal block has one or two slots. This permits convenient test pick-off with the same connector. The integrated snap-locking of the connectors ensures maximum contact reliability even with vibration. The STG-MTN ... module female contacts snap securely into the connector housing.

The assignment of the 4 levels is marked on the connector and also on the permanently wired terminal block side with a - d. Additional labeling options are provided on each terminal point. The connector also has a marking option for clear identification.

The universal accessories of the ST standard series are used for the four-level basic terminal block.

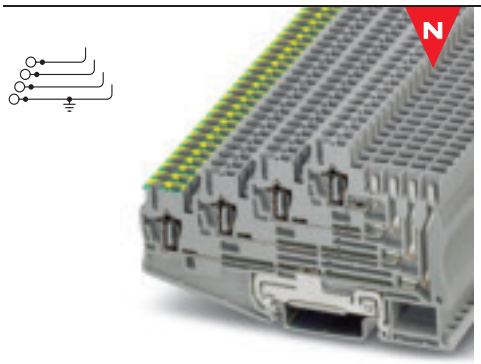
Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**101**	**59**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		10[1])	**250**	**0.08 - 4**	**28 - 12**
Rated data		IEC 61984 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	250	300	300	-
Nominal current / cross-section	[A] / [mm²]	10[1]) / 1.5	10 / -	10 / -	-
Rated cross-section	[mm²]	2.5	-	-	-
Cross-section range	AWG	28 - 12	28-12	28-12	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]				0.5
General data					
Stripping length	[mm]	10			
Insulating material		PA			
Inflammability class acc. to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Spring-cage terminal block, for mounting on NS 35...		Gray	**ST 2,5-4L/1P**		**3041985**	50
Spring-cage terminal block with engagement pin, for mounting on NS 35...		Gray				
Connector, for accommodating 4 female contacts		Gray				
Connector with engagement pin, for accommodating 4 female contacts		Gray				

Accessories

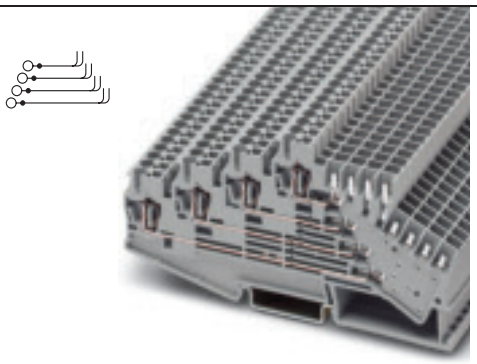
Cover, width 2.2 mm		Gray	**D-ST 2,5-4L/1P**		**3041930**	50
Plug-in bridge for cross connections in the bridge shaft						
	2	Red	**FBS 2-5**	24 A	**3030161**	50
	3	Red	**FBS 3-5**	24 A	**3030174**	50
	4	Red	**FBS 4-5**	24 A	**3030187**	50
	5	Red	**FBS 5-5**	24 A	**3030190**	50
	10	Red	**FBS 10-5**	24 A	**3030213**	10
	20	Red	**FBS 20-5**	24 A	**3030226**	10
Test adapter, for 4 mm Ø PS test plug and 4 mm safety test plug, makes contact in the bridge shaft		Gray	**PAI-4**		**3030925**	10
Test plug, consisting of: metal part for 2.3 mm Ø socket hole and			**MPS-MT**		**0201744**	10
insulating sleeve for MPS metal part		Red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		Red	**PS-5**		**3030983**	10
Module female contact, is inserted into connector housing STG after the conductor has been crimped, 0.5-1 mm²						
Module female contact, is inserted into connector housing STG after the conductor has been crimped, 1.5-2.5 mm²						
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10
Crimping tool, for crimping conductors to the module female contacts STG-MTN		Black				
UniCard sheet, flat, for labeling the lateral groove			**UC-TMF 5 (see page 482)**			
Zack marker strip, flat, for labeling the lateral groove			**ZBF 5 (see page 492)**			



ST 2,5-PE/3L/1P

Width	Length	Height NS 35/7,5	
5.2	**101**	**59**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
10[1])	**250**	**0.08 - 4**	**28 - 12**
IEC 61984			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
250	300	300	-
10[1]) / 1.5	10 / -	10 / -	-
2.5	-	-	-
28 - 12	28-12	28-12	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
10			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
ST 2,5-PE/3L/1P		**3041969**	50
D-ST 2,5-4L/1P		**3041930**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
PAI-4		**3030925**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
SZF 1-0,6X3,5		**1204517**	10
UC-TMF 5 (see page 482)			
ZBF 5 (see page 492)			



ST 2,5-4L/2P ...

Width	Length	Height NS 35/7,5	
5.2	**120.5**	**59**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
10[1])	**250**	**0.08 - 4**	**28 - 12**
IEC 61984			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
250	300	300	-
10[1]) / 1.5	10 / -	10 / -	-
2.5	-	-	-
28 - 12	28-12	28-12	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
10			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
ST 2,5-4L/2P		**3042007**	50
ST 2,5-4L/2P-Z		**3041998**	50
D-ST 2,5-4L/2P		**3041927**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
PAI-4		**3030925**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
SZF 1-0,6X3,5		**1204517**	10
UC-TMF 5 (see page 482)			
ZBF 5 (see page 492)			

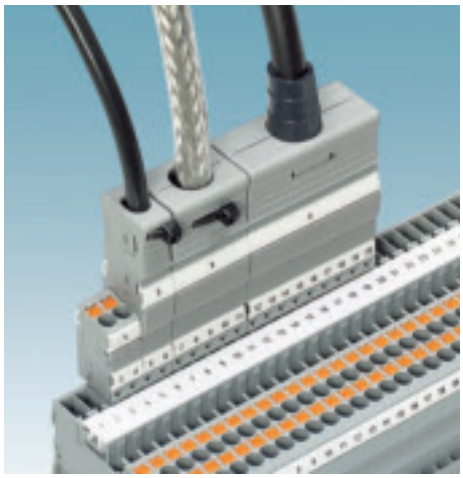


CP 2,5-4L ...

Width	Length	Height NS 35/7,5	
5.2	**27.5**	**-**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
10	**250**	**-**	**20 - 14**
IEC 61984			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
250	300	-	-
10 / 1.5	10 / -	- / -	-
2.5	-	-	-
20 - 14	20-14	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
-	0.5 - 2.5	-	-
10			
PA			
V0			

Type	Order No.	Pcs. / Pkt.
CP 2,5-4L	**3041956**	50
CP 2,5-4L-Z	**3041943**	50
STG-MTN 0,5-1,0	**3190438**	100
STG-MTN 1,5-2,5	**3190506**	100
CRIMPFOX MT 2,5	**1204038**	1
UC-TMF 5 (see page 482)		
ZBF 5 (see page 492)		

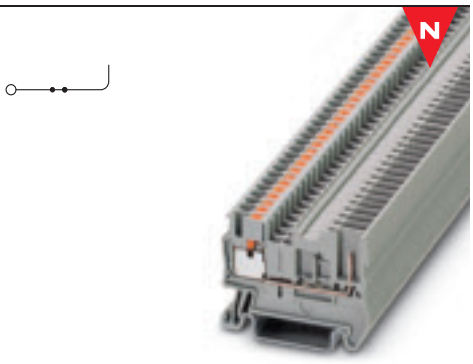
Feed-through terminal blocks with push-in connection PIT-COMBI



For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) The max. load current must not be exceeded by the total current of all connected conductors.

[2]) For derating curve, see page 308.



PIT 2,5/1P ...

The PIT push-in method is characterized by the 50% lower insertion forces, use of a compact design as well as a front connection. It is particularly suitable for wiring solid wires and conductors with ferrules that can be connected without using tools by simply plugging them in.

The COMBI connectors with the PIT push-in method and those with the ST spring-cage connection method have the same shape. With 24 A / 500 V, they can be used for signal wiring as well as for power networking.

There is also a ground terminal block with the same shape as the basic terminal block.

Note:

The SP..., UP..., QP..., and PP... connectors suitable for PIT-COMBI terminal blocks are documented, see page 276.

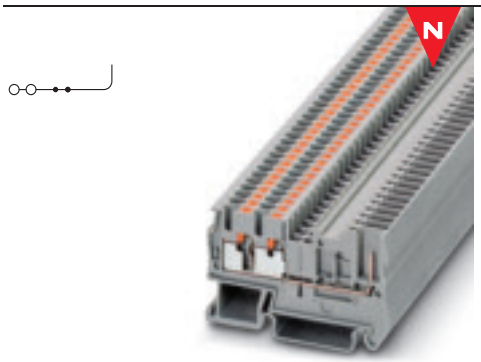
Dimensions	Width	Length	Height NS 35/7,5	
[mm]	**5.2**	**48.5**	**36.5**	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
	24	**500**	**0.14 - 4**	**26 - 12**
Rated data	IEC 61984 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	500	-	-	-
Nominal current / cross-section [A] / [mm²]	24[2]) / 2.5	- / -	- / -	-
Rated cross-section [mm²]	2.5	-	-	-
Cross-section range AWG	26 - 12	-	-	-
Connection capacity	Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor [mm²]	0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule [mm²]				0.5
Directly pluggable connection cross-sections [mm²]	0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
General data				
Stripping length [mm]	10			
Insulating material	PA			
Inflammability class acc. to UL 94	V0			

Ordering data

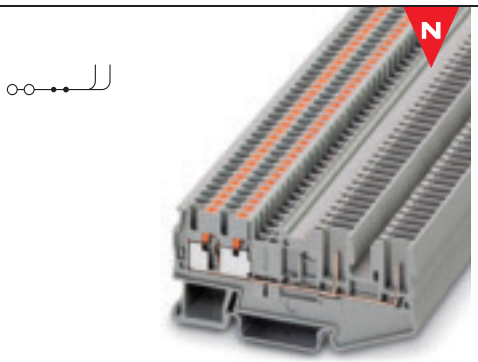
Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		Gray	**PIT 2,5/1P**		**3210033**	50
		Blue	**PIT 2,5/1P BU**		**3210046**	50

Accessories

Cover, width 2.2 mm		Gray	**D-ST 2,5**		**3030417**	50
End cover segment, for covering multi-conductor terminal blocks when two-conductor terminal blocks are aligned		Gray				
Insulation stop sleeve, cross-section range:						
0.08 - 0.2 mm²		White	**ISH 2,5/0,2**		**3002843**	50
0.25 - 0.5 mm²		Gray	**ISH 2,5/0,5**		**3002856**	50
0.75 - 1 mm²		Black	**ISH 2,5/1,0**		**3002869**	50
Plug-in bridge for cross connections in the bridge shaft						
	2	Red	**FBS 2-5**	24 A	**3030161**	50
	3	Red	**FBS 3-5**	24 A	**3030174**	50
	4	Red	**FBS 4-5**	24 A	**3030187**	50
	5	Red	**FBS 5-5**	24 A	**3030190**	50
	10	Red	**FBS 10-5**	24 A	**3030213**	10
	20	Red	**FBS 20-5**	24 A	**3030226**	10
Partition plate, for visual and electrical separation of terminal groups, 2 mm thick		Gray	**ATP-ST 4**		**3030721**	50
Screw flange, for ST COMBI terminal blocks, For ST 2,5/1P, ST 2,5/1P-PE, PIT 2,5/1P, PIT 2,5/1P-PE		Gray	**ST 2,5/1P-F**		**3209837**	50
Test adapter, for 4 mm Ø PS test plug and 4 mm safety test plug, makes contact in the bridge shaft		Gray	**PAI-4**		**3030925**	10
Test plug, consisting of: metal part for 2.3 mm Ø socket hole and			**MPS-MT**		**0201744**	10
insulating sleeve for MPS metal part		Red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		Red	**PS-5**		**3030983**	10
Coding star, with 4 coding branches, can be inserted in all basic terminal blocks		Red	**PC**		**3040588**	50
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10
UniCard sheet, for labeling the center groove			**UC-TM 5 (see page 479)**			
UniCard sheet, flat, for labeling the center and lateral grooves			**UC-TMF 5 (see page 482)**			
Zack markers, for labeling the center groove			**ZB 5 (see page 487)**			
Zack marker strip, flat, for labeling the center and lateral grooves			**ZBF 5 (see page 492)**			



PIT 2,5-TWIN/1P ...



PIT 2,5-QUATTRO/2P ...

Width	Length	Height NS 35/7,5	
5.2	**60.5**	**36.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
24[1])	**500**	**0.14 - 4**	**26 - 12**
IEC 61984			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	-	-	-
24[2]) / 2.5	- / -	- / -	-
2.5	-	-	-
26 - 12	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
			0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

Width	Length	Height NS 35/7,5	
5.2	**81**	**36.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
24[1])	**500**	**0.14 - 4**	**26 - 12**
IEC 61984			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	-	-	-
24[2]) / 2.5	- / -	- / -	-
2.5	-	-	-
26 - 12	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
			0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
PIT 2,5-TWIN/1P		**3209633**	50
PIT 2,5-TWIN/1P BU		**3209646**	50
D-ST 2,5-TWIN		**3030488**	50
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
ATP-ST-TWIN		**3030789**	50
ST 2,5-TWIN/1P-F		**3209840**	50
PAI-4		**3030925**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
PC		**3040588**	50
SZF 1-0,6X3,5		**1204517**	10
UC-TM 5 (see page 479)			
UC-TMF 5 (see page 482)			
ZB 5 (see page 487)			
ZBF 5 (see page 492)			

Type	I_{max}	Order No.	Pcs. / Pkt.
PIT 2,5-QUATTRO/2P		**3209662**	50
PIT 2,5-QUATTRO/2P BU		**3209675**	50
D-ST 2,5-QUATTRO/ 2P		**3040083**	50
DS-ST 2,5		**3036602**	10
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
ATP-ST QUATTRO		**3030815**	50
ST 2,5-QUATTRO/2P-F		**3209853**	50
PAI-4		**3030925**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
PC		**3040588**	50
SZF 1-0,6X3,5		**1204517**	10
UC-TM 5 (see page 479)			
UC-TMF 5 (see page 482)			
ZB 5 (see page 487)			
ZBF 5 (see page 492)			

Ground terminal blocks with push-in connection PIT-COMBI

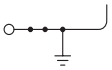
There is also a ground terminal block with the same shape as the basic terminal block. Contact to the DIN rail is made by simply snapping the terminal block onto the DIN rail. The requirements of IEC 60947-7-2 are thereby met.

Note:

The SP..., UP..., QP..., and PP... connectors suitable for PIT-COMBI terminal blocks are documented, see page 276.

Current carrying capacity of DIN rails, see page 728.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.





PIT 2,5/1P-PE

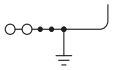
Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**48.5**	**36.5**	
Max. electrical data				Max. Ø [mm²]	AWG
				0.14 - 4	**26 - 12**
Rated data		IEC 61984 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	-	-	-	-
Nominal current / cross-section	[A] / [mm²]	- / -	- / -	- / -	-
Rated cross-section	[mm²]	2.5	-	-	-
Cross-section range	AWG	26 - 12	-	-	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]				0.5
Directly pluggable connection cross-sections	[mm²]	0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
General data					
Stripping length	[mm]	10			
Insulating material		PA			
Inflammability class acc. to UL 94		V0			

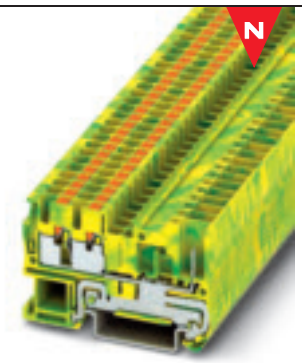
Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.
Ground terminal block, for mounting on NS 35...		Green-yellow	**PIT 2,5/1P-PE**	**3210059**	50

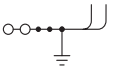
Accessories

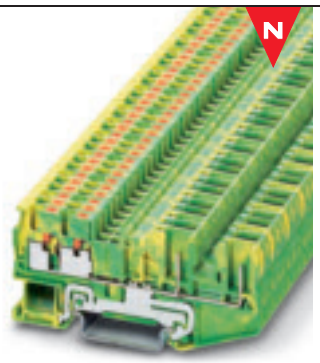
Cover, width 2.2 mm		Gray	**D-ST 2,5**	**3030417**	50
Insulation stop sleeve, cross-section range:					
0.08 - 0.2 mm²		White	**ISH 2,5/0,2**	**3002843**	50
0.25 - 0.5 mm²		Gray	**ISH 2,5/0,5**	**3002856**	50
0.75 - 1 mm²		Black	**ISH 2,5/1,0**	**3002869**	50
Plug-in bridge for cross connections in the bridge shaft					
	2	Red	**FBS 2-5**	**3030161**	50
	3	Red	**FBS 3-5**	**3030174**	50
	4	Red	**FBS 4-5**	**3030187**	50
	5	Red	**FBS 5-5**	**3030190**	50
	10	Red	**FBS 10-5**	**3030213**	10
	20	Red	**FBS 20-5**	**3030226**	10
Partition plate, for visual and electrical separation of terminal groups, 2 mm thick		Gray	**ATP-ST 4**	**3030721**	50
Screw flange, for ST COMBI terminal blocks, for ST 2,5/1P, ST 2,5/1P-PE, PIT 2,5/1P, PIT 2,5/1P-PE		Gray	**ST 2,5/1P-F**	**3209837**	50
Test adapter, for 4 mm Ø PS test plug and 4 mm safety test plug, makes contact in the bridge shaft		Gray	**PAI-4**	**3030925**	10
Test plug, consisting of: metal part for 2.3 mm Ø socket hole and			**MPS-MT**	**0201744**	10
insulating sleeve for MPS metal part		Red	**MPS-IH RD**	**0201676**	10
Modular test plug, for the individual assembly of test plug strips		Red	**PS-5**	**3030983**	10
Coding star, with 4 coding branches, can be inserted in all basic terminal blocks		Red	**PC**	**3040588**	50
Screwdriver			**SZF 1-0,6X3,5**	**1204517**	10
UniCard sheet, for labeling the center groove			**UC-TM 5 (see page 479)**		
UniCard sheet, flat, for labeling the center and lateral grooves			**UC-TMF 5 (see page 482)**		
Zack markers, for labeling the center groove			**ZB 5 (see page 487)**		
Zack marker strip, flat, for labeling the center and lateral grooves			**ZBF 5 (see page 492)**		





PIT 2,5-TWIN/1P-PE





PIT 2,5-QUATTRO/2P-PE

Width	Length	Height NS 35/7,5	
5.2	**60.5**	**36.5**	
		Max. Ø [mm²]	AWG
		0.14 - 4	**26 - 12**
IEC 61984			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	-
2.5	-	-	-
26 - 12	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

Width	Length	Height NS 35/7,5	
5.2	**81**	**36.5**	
		Max. Ø [mm²]	AWG
		0.14 - 4	**26 - 12**
IEC 61984			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	-
2.5	-	-	-
26 - 12	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

Type	Order No.	Pcs. / Pkt.
PIT 2,5-TWIN/1P-PE	**3209659**	50
D-ST 2,5-TWIN	**3030488**	50
ISH 2,5/0,2	**3002843**	50
ISH 2,5/0,5	**3002856**	50
ISH 2,5/1,0	**3002869**	50
FBS 2-5	**3030161**	50
FBS 3-5	**3030174**	50
FBS 4-5	**3030187**	50
FBS 5-5	**3030190**	50
FBS 10-5	**3030213**	10
FBS 20-5	**3030226**	10
ATP-ST-TWIN	**3030789**	50
ST 2,5-TWIN/1P-F	**3209840**	50
PAI-4	**3030925**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-5	**3030983**	10
PC	**3040588**	50
SZF 1-0,6X3,5	**1204517**	10
UC-TM 5 (see page 479)		
UC-TMF 5 (see page 482)		
ZB 5 (see page 487)		
ZBF 5 (see page 492)		

Type	Order No.	Pcs. / Pkt.
PIT 2,5-QUATTRO/2P-PE	**3209688**	50
D-ST 2,5-QUATTRO/ 2P	**3040083**	50
ISH 2,5/0,2	**3002843**	50
ISH 2,5/0,5	**3002856**	50
ISH 2,5/1,0	**3002869**	50
FBS 2-5	**3030161**	50
FBS 3-5	**3030174**	50
FBS 4-5	**3030187**	50
FBS 5-5	**3030190**	50
FBS 10-5	**3030213**	10
FBS 20-5	**3030226**	10
ATP-ST QUATTRO	**3030815**	50
ST 2,5-QUATTRO/2P-F	**3209853**	50
PAI-4	**3030925**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-5	**3030983**	10
PC	**3040588**	50
SZF 1-0,6X3,5	**1204517**	10
UC-TM 5 (see page 479)		
UC-TMF 5 (see page 482)		
ZB 5 (see page 487)		
ZBF 5 (see page 492)		

Multi-level terminal blocks with push-in connection PIT-COMBI

The potentials of PITTB 2,5/ 2P... double-level terminal blocks routed on two levels reduce space requirements by 50% compared to single-level terminal blocks. The PITTB 2,5/ 2P series can be bridged on both levels using the FBS plug-in bridge system to implement various switching tasks.

Thus, individual power supplies can be assembled using the pluggable double-level terminal block. You can inexpensively replace the supply with heavy-duty connectors in the control cabinet.

There is also a ground terminal block same shape as the basic terminal block.

Note:

The SP..., UP..., QP..., and PP.. connectors suitable for PIT-COMBI terminal blocks are documented, see page 276.



Current carrying capacity of DIN rails, see page 728.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) The max. load current must not be exceeded by the total current of all connected conductors.

[2]) Derating curve available on request.



PITTB 2,5/2P ...

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**71.5**	**47.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		22[2])	**500**	**0.14 - 4**	**26 - 12**
Rated data		IEC 61984 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	-	-	-
Nominal current / cross-section	[A] / [mm²]	22[2]) / 2.5	- / -	- / -	-
Rated cross-section	[mm²]	2.5	-	-	-
Cross-section range	AWG	26 - 12	-	-	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]				0.5
Directly pluggable connection cross-sections	[mm²]	0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
General data					
Stripping length	[mm]	10			
Insulating material		PA			
Inflammability class acc. to UL 94		V0			

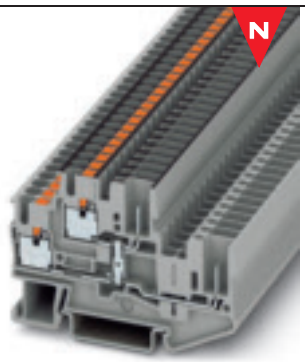
Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		Gray	**PITTB 2,5/2P**		**3210871**	50
		Blue	**PITTB 2,5/2P BU**		**3210884**	50
Terminal block, with equipotential bonder, for mounting on NS 35...		Gray				
Ground terminal block, for mounting on NS 35...		Green-yellow				

Accessories

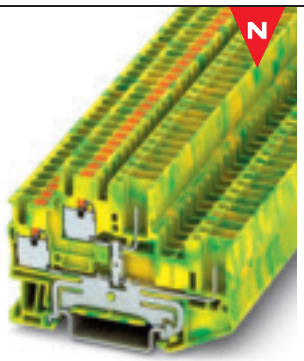
Cover, width 2.2 mm			**D-PITTB 2,5/2P**		**3211320**	50
Insulation stop sleeve, cross-section range:						
0.08 - 0.2 mm²		White	**ISH 2,5/0,2**		**3002843**	50
0.25 - 0.5 mm²		Gray	**ISH 2,5/0,5**		**3002856**	50
0.75 - 1 mm²		Black	**ISH 2,5/1,0**		**3002869**	50
Plug-in bridge for cross connections in the bridge shaft						
	2	Red	**FBS 2-5**	24 A	**3030161**	50
	3	Red	**FBS 3-5**	24 A	**3030174**	50
	4	Red	**FBS 4-5**	24 A	**3030187**	50
	5	Red	**FBS 5-5**	24 A	**3030190**	50
	10	Red	**FBS 10-5**	24 A	**3030213**	10
	20	Red	**FBS 20-5**	24 A	**3030226**	10
Vertical potential bridge, to connect the upper and lower level						
		Black	**FBS-PV**		**3032185**	50
Partition plate, for visual and electrical separation of terminal groups, 2 mm thick		Gray	**ATP-STTB 4**		**3030747**	50
Screw flange		Gray	**STTB 2,5/2P-F**		**3061169**	50
Test adapter, for 4 mm Ø PS test plug and 4 mm safety test plug, makes contact in the bridge shaft		Gray	**PAI-4**		**3030925**	10
Modular test plug, for the individual assembly of test plug strips		Red	**PS-5**		**3030983**	10
Coding star, with 4 coding branches, can be inserted in all basic terminal blocks		Red	**PC**		**3040588**	50
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10
UniCard sheet, flat, for labeling the lateral groove			**UC-TMF 5 (see page 482)**			
Zack marker strip, flat, for labeling the lateral groove			**ZBF 5 (see page 492)**			





PITTB 2,5/2P-PV





PITTB 2,5/2P-PE

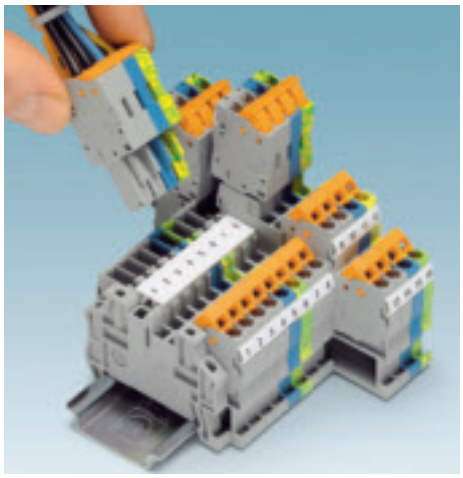
Width	Length	Height NS 35/7,5	
5.2	**71.5**	**47.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
22[1])	**500**	**0.14 - 4**	**26 - 12**
IEC 61984			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	-	-	-
22[2]) / 2.5	- / -	- / -	-
2.5	-	-	-
26 - 12	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
			0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

Width	Length	Height NS 35/7,5	
5.2	**71.5**	**47.5**	
		Max. Ø [mm²]	AWG
		0.14 - 4	**26 - 12**
IEC 61984			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	-
2.5	-	-	-
26 - 12	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
			0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
PITTB 2,5/2P-PV		**3210907**	50
D-PITTB 2,5/2P		**3211320**	50
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
ATP-STTB 4		**3030747**	50
STTB 2,5/2P-F		**3061169**	50
PAI-4		**3030925**	10
PS-5		**3030983**	10
PC		**3040588**	50
SZF 1-0,6X3,5		**1204517**	10
UC-TMF 5 (see page 482)			
ZBF 5 (see page 492)			

Type	Order No.	Pcs. / Pkt.
PITTB 2,5/2P-PE	**3210897**	50
D-PITTB 2,5/2P	**3211320**	50
ISH 2,5/0,2	**3002843**	50
ISH 2,5/0,5	**3002856**	50
ISH 2,5/1,0	**3002869**	50
FBS 2-5	**3030161**	50
FBS 3-5	**3030174**	50
FBS 4-5	**3030187**	50
FBS 5-5	**3030190**	50
FBS 10-5	**3030213**	10
FBS 20-5	**3030226**	10
ATP-STTB 4	**3030747**	50
STTB 2,5/2P-F	**3061169**	50
PAI-4	**3030925**	10
PS-5	**3030983**	10
PC	**3040588**	50
SZF 1-0,6X3,5	**1204517**	10
UC-TMF 5 (see page 482)		
ZBF 5 (see page 492)		

Pluggable feed-through and ground terminal blocks QT-COMBI



The advantages of the IDC cutting contact are combined with the universal pluggability of all four connection methods of the CLIPLINE complete system. On the control cabinet side, the time-saving QUICKON fast connection is used. On the field side, all four connection methods can be used as male connectors.

In the QT-COMBI basic terminal blocks, the signal and power wiring are pluggable with the nominal data of 17.5 A and 500 V.

Even ground terminal blocks of the same shape are available.

Note:

The SP..., UP..., QP..., and PP.. connectors suitable for QT-COMBI terminal blocks are documented, see page 276.

Current carrying capacity of DIN rails, see page 728.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) The max. load current must not be exceeded by the total current of all connected conductors.

[2]) For derating curve, see page 308.



QTC 1,5/ 1P ...

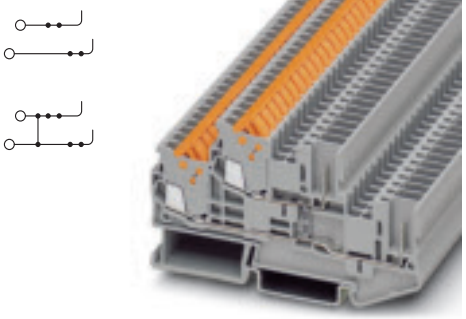
Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**53.5**	**39.3**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		17.5[2])	**500**	**0.25 - 1.5**	**24 - 16**
Rated data		IEC 61984 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	600	600	-
Nominal current / cross-section	[A] / [mm²]	17.5[2]) / 1.5	10 / -	10 / -	-
Rated cross-section	[mm²]	1.5	-	-	-
Cross-section range	AWG	24 - 16	24-16	24-16	-
Connection cross-section in acc. with DIN VDE 0295					
H05V(Z) / H07V(Z)	[mm²]	0.5 - 1.5			
Class 5 / class 6 [litz wires Ø ≥ 0.1 mm]	[mm²]	0.25 - 0.34			
[Litz wires Ø ≥ 0.19 mm]	AWG	24 - 16			
Frequency of connections with the same cross-section		100			
General data					
Insulating material		PA			
Inflammability class acc. to UL 94		V0			

Ordering data

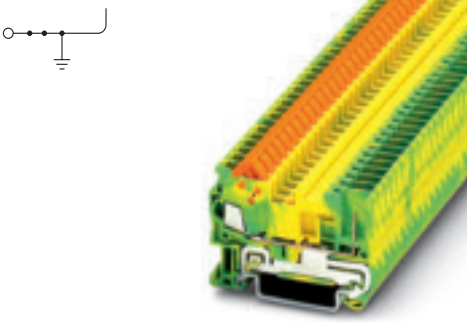
Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		Gray Blue	**QTC 1,5/ 1P** **QTC 1,5/ 1P BU**		**3050073** **3050086**	50 50
Terminal block, with equipotential bonder, for mounting on NS 35...[1])		Gray				
Ground terminal block, for mounting on NS 35...		Green-yellow				

Accessories

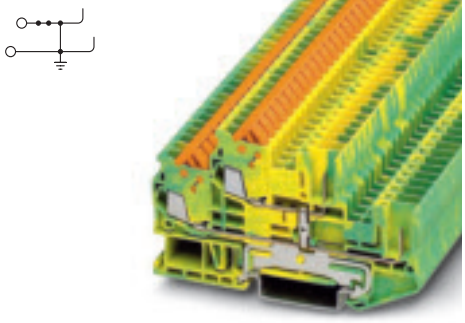
Cover, width 2.2 mm		Gray	**D-QTC 1,5/1P**		**3206322**	50
Plug-in bridge for cross connections in the bridge shaft						
	2	Red	**FBS 2-5**	24 A	**3030161**	50
	3	Red	**FBS 3-5**	24 A	**3030174**	50
	4	Red	**FBS 4-5**	24 A	**3030187**	50
	5	Red	**FBS 5-5**	24 A	**3030190**	50
	10	Red	**FBS 10-5**	24 A	**3030213**	10
	20	Red	**FBS 20-5**	24 A	**3030226**	10
Partition plate, for visual and electrical separation of terminal groups, 2 mm thick		Gray	**ATP-QTC**		**3206209**	50
Screw flange, for QTC COMBI terminal blocks, for QTC 1,5/1P, QTC 1,5/1P-PE		Gray	**QTC 1,5/1P-F**		**3061211**	50
Test adapter, for 4 mm Ø PS test plug and 4 mm safety test plug, makes contact in the bridge shaft		Gray	**PAI-4**		**3030925**	10
Test plug, consisting of: metal part for 2.3 mm Ø socket hole and			**MPS-MT**		**0201744**	10
insulating sleeve for MPS metal part		Red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		Red	**PS-5**		**3030983**	10
Coding star, with 4 coding branches, can be inserted in all basic terminal blocks		Red	**PC**		**3040588**	50
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10
UniCard sheet, for labeling the center groove			**UC-TM 5 (see page 479)**			
UniCard sheet, flat, for labeling the center and lateral grooves			**UC-TMF 5 (see page 482)**			
Zack markers, for labeling the center groove			**ZB 5 (see page 487)**			
Zack marker strip, flat, for labeling the center and lateral grooves			**ZBF 5 (see page 492)**			



QTTCB 1,5/ 2P ...



QTC 1,5/ 1P-PE



QTTCB 1,5/ 2P-PE

Width	Length	Height NS 35/7,5	
5.2	**87.8**	**49.9**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
17.5²)	**500**	**0.25 - 1.5**	**24 - 16**
IEC 61984			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	600	600	-
17.5²) / 1.5	10 / -	10 / -	-
1.5	-	-	-
24 - 16	24-16	24-16	-
0.5 - 1.5			
0.25 - 0.34			
24 - 16			
100			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
QTTCB 1,5/ 2P		**3050196**	50
QTTCB 1,5/ 2P BU		**3050206**	50
QTTCB 1,5/ 2P-PV		**3206377**	50
D-QTTCB 1,5/2P		**3206306**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
ATP-QTTCB		**3206238**	50
QTTCB 1,5/ 2P-F		**3061185**	50
PAI-4		**3030925**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
PC		**3040588**	50
SZF 1-0,6X3,5		**1204517**	10
UC-TMF 5 (see page 482)			
ZBF 5 (see page 492)			

Width	Length	Height NS 35/7,5	
5.2	**53.5**	**39.3**	
		Max. Ø [mm²]	AWG
		0.25 - 1.5	**24 - 16**
IEC 61984			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	-
1.5	-	-	-
24 - 16	24-16	24-16	-
0.5 - 1.5			
0.25 - 0.34			
24 - 16			
100			
PA			
V0			

Type	Order No.	Pcs. / Pkt.
QTC 1,5/ 1P-PE	**3050099**	50
D-QTC 1,5/1P	**3206322**	50
FBS 2-5	**3030161**	50
FBS 3-5	**3030174**	50
FBS 4-5	**3030187**	50
FBS 5-5	**3030190**	50
FBS 10-5	**3030213**	10
FBS 20-5	**3030226**	10
ATP-QTC	**3206209**	50
QTC 1,5/1P-F	**3061211**	50
PAI-4	**3030925**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-5	**3030983**	10
PC	**3040588**	50
SZF 1-0,6X3,5	**1204517**	10
UC-TM 5 (see page 479)		
UC-TMF 5 (see page 482)		
ZB 5 (see page 487)		
ZBF 5 (see page 492)		

Width	Length	Height NS 35/7,5	
5.2	**87.8**	**49.9**	
		Max. Ø [mm²]	AWG
		0.25 - 1.5	**24 - 16**
IEC 61984			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	-
1.5	-	-	-
24 - 16	24-16	24-16	-
0.5 - 1.5			
0.25 - 0.34			
24 - 16			
100			
PA			
V0			

Type	Order No.	Pcs. / Pkt.
QTTCB 1,5/ 2P-PE	**3050219**	50
D-QTTCB 1,5/2P	**3206306**	50
FBS 2-5	**3030161**	50
FBS 3-5	**3030174**	50
FBS 4-5	**3030187**	50
FBS 5-5	**3030190**	50
FBS 10-5	**3030213**	10
FBS 20-5	**3030226**	10
ATP-QTTCB	**3206238**	50
QTTCB 1,5/ 2P-F	**3061185**	50
PAI-4	**3030925**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-5	**3030983**	10
PC	**3040588**	50
SZF 1-0,6X3,5	**1204517**	10
UC-TMF 5 (see page 482)		
ZBF 5 (see page 492)		

COMBI couplings with a spring-cage connection

With the SC ... couplings, plug-in contacts can be safely accommodated in cable ducts and distributor shafts without using much space. Standard strain reliefs can be used. Large-area labeling makes it possible to mark the terminal points and the entire coupling. A test hole can accommodate a 2.3 mm ø test plug in each coupling disk.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) Derating curve available on request.



SC 2,5/...

Coupling



SC 4/...

Coupling

Dimensions		Width	Length	Height		Width	Length	Height	
	[mm]	**10.4**	**37.2**	**18.8**		**12.4**	**48.6**	**22.3**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG	$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		24[1])	**500**	**0.08 - 4**	**28 - 12**	**32[1])**	**800**	**0.08 - 6**	**28 - 12**
Rated data		IEC 61984 IEC	UL / CUL	CSA	IEC/ EN 60079-7	IEC 61984 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	300	-	-	800	600	-	-
Nominal current / cross-section	[A] / [mm²]	24[1]) / 2.5	20 / -	- / -	- / -	32[1]) / 4	30 / -	- / -	- / -
Rated cross-section	[mm²]	2.5	-	-	-	4	-	-	-
Cross-section range	AWG	28 - 12	26-12	-	-	28 - 12	28-10	-	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5	0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4
Two stranded conductors with a TWIN ferrule	[mm²]				0.5				0.5 - 1
General data									
Stripping length	[mm]	10				10			
Insulating material		PA				PA			
Inflammability class acc. to UL 94		V0				V0			

Ordering data

Description	No. of pos.	Width	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
COMBI coupling, with a spring-cage connection									
	2	10.4 mm	Gray	**SC 2,5/ 2**	**3041312**	50			
	3	15.6 mm	Gray	**SC 2,5/ 3**	**3042269**	50			
	4	20.8 mm	Gray	**SC 2,5/ 4**	**3042272**	50			
	5	26 mm	Gray	**SC 2,5/ 5**	**3042285**	50			
	6	31.2 mm	Gray	**SC 2,5/ 6**	**3042298**	25			
	7	36.4 mm	Gray	**SC 2,5/ 7**	**3041367**	25			
	8	41.6 mm	Gray	**SC 2,5/ 8**	**3042308**	25			
	9	46.8 mm	Gray	**SC 2,5/ 9**	**3041383**	25			
	10	52 mm	Gray	**SC 2,5/10**	**3042311**	25			
	11	57.2 mm	Gray	**SC 2,5/11**	**3041406**	10			
	12	62.4 mm	Gray	**SC 2,5/12**	**3042324**	10			
	13	67.6 mm	Gray	**SC 2,5/13**	**3041422**	10			
	14	72.8 mm	Gray	**SC 2,5/14**	**3041435**	10			
	15	78 mm	Gray	**SC 2,5/15**	**3041448**	10			
COMBI coupling, with a spring-cage connection									
	2	12.4 mm	Gray				**SC 4/ 2**	**3042450**	50
	3	18.6 mm	Gray				**SC 4/ 3**	**3042463**	50
	4	24.8 mm	Gray				**SC 4/ 4**	**3042476**	50
	5	31 mm	Gray				**SC 4/ 5**	**3042489**	50
	5	31 mm	Gray				**SC 4/ 5**	**3042489**	50
	6	37.2 mm	Gray				**SC 4/ 6**	**3042492**	25
	7	43.4 mm	Gray				**SC 4/ 7**	**3042502**	25
	8	49.6 mm	Gray				**SC 4/ 8**	**3042515**	25
	9	55.8 mm	Gray				**SC 4/ 9**	**3042528**	25
	10	62 mm	Gray				**SC 4/10**	**3042531**	25
	11	68.2 mm	Gray				**SC 4/11**	**3042544**	10
	12	74.4 mm	Gray				**SC 4/12**	**3042557**	10
	13	80.6 mm	Gray				**SC 4/13**	**3042560**	10
	14	86.8 mm	Gray				**SC 4/14**	**3042573**	10
	15	93 mm	Gray				**SC 4/15**	**3042586**	10

Accessories

Test plug, consisting of: metal part for 2.3 mm Ø socket hole and **insulating sleeve** for MPS metal part	Red	**MPS-MT** **MPS-IH RD**	**0201744** **0201676**	10 10	**MPS-MT** **MPS-IH RD**	**0201744** **0201676**	10 10
Strain relief, for SPDB... connector and SC 2,5... receptacle, 2-pos.	Black	**PDZ/2**	**3040562**	50	**CZ/2**	**3043831**	50
Coding star, with 4 coding branches, can be inserted in all basic terminal blocks	Red	**PC**	**3040588**	50	**PC**	**3040588**	50
UniCard sheet, flat, for labeling the lateral groove		**UC-TMF 5 (see page 482)**			**UC-TMF 6 (see page 483)**		
Zack marker strip, flat, for labeling the lateral groove		**ZBF 5 (see page 492)**			**ZBF 6 (see page 493)**		

COMBI couplings with a spring-cage connection for direct mounting

The SC 2,5-RZ/... types offer a possibility for direct mounting. Using an engagement pin, these receptacles can be plugged directly onto the pre-drilled or punched mounting plate. To ensure a secure fit, the bore holes must be burr-free.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) Derating curve available on request.



SC 2,5-RZ/...

Receptacle for direct mounting



SC 4-RZ/...

Receptacle for direct mounting

Dimensions		Width	Length	Height			Width	Length	Height	
	[mm]	**10.4**	**37.2**	**21.8**			**12.4**	**48.6**	**31**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		24[1])	**500**	**0.08 - 4**	**28 - 12**		**32[1])**	**800**	**0.08 - 6**	**28 - 12**
Rated data		IEC 61984 IEC	UL / CUL	CSA	IEC/ EN 60079-7		IEC 61984 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	300	-	-		800	600	-	-
Nominal current / cross-section	[A] / [mm²]	24[1]) / 2.5	20 / -	- / -	- / -		32[1]) / 4	30 / -	- / -	- / -
Rated cross-section	[mm²]	2.5	-	-	-		4	-	-	-
Cross-section range	AWG	28 - 12	26-12	-	-		28 - 12	28-10	-	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve			Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5		0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4
Two stranded conductors with a TWIN ferrule	[mm²]				0.5					0.5 - 1
General data										
Stripping length	[mm]	10					10			
Plate thickness	[mm]	0.8 - 1.5					0.8 - 1.5			
Hole diameter	[mm]	3.5					3.5			
Drill hole spacing	[mm]	5.2					6.2			
Insulating material		PA					PA			
Inflammability class acc. to UL 94		V0					V0			

Ordering data

Description	No. of pos.	Width	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
COMBI coupling, with a spring-cage connection, with engagement pins									
	2	10.4 mm	Gray	**SC 2,5-RZ/ 2**	**3041516**	50			
	3	15.6 mm	Gray	**SC 2,5-RZ/ 3**	**3041529**	50			
	4	20.8 mm	Gray	**SC 2,5-RZ/ 4**	**3041532**	50			
	5	26 mm	Gray	**SC 2,5-RZ/ 5**	**3041545**	50			
	6	31.2 mm	Gray	**SC 2,5-RZ/ 6**	**3041558**	25			
	7	36.4 mm	Gray	**SC 2,5-RZ/ 7**	**3041561**	25			
	8	41.6 mm	Gray	**SC 2,5-RZ/ 8**	**3041574**	25			
	9	46.8 mm	Gray	**SC 2,5-RZ/ 9**	**3041590**	25			
	10	52 mm	Gray	**SC 2,5-RZ/10**	**3041587**	25			
	11	57.2 mm	Gray	**SC 2,5-RZ/11**	**3041600**	10			
	12	62.4 mm	Gray	**SC 2,5-RZ/12**	**3041613**	10			
	13	67.6 mm	Gray	**SC 2,5-RZ/13**	**3041626**	10			
	14	72.8 mm	Gray	**SC 2,5-RZ/14**	**3041639**	10			
	15	78 mm	Gray	**SC 2,5-RZ/15**	**3041642**	10			
COMBI coupling, with a spring-cage connection, with engagement pins									
	2	12.4 mm	Gray				**SC 4-RZ/ 2**	**3042625**	50
	3	18.6 mm	Gray				**SC 4-RZ/ 3**	**3042638**	50
	4	24.8 mm	Gray				**SC 4-RZ/ 4**	**3042641**	50
	5	31 mm	Gray				**SC 4-RZ/ 5**	**3042654**	50
	6	37.2 mm	Gray				**SC 4-RZ/ 6**	**3042667**	25
	7	43.4 mm	Gray				**SC 4-RZ/ 7**	**3042670**	25
	8	49.6 mm	Gray				**SC 4-RZ/ 8**	**3042683**	25
	9	55.8 mm	Gray				**SC 4-RZ/ 9**	**3042696**	25
	10	62 mm	Gray				**SC 4-RZ/10**	**3042706**	25
	11	68.2 mm	Gray				**SC 4-RZ/11**	**3043323**	10
	12	74.4 mm	Gray				**SC 4-RZ/12**	**3043336**	10
	13	80.6 mm	Gray				**SC 4-RZ/13**	**3043349**	10
	14	86.8 mm	Gray				**SC 4-RZ/14**	**3043352**	10
	15	93 mm	Gray				**SC 4-RZ/15**	**3043365**	10

Accessories

Strain relief, for SPDB... connector and SC 2,5... receptacle, 2-pos.	Black	**PDZ/2**	**3040562**	50	**CZ/2**	**3043831**	50
Coding star, with 4 coding branches, can be inserted in all basic terminal blocks	Red	**PC**	**3040588**	50	**PC**	**3040588**	50
UniCard sheet, flat, for labeling the lateral groove		**UC-TMF 5 (see page 482)**			**UC-TMF 6 (see page 483)**		
Zack marker strip, flat, for labeling the lateral groove		**ZBF 5 (see page 492)**			**ZBF 6 (see page 493)**		

Self-assembly COMBI couplings with a spring-cage connection

The ST-COMBI couplings for self-assembly provide solutions that users can implement themselves. The receptacle is assembled directly on site by snapping together one-position receptacle elements.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) Derating curve available on request.



SC 2,5/ 1-L ...

Receptacle for self-assembly



SC 4/ 1-L ...

Receptacle for self-assembly

Dimensions		Width	Length	Height		Width	Length	Height	
	[mm]	**5.2**	**37.2**	**21.8**		**6.2**	**48.6**	**22.3**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG	$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		24[1])	**500**	**0.08 - 4**	**28 - 12**	**32[1])**	**800**	**0.08 - 6**	**28 - 12**
Rated data		IEC 61984 IEC	UL / CUL	CSA	IEC/ EN 60079-7	IEC 61984 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	300	-	-	800	600	-	-
Nominal current / cross-section	[A] / [mm²]	24[1]) / 2.5	20 / -	- / -	- / -	32[1]) / 4	30 / -	- / -	- / -
Rated cross-section	[mm²]	2.5	-	-	-	4	-	-	-
Cross-section range	AWG	28 - 12	26-12	-	-	28 - 12	28-10	-	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5	0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4
Two stranded conductors with a TWIN ferrule	[mm²]				0.5				0.5 - 1
General data									
Stripping length	[mm]	10				10			
Insulating material		PA				PA			
Inflammability class acc. to UL 94		V0				V0			

Ordering data

Description	No. of pos.	Width	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
COMBI coupling, with a spring-cage connection	1	5.2 mm	Gray	**SC 2,5/ 1-L**	**3042188**	50			
COMBI coupling, with a spring-cage connection	1	5.2 mm	Blue	**SC 2,5/ 1-L BU**	**3042191**	50			
COMBI coupling, with a spring-cage connection	1	5.2 mm	Green-yellow	**SC 2,5/ 1-L GNYE**	**3042201**	50			
COMBI coupling, with a spring-cage connection	1	6.2 mm	Gray				**SC 4/ 1-L**	**3042599**	50
COMBI coupling, with a spring-cage connection	1	6.2 mm	Blue				**SC 4/ 1-L BU**	**3042609**	50
COMBI coupling, with a spring-cage connection	1	6.2 mm	Green-yellow				**SC 4/ 1-L GNYE**	**3042612**	50

Accessories

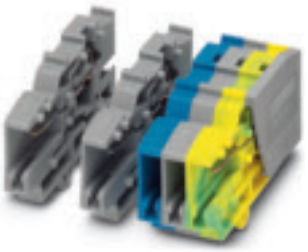
Cover, width 2.2 mm			Gray	**D-SC 2,5**	**3042243**	50	**D-SC 4**	**3043307**	50
Insulation stop sleeve, cross-section range:									
0.25 - 0.5 mm²			Gray				**ISH 4/0,5**	**3002885**	50
0.75 - 1 mm²			Black				**ISH 4/1,0**	**3002898**	50
Test plug, consisting of: metal part for 2.3 mm Ø socket hole and				**MPS-MT**	**0201744**	10	**MPS-MT**	**0201744**	10
insulating sleeve for MPS metal part			Red	**MPS-IH RD**	**0201676**	10	**MPS-IH RD**	**0201676**	10
Strain relief, for SPDB... connector and SC 2,5... receptacle, 2-pos.			Black	**PDZ/2**	**3040562**	50	**CZ/2**	**3043831**	50
4-pos.			Black	**PDZ/4**	**3040575**	50			
Coding star, with 4 coding branches, can be inserted in all basic terminal blocks			Red	**PC**	**3040588**	50	**PC**	**3040588**	50
Screwdriver				**SZF 1-0,6X3,5**	**1204517**	10	**SZF 1-0,6X3,5**	**1204517**	10
UniCard sheet, flat, for labeling the lateral groove				**UC-TMF 5 (see page 482)**			**UC-TMF 6 (see page 483)**		
Zack marker strip, flat, for labeling the lateral groove				**ZBF 5 (see page 492)**			**ZBF 6 (see page 493)**		

Self-assembly COMBI couplings with a spring-cage connection for direct mounting

The self-assembly SC ...-RZ/... types offer the possibility of direct mounting. Using an engagement pin, these couplings can be plugged directly onto a pre-drilled or stamped mounting plate. To ensure a safe fit, the bore holes must be burr-free.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) Derating curve available on request.



SC 2,5-RZ/ 1-L ...

Self-assembly receptacle for direct mounting



SC 4-RZ/ 1-L ...

Self-assembly receptacle for direct mounting

Dimensions		Width	Length	Height		Width	Length	Height	
	[mm]	**5.2**	**37.2**	**21.8**		**6.2**	**48.6**	**31**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG	$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		24[1])	**500**	**0.08 - 4**	**28 - 12**	**32[1])**	**800**	**0.08 - 6**	**28 - 12**
Rated data		IEC 61984 IEC	UL / CUL	CSA	IEC/ EN 60079-7	IEC 61984 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	300	-	-	800	600	-	-
Nominal current / cross-section	[A] / [mm²]	24[1]) / 2.5	20 / -	- / -	- / -	32[1]) / 4	30 / -	- / -	- / -
Rated cross-section	[mm²]	2.5	-	-	-	4	-	-	-
Cross-section range	AWG	28 - 12	26-12	-	-	28 - 12	28-10	-	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5	0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4
Two stranded conductors with a TWIN ferrule	[mm²]				0.5				0.5 - 1
General data									
Stripping length	[mm]	10				10			
Plate thickness	[mm]	0.8 - 1.5				0.8 - 1.5			
Hole diameter	[mm]	3.5				3.5			
Drill hole spacing	[mm]	5.2				6.2			
Insulating material		PA				PA			
Inflammability class acc. to UL 94		V0				V0			

Ordering data

Description	No. of pos.	Width	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
COMBI coupling, with a spring-cage connection, with engagement pins	1	5.2 mm	Gray	**SC 2,5-RZ/ 1-L**	**3042214**	50			
COMBI coupling, with a spring-cage connection, with engagement pins	1	5.2 mm	Blue	**SC 2,5-RZ/ 1-L BU**	**3042227**	50			
COMBI coupling, with a spring-cage connection, with engagement pins	1	5.2 mm	Green-yellow	**SC 2,5-RZ/ 1-L GNYE**	**3042230**	50			
COMBI coupling, with a spring-cage connection, with engagement pins	1	6.2 mm	Gray				**SC 4-RZ/ 1-L**	**3043378**	50
COMBI coupling, with a spring-cage connection, with engagement pins	1	6.2 mm	Blue				**SC 4-RZ/ 1-L BU**	**3043381**	50
COMBI coupling, with a spring-cage connection, with engagement pins	1	6.2 mm	Green-yellow				**SC 4-RZ/ 1-L GNYE**	**3043394**	50

Accessories

Cover, width 2.2 mm			Gray	**D-SC 2,5**	**3042243**	50	**D-SC 4**	**3043307**	50
Insulation stop sleeve, cross-section range:									
0.25 - 0.5 mm²			Gray				**ISH 4/0,5**	**3002885**	50
0.75 - 1 mm²			Black				**ISH 4/1,0**	**3002898**	50
Test plug, consisting of: metal part for 2.3 mm Ø socket hole and				**MPS-MT**	**0201744**	10	**MPS-MT**	**0201744**	10
insulating sleeve for MPS metal part			Red	**MPS-IH RD**	**0201676**	10	**MPS-IH RD**	**0201676**	10
Strain relief, for SPDB... connector and SC 2,5... receptacle, 2-pos.			Black	**PDZ/2**	**3040562**	50	**CZ/2**	**3043831**	50
4-pos.			Black	**PDZ/4**	**3040575**	50			
Coding star, with 4 coding branches, can be inserted in all basic terminal blocks			Red	**PC**	**3040588**	50	**PC**	**3040588**	50
UniCard sheet, flat, for labeling the lateral groove				**UC-TMF 5 (see page 482)**			**UC-TMF 6 (see page 483)**		
Zack marker strip, flat, for labeling the lateral groove				**ZBF 5 (see page 492)**			**ZBF 6 (see page 493)**		

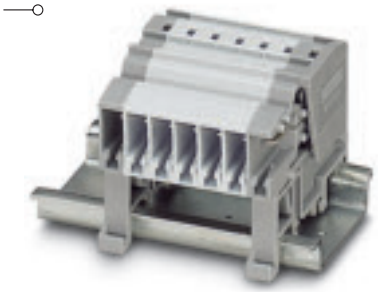
Self-assembly COMBI couplings for DIN rail mounting

The receptacles with spring-cage connection for DIN rail mounting offer the optimum solution for applications where only a low constructional height is available.

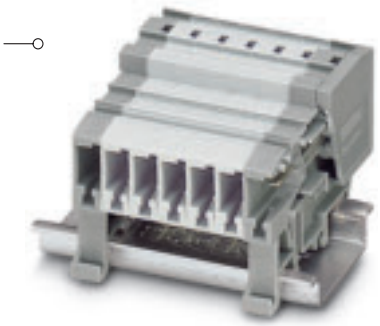
The terminal blocks are snapped onto the free-hanging receptacles SC... as modules and can be used on the NS 15 as well as on the NS 35 DIN rail.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

1) Derating curve available on request.



SC 2,5-NS/1-L



SC 4-NS/1-L

Dimensions		Width	Length	Height NS 35/7,5		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**43.5**	**34**		**6.2**	**48.6**	**35.6**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG	$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		24[1])	**500**	**0.08 - 4**	**28 - 12**	**32[1])**	**800**	**0.08 - 6**	**28 - 12**
Rated data		IEC 61984 IEC	UL / CUL	CSA	IEC/ EN 60079-7	IEC 61984 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	300	-	-	800	600	-	-
Nominal current / cross-section	[A] / [mm²]	24[1]) / 2.5	20 / -	- / -	-	32[1]) / 4	30 / -	- / -	-
Rated cross-section	[mm²]	2.5	-	-	-	4	-	-	-
Cross-section range	AWG	28 - 12	26-12	-	-	28 - 12	28-10	-	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5	0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4
Two stranded conductors with a TWIN ferrule	[mm²]				0.5				0.5 - 1
General data									
Stripping length	[mm]	10				10			
Insulating material		PA				PA			
Inflammability class acc. to UL 94		V0				V0			

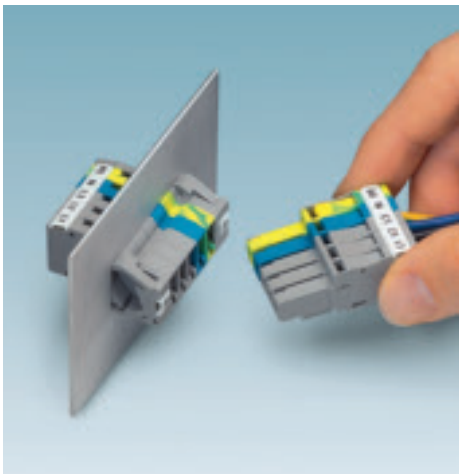
Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
COMBI coupling, with a spring-cage connection for mounting on the NS 35 or NS 15 DIN rail	Gray	**SC 2,5-NS/ 1-L**	**3042340**	50	**SC 4-NS/ 1-L**	**3043404**	50

Accessories

Cover, width 2.2 mm	Gray	**D-SC 2,5**	**3042243**	50	**D-SC 4**	**3043307**	50
Insulation stop sleeve, cross-section range:							
0.08 - 0.2 mm²	White	**ISH 2,5/0,2**	**3002843**	50			
0.25 - 0.5 mm²	Gray	**ISH 2,5/0,5**	**3002856**	50	**ISH 4/0,5**	**3002885**	50
0.75 - 1 mm²	Black	**ISH 2,5/1,0**	**3002869**	50	**ISH 4/1,0**	**3002898**	50
Test plug, consisting of: metal part for 2.3 mm Ø socket hole and		**MPS-MT**	**0201744**	10	**MPS-MT**	**0201744**	10
insulating sleeve for MPS metal part	Red	**MPS-IH RD**	**0201676**	10	**MPS-IH RD**	**0201676**	10
Strain relief, for SPDB... connector and SC 2,5... receptacle, 2-pos.	Black	**PDZ/2**	**3040562**	50	**CZ/2**	**3043831**	50
4-pos.	Black	**PDZ/4**	**3040575**	50			
Coding star, with 4 coding branches, can be inserted in all basic terminal blocks	Red	**PC**	**3040588**	50	**PC**	**3040588**	50
Screwdriver		**SZF 1-0,6X3,5**	**1204517**	10	**SZF 1-0,6X3,5**	**1204517**	10
UniCard sheet, flat, for labeling the lateral groove		**UC-TMF 5 (see page 482)**			**UC-TMF 5 (see page 482)**		
Zack marker strip, flat, for labeling the lateral groove		**ZBF 5 (see page 492)**			**ZBF 5 (see page 492)**		

Panel feed-through for COMBI couplings



For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



SSL 2,5

The SC... free-hanging receptacles of the ST-COMBI series provide the user with a powerful plug-in system independent of the DIN rail. The SSL 2,5 panel feed-through provides a solution for panel feed-throughs. The elements are snapped onto the SC 2,5 or SC 4 free-hanging receptacles, and pushed into the panel cutout where they snap in automatically. The actuating lever is then pressed down to manually to secure the receptacle. The SSL 2,5 can be flexibly used for plate thicknesses of 0.8 mm to 3 mm (0.031 to 0.118 in.).

Making the panel cutout

A major advantage of this solution is that the panel cutout is easy to make. The height of the rectangular cutout is always the same, and the length depends on the number of positions of the receptacle. There is no longer any need for additional bore holes for fixing screws as in previously common solutions. This means that the cutout can be made quickly.

See page 309.

General data		
Plate thickness	[mm]	0.8 - 3
Section height	[mm]	16.6
Section width	[mm]	5.2 x number of positions + 13 (SC 2,5) 6.2 x number of positions + 14 (SC 4)
Insulating material		PA
Inflammability class acc. to UL 94		V0

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Panel feed-through, for snapping onto SC 2,5 and SC 4 receptacles, 1 SSL 2,5 consists of a left-hand and a right-hand element, for metal thicknesses of 0.8 - 3 mmses of 0.8 - 3 mm	Gray	**SSL 2,5**	**3043815**	50

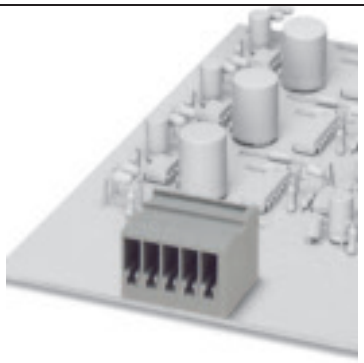
Accessories

Coding star, with 4 coding branches, can be inserted in all basic terminal blocks	Red	**PC**	**3040588**	50
Screwdriver		**SZF 1-0,6X3,5**	**1204517**	10
UniCard sheet, flat, for labeling the lateral groove		**UC-TMF 5 (see page 482)**		
Zack marker strip, flat, for labeling the lateral groove		**ZBF 5 (see page 492)**		

COMBI headers for PCB connection

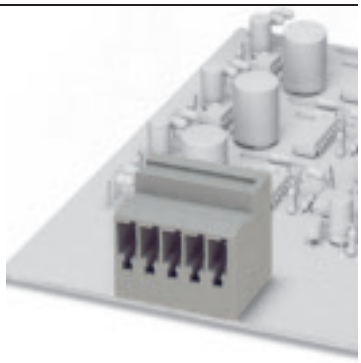
The pitch of this header is coordinated with that of the COMBI connector. Pluggable solutions can be therefore uniformly implemented from the DIN rail up to the device with the same connector.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



ST 2,5-PCB/...-G-5,2

Connection direction **horizontal** to the PCB



ST 4-PCB/...-G-6,2

Connection direction **horizontal** to the PCB

Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG	$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
	24	**500**	**-**	**-**	**32**	**800**	**-**	**-**
Rated data	IEC	UL / CUL	CSA	IEC/ EN 60079-7	IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	500	300	-	-	800	600	-	-
Nominal current / cross-section [A] / [mm²]	24 / 2.5	15 / -	- / -	- / -	32 / 4	20 / -	- / -	- / -
Rated cross-section [mm²]	2.5	-	-	-	4	-	-	-
Cross-section range AWG	-	-	-	-	-	-	-	-
General data								
Hole diameter [mm]	1.6				2			
Pin dimensions [mm]	1 x 1				1 x 1			
Insulating material	PA				PA			
Inflammability class acc. to UL 94	V0				V0			

Ordering data

Description	No. of pos.	Width	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
ST-COMBI coupling, plug-in direction horizontal to the PCB									
	2	10.4 mm	Gray	**ST 2,5-PCB/ 2-G-5,2**	**1980378**	50			
	3	15.6 mm	Gray	**ST 2,5-PCB/ 3-G-5,2**	**1980381**	50			
	4	20.8 mm	Gray	**ST 2,5-PCB/ 4-G-5,2**	**1980394**	50			
	5	26 mm	Gray	**ST 2,5-PCB/ 5-G-5,2**	**1980404**	50			
	6	31.2 mm	Gray	**ST 2,5-PCB/ 6-G-5,2**	**1980417**	50			
	7	36.4 mm	Gray	**ST 2,5-PCB/ 7-G-5,2**	**1980420**	50			
	8	41.6 mm	Gray	**ST 2,5-PCB/ 8-G-5,2**	**1980433**	50			
	9	46.8 mm	Gray	**ST 2,5-PCB/ 9-G-5,2**	**1980446**	50			
	10	52 mm	Gray	**ST 2,5-PCB/10-G-5,2**	**1980459**	50			
	11	57.2 mm	Gray	**ST 2,5-PCB/11-G-5,2**	**1980462**	50			
	12	62.4 mm	Gray	**ST 2,5-PCB/12-G-5,2**	**1980475**	50			
ST-COMBI coupling, plug-in direction horizontal to the PCB									
	2	12.4 mm	Gray				**ST 4-PCB/ 2-G-6,2**	**1980598**	50
	3	18.9 mm	Gray				**ST 4-PCB/ 3-G-6,2**	**1980608**	50
	4	24.8 mm	Gray				**ST 4-PCB/ 4-G-6,2**	**1980611**	50
	5	31 mm	Gray				**ST 4-PCB/ 5-G-6,2**	**1980624**	50
	6	37.2 mm	Gray				**ST 4-PCB/ 6-G-6,2**	**1980637**	50
	7	43.4 mm	Gray				**ST 4-PCB/ 7-G-6,2**	**1980640**	50
	8	49.6 mm	Gray				**ST 4-PCB/ 8-G-6,2**	**1980653**	50
	9	55.8 mm	Gray				**ST 4-PCB/ 9-G-6,2**	**1980666**	50
	10	62 mm	Gray				**ST 4-PCB/10-G-6,2**	**1980679**	50
	11	68.2 mm	Gray				**ST 4-PCB/11-G-6,2**	**1980682**	50
	12	74.4 mm	Gray				**ST 4-PCB/12-G-6,2**	**1980695**	50

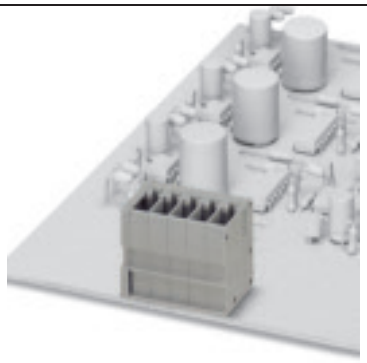
Accessories

Coding star, with 4 coding branches, can be inserted in all basic terminal blocks			Red	**PC**	**3040588**	50	**PC**	**3040588**	50
UniCard sheet, flat, for labeling the lateral groove				**UC-TMF 5 (see page 482)**			**UC-TMF 6 (see page 483)**		
Zack marker strip, flat, for labeling the lateral groove				**ZBF 5 (see page 492)**			**ZBF 6 (see page 493)**		

COMBI headers for PCB connection

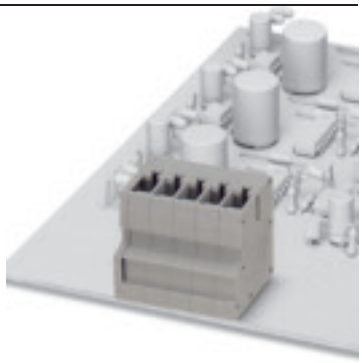
The pitch of this header is coordinated with that of the COMBI connector. Pluggable solutions can be therefore uniformly implemented from the DIN rail up to the device with the same connector.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



ST 2,5-PCBV/...-G-5,2

Connection direction **vertical** to the PCB



ST 4-PCBV/...-G-6,2

Connection direction **vertical** to the PCB

Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG	$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		24	**500**	**-**	**-**	**32**	**800**	**-**	**-**
Rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7	IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	300	-	-	800	600	-	-
Nominal current / cross-section	[A] / [mm²]	24 / 2.5	15 / -	- / -	- / -	32 / 4	20 / -	- / -	- / -
Rated cross-section	[mm²]	2.5	-	-	-	4	-	-	-
Cross-section range	AWG	-	-	-	-	-	-	-	-
General data									
Hole diameter	[mm]	1.6				2			
Pin dimensions	[mm]	1 x 1				1 x 1			
Insulating material		PA				PA			
Inflammability class acc. to UL 94		V0				V0			

Ordering data

Description	No. of pos.	Width	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
ST-COMBI coupling, plug-in direction vertical to the PCB									
	2	10.4 mm	Gray	**ST 2,5-PCBV/ 2-G-5,2**	**1980488**	50			
	3	15.6 mm	Gray	**ST 2,5-PCBV/ 3-G-5,2**	**1980491**	50			
	4	20.8 mm	Gray	**ST 2,5-PCBV/ 4-G-5,2**	**1980501**	50			
	5	26 mm	Gray	**ST 2,5-PCBV/ 5-G-5,2**	**1980514**	50			
	6	31.2 mm	Gray	**ST 2,5-PCBV/ 6-G-5,2**	**1980527**	50			
	7	36.4 mm	Gray	**ST 2,5-PCBV/ 7-G-5,2**	**1980530**	50			
	8	41.6 mm	Gray	**ST 2,5-PCBV/ 8-G-5,2**	**1980543**	50			
	9	46.8 mm	Gray	**ST 2,5-PCBV/ 9-G-5,2**	**1980556**	50			
	10	52 mm	Gray	**ST 2,5-PCBV/10-G-5,2**	**1980569**	50			
	11	57.2 mm	Gray	**ST 2,5-PCBV/11-G-5,2**	**1980572**	50			
	12	62.4 mm	Gray	**ST 2,5-PCBV/12-G-5,2**	**1980585**	50			
ST-COMBI coupling, plug-in direction vertical to the PCB									
	2	12.4 mm	Gray				**ST 4-PCBV/ 2-G-6,2**	**1980705**	50
	3	18.6 mm	Gray				**ST 4-PCBV/ 3-G-6,2**	**1980718**	50
	4	24.8 mm	Gray				**ST 4-PCBV/ 4-G-6,2**	**1980721**	50
	5	31 mm	Gray				**ST 4-PCBV/ 5-G-6,2**	**1980734**	50
	6	37.2 mm	Gray				**ST 4-PCBV/ 6-G-6,2**	**1980747**	50
	7	43.4 mm	Gray				**ST 4-PCBV/ 7-G-6,2**	**1980750**	50
	8	49.6 mm	Gray				**ST 4-PCBV/ 8-G-6,2**	**1980763**	50
	9	55.8 mm	Gray				**ST 4-PCBV/ 9-G-6,2**	**1980776**	50
	10	62 mm	Gray				**ST 4-PCBV/10-G-6,2**	**1980789**	50
	11	68.2 mm	Gray				**ST 4-PCBV/11-G-6,2**	**1980792**	50
	12	74.4 mm	Gray				**ST 4-PCBV/12-G-6,2**	**1980802**	50

Accessories

Coding star, with 4 coding branches, can be inserted in all basic terminal blocks	Red	**PC**	**3040588**	50	**PC**	**3040588**	50
UniCard sheet, flat, for labeling the lateral groove		**UC-TMF 5 (see page 482)**			**UC-TMF 6 (see page 483)**		
Zack marker strip, flat, for labeling the lateral groove		**ZBF 5 (see page 492)**			**ZBF 6 (see page 493)**		

COMBI connectors with a screw connection



For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

For extra accessories, see page 292.

[1]) Derating curve available on request.



UPBV 2,5/...

Bridgeable, conductor connection at right angle to the plug-in direction

Just like the basic terminal blocks, the plugs also offer the right connection method for every application. The screw plugs of the COMBI connectors are available in two versions. The UPBV... connectors are bridgeable and have a lateral conductor connection, and the screw is actuated from above. They offer the option of guiding the connected conductors directly into the cable duct to save space. The bridging is done using the standard FBS... bridges.

With the UP ... connector, on the other hand, the conductor connection is made from above, the actuation of the screw from the side. The connector design enables space-saving potential distribution by using four-conductor terminal blocks with 2 slots.

The screw plugs can be combined with COMBI terminal blocks of all connection methods.

The KEL cable entry system allows you to run pre-assembled conductors into the control cabinet and achieve IP54 protection in a space-saving manner, see page 685.

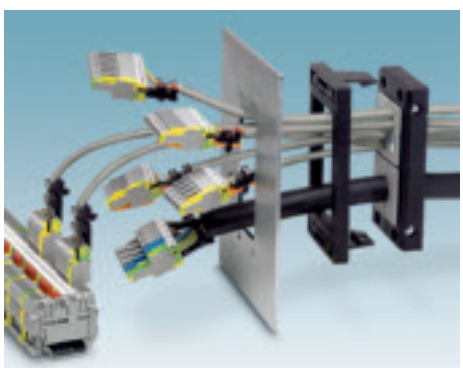
Dimensions		Width	Length	Height	Height when plugged in
	[mm]	**5.2 x No. of pos.**	**21**	**47**	**31**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		24[1])	**500**	**0.14 - 4**	**26 - 12**
Rated data		IEC 61984 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	600	-	-
Nominal current / cross-section	[A] / [mm²]	24[1]) / 2.5	20 / -	- / -	- / -
Rated cross-section	[mm²]	2.5	-	-	-
Cross-section range	AWG	26 - 12	26-12	-	-
Connection capacity		Solid	Stranded	Ferrule	
				without / with plastic sleeve	
One conductor	[mm²]	0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5
Two conductors (of the same type)	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1
General data					
Stripping length	[mm]	9			
Screw thread		M3			
Tightening torque	[Nm]	0.5 - 0.6			
Insulating material		PA			
Inflammability class acc. to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
COMBI connector, with a screw connection						
	1	Gray	**UPBV 2,5/ 1**		**3045145**	50
	2	Gray	**UPBV 2,5/ 2**		**3045402**	50
	3	Gray	**UPBV 2,5/ 3**		**3045415**	50
	4	Gray	**UPBV 2,5/ 4**		**3045428**	50
	5	Gray	**UPBV 2,5/ 5**		**3045431**	50
	6	Gray	**UPBV 2,5/ 6**		**3045444**	25
	7	Gray	**UPBV 2,5/ 7**		**3045457**	25
	8	Gray	**UPBV 2,5/ 8**		**3045460**	25
	9	Gray	**UPBV 2,5/ 9**		**3045473**	25
	10	Gray	**UPBV 2,5/10**		**3045499**	25
	11	Gray	**UPBV 2,5/11**		**3045509**	10
	12	Gray	**UPBV 2,5/12**		**3045512**	10
	13	Gray	**UPBV 2,5/13**		**3045525**	10
	14	Gray	**UPBV 2,5/14**		**3045538**	10
	15	Gray	**UPBV 2,5/15**		**3045541**	10
	1	Blue	**UPBV 2,5/ 1 BU**		**3045240**	50
	1	Green-yellow	**UPBV 2,5/ 1 GNYE**		**3045253**	50

Accessories

Plug-in bridge for cross connections in the bridge shaft						
	2	Red	**FBS 2-5**	20 A	**3030161**	50
	3	Red	**FBS 3-5**	20 A	**3030174**	50
	4	Red	**FBS 4-5**	20 A	**3030187**	50
	5	Red	**FBS 5-5**	20 A	**3030190**	50
	10	Red	**FBS 10-5**	20 A	**3030213**	10
	20	Red	**FBS 20-5**	20 A	**3030226**	10
Strain relief, for UPBV plugs, 2-pos.		Black	**UPZ/ 2**		**3045554**	50
Snap-on, for plugs, 1-pos.		Orange				
2-pos.		Orange	**UPR/ 2**		**3045567**	50
Snap-lock device and strain relief, for UPBV... plugs, 2-pos.		Orange	**UPRZ**		**3045570**	50
Flange cover, for UPBV 2,5 and UPBV 4 COMBI connectors		Gray	**DF-UPBV 2,5/ 4**		**3060432**	50
UniCard sheet, flat, for labeling the lateral groove			**UC-TMF 5 (see page 482)**			
Zack marker strip, flat, for labeling the lateral groove			**ZBF 5 (see page 492)**			





UPBV 4/...

Bridgeable, conductor connection at right angle to the plug-in direction

Width	Length	Height	Height when plugged in
6.2 x No. of pos.	**21**	**47**	**31**
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
32[1])	**800**	**0.14 - 6**	**26 - 10**
IEC 61984 IEC	UL / CUL	CSA	IEC/ EN 60079-7
800	600	-	-
32[1]) / 4	30 / -	- / -	- / -
4	-	-	-
26 - 10	26-10	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	- 0.5 - 1
9			
M3			
0.6 - 0.8			
PA			
V0			



UP 4/...

Non-bridgeable, conductor connection in plug-in direction

Width	Length	Height	Height when plugged in
6.2 x No. of pos.	**21**	**41**	**24**
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
32[1])	**800**	**0.2 - 6**	**24 - 10**
IEC 61984 IEC	UL / CUL	CSA	IEC/ EN 60079-7
800	600	-	-
32[1]) / 4	30 / -	- / -	- / -
4	-	-	-
24 - 10	26-10	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 6	0.2 - 6	0.14 - 4	0.14 - 4
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	- 0.5 - 1.5
9			
M3			
0.6 - 0.8			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
UPBV 4/ 1		**3045800**	50
UPBV 4/ 2		**3045813**	50
UPBV 4/ 3		**3045826**	50
UPBV 4/ 4		**3045839**	50
UPBV 4/ 5		**3045842**	50
UPBV 4/ 6		**3045855**	25
UPBV 4/ 7		**3045868**	25
UPBV 4/ 8		**3045871**	25
UPBV 4/ 9		**3045884**	25
UPBV 4/10		**3045897**	25
UPBV 4/11		**3045907**	10
UPBV 4/12		**3045910**	10
UPBV 4/13		**3045923**	10
UPBV 4/14		**3045936**	10
UPBV 4/15		**3045949**	10
UPBV 4/ 1 BU		**3045266**	50
UPBV 4/ 1 GNYE		**3045279**	50
FBS 2-6	27 A	**3030336**	50
FBS 3-6	27 A	**3030242**	50
FBS 4-6	27 A	**3030255**	50
FBS 5-6	27 A	**3030349**	50
FBS 10-6	27 A	**3030271**	10
FBS 20-6	27 A	**3030365**	10
UPZ/ 2		**3045554**	50
UPR/ 2		**3045567**	50
UPRZ		**3045570**	50
DF-UPBV 2,5/ 4		**3060432**	50
UC-TMF 6 (see page 483)			
ZBF 6 (see page 493)			

Type	Order No.	Pcs. / Pkt.
UP 4/ 1	**3060115**	50
UP 4/ 2	**3060128**	50
UP 4/ 3	**3060131**	50
UP 4/ 4	**3060144**	50
UP 4/ 5	**3060157**	50
UP 4/ 6	**3060160**	25
UP 4/ 7	**3060173**	25
UP 4/ 8	**3060186**	25
UP 4/ 9	**3060199**	25
UP 4/10	**3060209**	25
UP 4/11	**3060212**	10
UP 4/12	**3060225**	10
UP 4/13	**3060238**	10
UP 4/14	**3060241**	10
UP 4/15	**3060254**	10
UP 4/ 1 BU	**3045282**	50
UP 4/ 1 GNYE	**3045295**	50
PZ/2	**3040627**	50
PR	**3040559**	50
PR/2	**3040630**	50
PRZ	**3040614**	50
DF-UP 4	**3060348**	50
UC-TMF 6 (see page 483)		
ZBF 6 (see page 493)		

COMBI connectors with a spring-cage connection

As with the basic terminal blocks, connectors also offer the right solution for every application. SP 2,5/... and SP 4/... connectors are designed for connecting one wire.

The SP-H 2,5/... connectors enable the use of cable housings PH 2,5... see page 295.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

For extra accessories, see page 292.

For more cable housings, see page 295.

[1]) Derating curve available on request.



SP 2,5/...

Non-bridgeable, conductor connection in plug-in direction

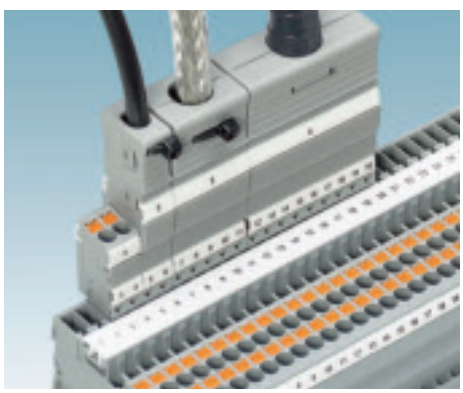
Dimensions		Width	Length	Height	Height when plugged in
	[mm]	**5.2 x No. of pos.**	**15.8**	**39**	**24**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		24[1])	**500**	**0.08 - 4**	**28 - 12**
Rated data		IEC 61984 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	600	300	-
Nominal current / cross-section	[A] / [mm²]	24[1]) / 2.5	20 / -	20 / -	- / -
Rated cross-section	[mm²]	2.5	-	-	-
Cross-section range	AWG	28 - 12	28-12	24-12	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]				0.5
General data					
Stripping length	[mm]	10			
Insulating material		PA			
Inflammability class acc. to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.
COMBI connector, with a spring-cage connection					
	1	Gray	**SP 2,5/ 1**	**3040258**	50
	2	Gray	**SP 2,5/ 2**	**3040261**	50
	3	Gray	**SP 2,5/ 3**	**3040274**	50
	4	Gray	**SP 2,5/ 4**	**3040287**	50
	5	Gray	**SP 2,5/ 5**	**3040290**	50
	6	Gray	**SP 2,5/ 6**	**3040300**	25
	7	Gray	**SP 2,5/ 7**	**3040313**	25
	8	Gray	**SP 2,5/ 8**	**3040326**	25
	9	Gray	**SP 2,5/ 9**	**3040339**	25
	10	Gray	**SP 2,5/10**	**3040342**	25
	11	Gray	**SP 2,5/11**	**3040355**	10
	12	Gray	**SP 2,5/12**	**3040368**	10
	13	Gray	**SP 2,5/13**	**3040371**	10
	14	Gray	**SP 2,5/14**	**3040384**	10
	15	Gray	**SP 2,5/15**	**3040397**	10
	1	Blue	**SP 2,5/ 1 BU**	**3040698**	50
	1	Green-yellow	**SP 2,5/ 1 GNYE**	**3040708**	50

Accessories

Insulation stop sleeve, cross-section range:				
0.08 - 0.2 mm²	White	**ISH 2,5/0,2**	**3002843**	50
0.25 - 0.5 mm²	Gray	**ISH 2,5/0,5**	**3002856**	50
0.75 - 1 mm²	Black	**ISH 2,5/1,0**	**3002869**	50
Test plug, consisting of: metal part for 2.3 mm Ø socket hole and **insulating sleeve** for MPS metal part	Red			
Snap-on and strain relief, for all connectors with conductor exit at top, 2-pos.	Orange	**PRZ**	**3040614**	50
Snap-on, for plugs, 1-pos.	Orange	**PR**	**3040559**	50
2-pos.	Orange	**PR/2**	**3040630**	50
Strain relief, for SP... and SP(D)B... connectors, 2-pos.	Black	**PZ/2**	**3040627**	50
4-pos.	Black	**PZ/4**	**3040643**	50
Flange housing, for SP-H and PP-H COMBI connectors				
Cable housing, for COMBI connectors SP-H 2,5... and PP-H 2,5...	Gray			
UniCard sheet, flat, for labeling the center groove		**UC-TMF 5 (see page 482)**		
Zack marker strip, flat, for labeling the center groove		**ZBF 5 (see page 492)**		





SP-H 2,5/...

Non-bridgeable, conductor connection in plug-in direction

Width	Length	Height	Height when plugged in
5.2 x No. of pos.	**15.8**	**39**	**24**
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
24[1])	**500**	**0.08 - 4**	**28 - 12**
IEC 61984 IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	-	-	-
24[1]) / 2.5	- / -	- / -	- / -
2.5	-	-	-
28 - 12	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
10			
PA			
V0			

Type	Order No.	Pcs. / Pkt.
SP-H 2,5/ 1	**3210619**	50
SP-H 2,5/ 2	**3210622**	50
SP-H 2,5/ 3	**3210635**	50
SP-H 2,5/ 4	**3210648**	50
SP-H 2,5/ 5	**3210651**	50
SP-H 2,5/ 6	**3210664**	25
SP-H 2,5/ 7	**3210677**	25
SP-H 2,5/ 8	**3210680**	25
SP-H 2,5/ 9	**3210693**	25
SP-H 2,5/10	**3210703**	25
SP-H 2,5/11	**3210716**	10
SP-H 2,5/12	**3210729**	10
SP-H 2,5/13	**3210732**	10
SP-H 2,5/14	**3210745**	10
SP-H 2,5/15	**3210758**	10
SP-H 2,5/ 1 BU	**3210761**	50
SP-H 2,5/ 1 GNYE	**3210774**	50
ISH 2,5/0,2	**3002843**	50
ISH 2,5/0,5	**3002856**	50
ISH 2,5/1,0	**3002869**	50
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PRZ	**3040614**	50
PR	**3040559**	50
PR/2	**3040630**	50
PZ/2	**3040627**	50
PZ/4	**3040643**	50
DF-SP-H 2,5	**3209824**	50
PH 2,5/ 2	**3209691**	50
UC-TMF 5 (see page 482)		
ZBF 5 (see page 492)		



SPV 2,5/...

Non-bridgeable, conductor connection at right angle to the plug-in direction

Width	Length	Height	Height when plugged in
5.2 x No. of pos.	**23.4**	**34**	**19**
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
24[1])	**500**	**0.08 - 4**	**28 - 12**
IEC 61984 IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	600	-	-
24[1]) / 2.5	20 / -	- / -	- / -
2.5	-	-	-
28 - 12	26-12	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
10			
PA			
V0			

Type	Order No.	Pcs. / Pkt.
SPV 2,5/ 1	**3041710**	50
SPV 2,5/ 2	**3041723**	50
SPV 2,5/ 3	**3041736**	50
SPV 2,5/ 4	**3041749**	50
SPV 2,5/ 5	**3041752**	50
SPV 2,5/ 6	**3041765**	25
SPV 2,5/ 7	**3041778**	25
SPV 2,5/ 8	**3041781**	25
SPV 2,5/ 9	**3041794**	25
SPV 2,5/10	**3041804**	25
SPV 2,5/11	**3041817**	10
SPV 2,5/12	**3041820**	10
SPV 2,5/13	**3041833**	10
SPV 2,5/14	**3041846**	10
SPV 2,5/15	**3041859**	10
SPV 2,5/ 1 BU	**3061017**	50
SPV 2,5/ 1 GNYE	**3061020**	50
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PRV/2	**3041862**	50
PZ/2	**3040627**	50
PZ/4	**3040643**	50
UC-TMF 5 (see page 482)		
ZBF 5 (see page 492)		



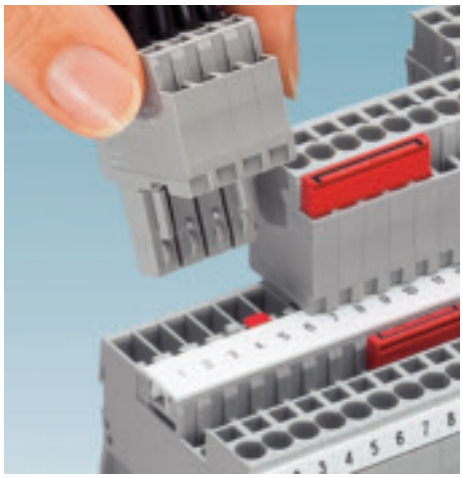
SP 4/...

Non-bridgeable, conductor connection in plug-in direction

Width	Length	Height	Height when plugged in
6.2 x No. of pos.	**21**	**41.5**	**24**
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
32[1])	**800**	**0.08 - 6**	**28 - 10**
IEC 61984 IEC	UL / CUL	CSA	IEC/ EN 60079-7
800	600	600	-
32[1]) / 4	30 / -	30 / -	- / -
4	-	-	-
28 - 10	28-10	24-12	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4 0.5 - 1
10			
PA			
V0			

Type	Order No.	Pcs. / Pkt.
SP 4/ 1	**3042887**	50
SP 4/ 2	**3042890**	50
SP 4/ 3	**3042900**	50
SP 4/ 4	**3042926**	50
SP 4/ 5	**3042939**	50
SP 4/ 6	**3042942**	25
SP 4/ 7	**3042955**	25
SP 4/ 8	**3042968**	25
SP 4/ 9	**3042971**	25
SP 4/10	**3042984**	25
SP 4/11	**3042997**	10
SP 4/12	**3043006**	10
SP 4/13	**3043718**	10
SP 4/14	**3043721**	10
SP 4/15	**3043734**	10
SP 4/1 BU	**3061033**	50
SP 4/1 GNYE	**3061046**	50
ISH 4/0,5	**3002885**	50
ISH 4/1,0	**3002898**	50
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PRZ	**3040614**	50
PR	**3040559**	50
PR/2	**3040630**	50
PZ/2	**3040627**	50
UC-TMF 6 (see page 483)		
ZBF 6 (see page 493)		

COMBI connectors with a spring-cage connection



Connectors with a bridging option are available for the basic terminal blocks. The SP 2,5/... and SP 4/... connectors are designed for connecting one wire. The SPB 2,5/... connector is designed for connecting one wire, and it also provides an additional bridging option. The SPDB 2,5/... connector is designed for connecting two wires and provides an additional bridging option.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

More plug-in bridges can be found on page 330.

[1]) Derating curve available on request.



SPB 2,5/...

Bridgeable conductor connection in plug-in direction

Dimensions		Width	Length	Height	Height when plugged in
	[mm]	**5.2 x No. of pos.**	**20**	**39**	**24**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		24[1])	**500**	**0.08 - 4**	**28 - 12**
Rated data		IEC 61984 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	600	300	-
Nominal current / cross-section	[A] / [mm²]	24[1]) / 2.5	20 / -	20 / -	- / -
Rated cross-section	[mm²]	2.5	-	-	-
Cross-section range	AWG	28 - 12	28-12	24-12	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]				0.5
General data					
Stripping length	[mm]	10			
Insulating material		PA			
Inflammability class acc. to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
COMBI connector, with a spring-cage connection						
	1	Gray	**SPB 2,5/ 1**		**3040106**	50
	2	Gray	**SPB 2,5/ 2**		**3040119**	50
	3	Gray	**SPB 2,5/ 3**		**3040122**	50
	4	Gray	**SPB 2,5/ 4**		**3040135**	50
	5	Gray	**SPB 2,5/ 5**		**3040143**	50
	6	Gray	**SPB 2,5/ 6**		**3040151**	25
	7	Gray	**SPB 2,5/ 7**		**3040164**	25
	8	Gray	**SPB 2,5/ 8**		**3040177**	25
	9	Gray	**SPB 2,5/ 9**		**3040180**	25
	10	Gray	**SPB 2,5/10**		**3040193**	25
	11	Gray	**SPB 2,5/11**		**3040203**	10
	12	Gray	**SPB 2,5/12**		**3040216**	10
	13	Gray	**SPB 2,5/13**		**3040229**	10
	14	Gray	**SPB 2,5/14**		**3040232**	10
	15	Gray	**SPB 2,5/15**		**3040245**	10
	1	Blue	**SPB 2,5/ 1 BU**		**3040724**	50
	1	Green-yellow	**SPB 2,5/ 1 GNYE**		**3040711**	50

Accessories

Insulation stop sleeve, cross-section range:						
0.08 - 0.2 mm²		White	**ISH 2,5/0,2**		**3002843**	50
0.25 - 0.5 mm²		Gray	**ISH 2,5/0,5**		**3002856**	50
0.75 - 1 mm²		Black	**ISH 2,5/1,0**		**3002869**	50
Plug-in bridge for cross connections in the bridge shaft						
	2	Red	**FBS 2-5**	24 A	**3030161**	50
	3	Red	**FBS 3-5**	24 A	**3030174**	50
	4	Red	**FBS 4-5**	24 A	**3030187**	50
	5	Red	**FBS 5-5**	24 A	**3030190**	50
	20	Red	**FBS 20-5**	24 A	**3030226**	10
Snap-on and strain relief, for all connectors with conductor exit at top, 2-pos.		Orange	**PRZ**		**3040614**	50
Snap-on, for plugs, 1-pos.		Orange	**PR**		**3040559**	50
2-pos.		Orange	**PR/2**		**3040630**	50
Strain relief, for SP... and SP(D)B... connectors, 2-pos.		Black	**PZ/2**		**3040627**	50
4-pos.		Black	**PZ/4**		**3040643**	50
UniCard sheet, flat, for labeling the lateral groove			**UC-TMF 5 (see page 482)**			
Zack marker strip, flat, for labeling the lateral groove			**ZBF 5 (see page 492)**			



SPDB 2,5/...

Bridgeable, double conductor connection in plug-in direction

Width	Length	Height	Height when plugged in
5.2 x No. of pos.	**32.7**	**39**	**24**
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
24[1])	**500**	**0.08 - 4**	**28 - 12**
IEC 61984 IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	600	300	-
24[1]) / 2.5	20 / -	20 / -	- / -
2.5	-	-	-
28 - 12	28-12	24-12	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
10 PA V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
SPDB 2,5/ 1		**3040407**	50
SPDB 2,5/ 2		**3040410**	50
SPDB 2,5/ 3		**3040423**	50
SPDB 2,5/ 4		**3040436**	50
SPDB 2,5/ 5		**3040449**	50
SPDB 2,5/ 6		**3040452**	25
SPDB 2,5/ 7		**3040465**	25
SPDB 2,5/ 8		**3040478**	25
SPDB 2,5/ 9		**3040481**	25
SPDB 2,5/10		**3040494**	25
SPDB 2,5/11		**3040504**	10
SPDB 2,5/12		**3040517**	10
SPDB 2,5/13		**3040520**	10
SPDB 2,5/14		**3040533**	10
SPDB 2,5/15		**3040546**	10
SPDB 2,5/ 1 BU		**3040737**	50
SPDB 2,5/ 1 GNYE		**3040740**	50
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 20-5	24 A	**3030226**	10
PRZ		**3040614**	50
PR		**3040559**	50
PR/2		**3040630**	50
PDZ/2		**3040562**	50
PDZ/4		**3040575**	50
UC-TMF 5 (see page 482)			
ZBF 5 (see page 492)			

COMBI connector with push-in connection

The PIT push-in method is particularly suitable for wiring solid conductors and conductors with ferrules. They can be connected by simply plugging them in without using any tool.

The PP-H 2,5/... connectors enable the use of cable housings PH 2,5..., see page 295.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

For more cable housings, see page 295.

[1]) Derating curve available on request.



PP-H 2,5/...

Non-bridgeable, conductor connection in plug-in direction

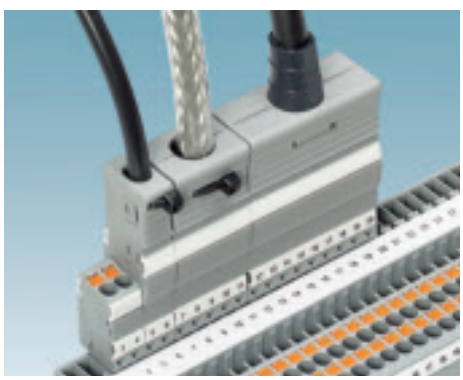
Dimensions		Width	Length	Height	Height when plugged in
	[mm]	**5.2 x No. of pos.**	**15.8**	**39**	**24**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		24[1])	**500**	**0.14 - 4**	**26 - 12**
Rated data		IEC 61984 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	-	-	-
Nominal current / cross-section	[A] / [mm²]	24[1]) / 2.5	- / -	- / -	- / -
Rated cross-section	[mm²]	2.5	-	-	-
Cross-section range	AWG	26 - 12	-	-	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]				0.5
Directly pluggable connection cross-sections	[mm²]	0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
General data					
Stripping length	[mm]	10			
Insulating material		PA			
Inflammability class acc. to UL 94		V0			

Ordering data

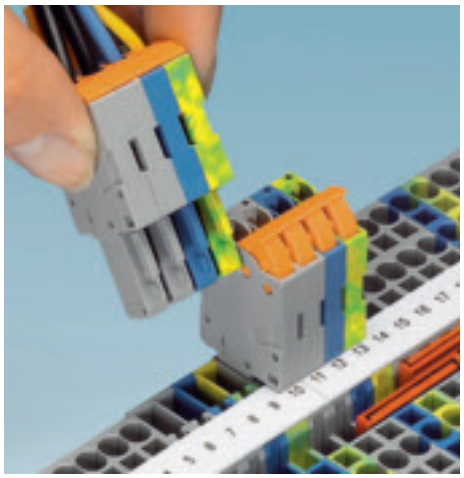
Description	No. of pos.	Width	Color	Type	Order No.	Pcs. / Pkt.
COMBI connector, with a push-in connection						
	1	5.2 mm	Gray	**PP-H 2,5/ 1**	**3209866**	50
	2	10.4 mm	Gray	**PP-H 2,5/ 2**	**3209879**	50
	3	15.6 mm	Gray	**PP-H 2,5/ 3**	**3209882**	50
	4	20.8 mm	Gray	**PP-H 2,5/ 4**	**3209895**	50
	5	26 mm	Gray	**PP-H 2,5/ 5**	**3209905**	50
	6	31.2 mm	Gray	**PP-H 2,5/ 6**	**3209918**	25
	7	36.4 mm	Gray	**PP-H 2,5/ 7**	**3209921**	25
	8	41.6 mm	Gray	**PP-H 2,5/ 8**	**3209934**	25
	9	46.8 mm	Gray	**PP-H 2,5/ 9**	**3209947**	25
	10	52 mm	Gray	**PP-H 2,5/10**	**3209950**	25
	11	57.2 mm	Gray	**PP-H 2,5/11**	**3209963**	10
	12	62.4 mm	Gray	**PP-H 2,5/12**	**3209976**	10
	13	67.6 mm	Gray	**PP-H 2,5/13**	**3209989**	10
	14	72.8 mm	Gray	**PP-H 2,5/14**	**3209992**	10
	15	78 mm	Gray	**PP-H 2,5/15**	**3210004**	10
	1	5.2 mm	Blue	**PP-H 2,5/ 1 BU**	**3210017**	50
	1	5.2 mm	Green-yellow	**PP-H 2,5/ 1 GNYE**	**3210020**	50

Accessories

Test plug, consisting of: metal part for 2.3 mm Ø socket hole and		**MPS-MT**	**0201744**	10
insulating sleeve for MPS metal part	Red	**MPS-IH RD**	**0201676**	10
Snap-on and strain relief, for all connectors with conductor exit at top, 2-pos.	Orange	**PRZ**	**3040614**	50
Snap-on, for plugs, 1-pos.	Orange	**PR**	**3040559**	50
	Orange	**PR/2**	**3040630**	50
Strain relief, for SP... and SP(D)B... connectors, 2-pos.	Black	**PZ/2**	**3040627**	50
4-pos.	Black	**PZ/4**	**3040643**	50
Flange housing, for SP-H and PP-H COMBI connectors		**DF-SP-H 2,5**	**3209824**	50
Cable housing, for COMBI connectors SP-H 2,5... and PP-H 2,5...	Gray	**PH 2,5/ 2**	**3209691**	50
	Gray	**PH 2,5/ 3**	**3209701**	50
	Gray	**PH 2,5/ 4**	**3209714**	50
Screwdriver		**SZF 1-0,6X3,5**	**1204517**	10
UniCard sheet, flat, for labeling the lateral groove		**UC-TMF 5 (see page 482)**		
Zack marker strip, flat, for labeling the lateral groove		**ZBF 5 (see page 492)**		



COMBI connectors with a fast connection



Just like the basic terminal blocks, the plugs also offer the right connection method for every application. The fast connector QP 1,5/... is designed for the connection of solid and stranded conductors. The conductor is connected by means of the familiar IDC connection without stripping: a time-saving solution.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

For extra accessories, see page 292.

[1]) Derating curve available on request.



QP 1,5/...

Non-bridgeable, conductor connection in plug-in direction

Dimensions		Width	Length	Height	Height when plugged in
	[mm]	**5.2 x No. of pos.**	**20**	**40**	**24**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		17.5[1])	**500**	**0.25 - 1.5**	**24 - 16**
Rated data		IEC 61984 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	600	600	-
Nominal current / cross-section	[A] / [mm²]	17.5[1]) / 1.5	10 / -	10 / -	- / -
Rated cross-section	[mm²]	1.5	-	-	-
Cross-section range	AWG	24 - 16	24-16	24-16	-
Connection cross-section in acc. with DIN VDE 0295					
H05V(Z) / H07V(Z)	[mm²]	0.5 - 1.5			
Class 5 / class 6 [litz wires Ø ≥ 0.1 mm]	[mm²]	0.25 - 0.34			
[Litz wires Ø ≥ 0.19 mm]	AWG	24 - 16			
Frequency of connections with the same cross-section		100			
General data					
Insulating material		PA			
Inflammability class acc. to UL 94		V0			

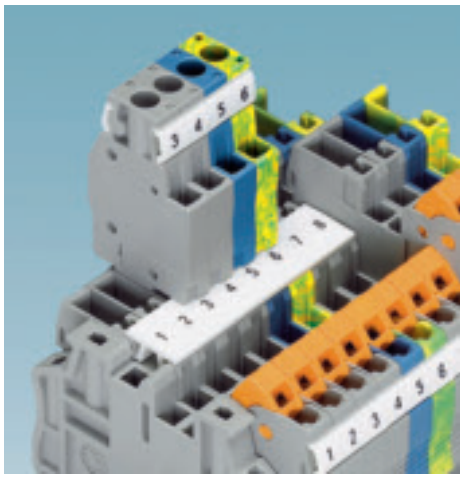
Ordering data

Description	No. of pos.	Width	Color	Type	Order No.	Pcs. / Pkt.
COMBI connector, with a fast connection						
	1	5.2 mm	Gray	**QP 1,5/ 1**	**3051108**	50
	2	10.4 mm	Gray	**QP 1,5/ 2**	**3051111**	50
	3	15.6 mm	Gray	**QP 1,5/ 3**	**3051124**	50
	4	20.8 mm	Gray	**QP 1,5/ 4**	**3051137**	50
	5	26 mm	Gray	**QP 1,5/ 5**	**3051140**	50
	6	31.2 mm	Gray	**QP 1,5/ 6**	**3051153**	25
	7	36.4 mm	Gray	**QP 1,5/ 7**	**3051166**	25
	8	41.6 mm	Gray	**QP 1,5/ 8**	**3051179**	25
	9	46.8 mm	Gray	**QP 1,5/ 9**	**3051182**	25
	10	52 mm	Gray	**QP 1,5/10**	**3051195**	25
	11	57.2 mm	Gray	**QP 1,5/11**	**3051205**	10
	12	62.4 mm	Gray	**QP 1,5/12**	**3051218**	10
	13	67.6 mm	Gray	**QP 1,5/13**	**3051221**	10
	14	72.8 mm	Gray	**QP 1,5/14**	**3051234**	10
	15	78 mm	Gray	**QP 1,5/15**	**3051247**	10
	1	5.2 mm	Blue	**QP 1,5/ 1 BU**	**3051250**	50
	1	5.2 mm	Green-yellow	**QP 1,5/ 1 GNYE**	**3051263**	50

Accessories

Test plug, consisting of: metal part for 2.3 mm Ø socket hole and		**MPS-MT**	**0201744**	10
insulating sleeve for MPS metal part	Red	**MPS-IH RD**	**0201676**	10
Snap-on and strain relief, for all connectors with conductor exit at top, 2-pos.	Orange	**PRZ**	**3040614**	50
Snap-on, for plugs, 1-pos.	Orange	**PR**	**3040559**	50
	Orange	**PR/2**	**3040630**	50
Strain relief, for SP... and SP(D)B... connectors, 2-pos.	Black	**PZ/2**	**3040627**	50
4-pos.	Black	**PZ/4**	**3040643**	50
Screwdriver		**SZF 1-0,6X3,5**	**1204517**	10
UniCard sheet, flat, for labeling the lateral groove		**UC-TMF 5 (see page 482)**		
Zack marker strip, flat, for labeling the lateral groove		**ZBF 5 (see page 492)**		

Self-assembly COMBI connectors with a screw connection

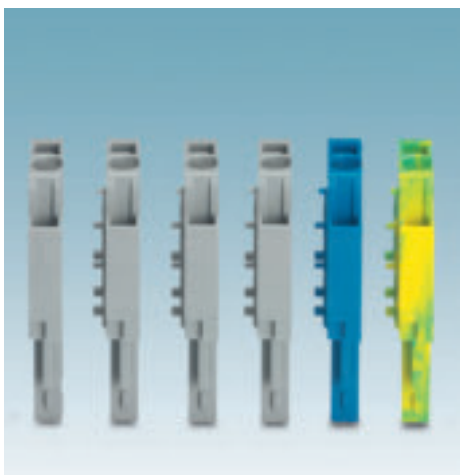


The screw connector of the COMBI connectors are available in two versions. The UPBV... connectors are bridgeable and have a side conductor connection, the screw being actuated from above. It offers the option of guiding the connected conductors directly into the cable duct to save space. The bridging is done using the standard FBS... bridges.



With the UP... connector on the other hand, the conductor connection is made from above and the screw is actuated from the side. The connector design enables space-saving potential distribution by using four-conductor terminal blocks with 2 slots.

The screw plugs can be combined with COMBI terminal blocks of all connection methods.



Design of a connector using a 6-pos. SPB connector ans an example from left to right:
– SPB 2,5/1-L (1x)
– SPB 2,5/1-M (3x)
– SPB 2,5/1-M BU (1x)
– SPB 2,5/1-R GNYE (1x)



For each multiple-position connector, a left element (at the beginning of the connector) and a right element (at the end of the connector) is required. How many middle elements need to be inserted depends on the number of positions of the desired connector. The individual elements are snapped together with engagement pins.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

For extra accessories, see page 292.

[1]) Derating curve available on request.

Dimensions	
	[mm]
Max. electrical data	
Rated data	
Rated voltage	[V]
Nominal current / cross-section	[A] / [mm²]
Rated cross-section	[mm²]
Cross-section range	AWG
Connection capacity	
One conductor	[mm²]
Two conductors (of the same type)	[mm²]
Two stranded conductors with a TWIN ferrule	[mm²]
General data	
Stripping length	[mm]
Screw thread	
Tightening torque	[Nm]
Insulating material	
Inflammability class acc. to UL 94	

Ordering data

Description	No. of pos.	Color
COMBI connector, with a screw connection, left element		
	1	Gray
	1	Blue
	1	Green-yellow
COMBI connector, with a screw connection, center element		
	1	Gray
	1	Blue
	1	Green-yellow
COMBI connector, with a screw connection, right element		
	1	Gray
	1	Blue
	1	Green-yellow

Accessories

Plug-in bridge for cross connections in the bridge shaft		
	2	Red
	3	Red
	4	Red
	5	Red
	10	Red
	20	Red
Snap-lock device and strain relief, for UPBV... plugs, 2-pos.		Orange
Snap-on, for UPBV plugs, 2-pos.		Orange
Strain relief, for UPBV plugs, 2-pos.		Black
Flange cover, for UPBV 2,5 and UPBV 4 COMBI connectors		Gray
Test plug, consisting of: metal part for 2.3 mm Ø socket hole and **insulating sleeve** for MPS metal part		Red
UniCard sheet, flat, for labeling the lateral groove		
Zack marker strip, flat, for labeling the lateral groove		



UPBV 2,5/ 1 ...

Bridgeable, conductor connection at right angle to the plug-in direction

Width	Length	Height	Height when plugged in
5.2 x No. of pos.	**21**	**47**	**31**
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
24[1])	**500**	**0.14 - 4**	**26 - 12**
IEC 61984 IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	600	-	-
24[1]) / 2.5	20 / -	- / -	- / -
2.5	-	-	-
26 - 12	26-12	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
			0.5 - 1
9			
M3			
0.5 - 0.6			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
UPBV 2,5/ 1-L		**3045318**	50
UPBV 2,5/ 1-L BU		**3045321**	50
UPBV 2,5/ 1-L GNYE		**3045334**	50
UPBV 2,5/ 1-M		**3045347**	50
UPBV 2,5/ 1-M BU		**3045350**	50
UPBV 2,5/ 1-M GNYE		**3045363**	50
UPBV 2,5/ 1-R		**3045376**	50
UPBV 2,5/ 1-R BU		**3045389**	50
UPBV 2,5/ 1-R GNYE		**3045392**	50
FBS 2-5	20 A	**3030161**	50
FBS 3-5	20 A	**3030174**	50
FBS 4-5	20 A	**3030187**	50
FBS 5-5	20 A	**3030190**	50
FBS 10-5	20 A	**3030213**	10
FBS 20-5	20 A	**3030226**	10
UPRZ		**3045570**	50
UPR/ 2		**3045567**	50
UPZ/ 2		**3045554**	50
DF-UPBV 2,5/ 4		**3060432**	50
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
UC-TMF 5 (see page 482)			
ZBF 5 (see page 492)			



UPBV 4/ 1 ...

Bridgeable, conductor connection at right angle to the plug-in direction

Width	Length	Height	Height when plugged in
6.2 x No. of pos.	**21**	**47**	**31**
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
32[1])	**800**	**0.14 - 6**	**26 - 10**
IEC 61984 IEC	UL / CUL	CSA	IEC/ EN 60079-7
800	600	-	-
32[1]) / 4	30 / -	- / -	- / -
4	-	-	-
26 - 10	26-10	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
			0.5 - 1
9			
M3			
0.6 - 0.8			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
UPBV 4/ 1-L		**3045716**	50
UPBV 4/ 1-L BU		**3045729**	50
UPBV 4/ 1-L GNYE		**3045732**	50
UPBV 4/ 1-M		**3045745**	50
UPBV 4/ 1-M BU		**3045758**	50
UPBV 4/ 1-M GNYE		**3045761**	50
UPBV 4/ 1-R		**3045774**	50
UPBV 4/ 1-R BU		**3045787**	50
UPBV 4/ 1-R GNYE		**3045790**	50
FBS 2-6	27 A	**3030336**	50
FBS 3-6	27 A	**3030242**	50
FBS 4-6	27 A	**3030255**	50
FBS 5-6	27 A	**3030349**	50
FBS 10-6	27 A	**3030271**	10
FBS 20-6	27 A	**3030365**	10
UPRZ		**3045570**	50
UPR/ 2		**3045567**	50
UPZ/ 2		**3045554**	50
DF-UPBV 2,5/ 4		**3060432**	50
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
UC-TMF 6 (see page 483)			
ZBF 6 (see page 493)			



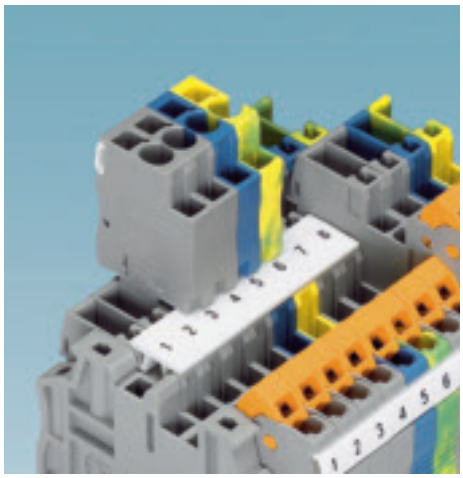
UP 4/ 1...

Non-bridgeable, conductor connection in plug-in direction

Width	Length	Height	Height when plugged in
6.2 x No. of pos.	**21**	**41**	**24**
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
32[1])	**800**	**0.2 - 6**	**24 - 10**
IEC 61984 IEC	UL / CUL	CSA	IEC/ EN 60079-7
800	600	-	-
32[1]) / 4	30 / -	- / -	- / -
4	-	-	-
24 - 10	26-10	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 6	0.2 - 6	0.14 - 4	0.14 - 4
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
			0.5 - 1.5
9			
M3			
0.6 - 0.8			
PA			
V0			

Type	Order No.	Pcs. / Pkt.
UP 4/ 1-L	**3060021**	50
UP 4/ 1-L BU	**3060034**	50
UP 4/ 1-L GNYE	**3060047**	50
UP 4/ 1-M	**3060050**	50
UP 4/ 1-M BU	**3060063**	50
UP 4/ 1-M GNYE	**3060076**	50
UP 4/ 1-R	**3060089**	50
UP 4/ 1-R BU	**3060092**	50
UP 4/ 1-R GNYE	**3060102**	50
PRZ	**3040614**	50
PR/2	**3040630**	50
PZ/2	**3040627**	50
DF-UP 4	**3060348**	50
UC-TMF 6 (see page 483)		
ZBF 6 (see page 493)		

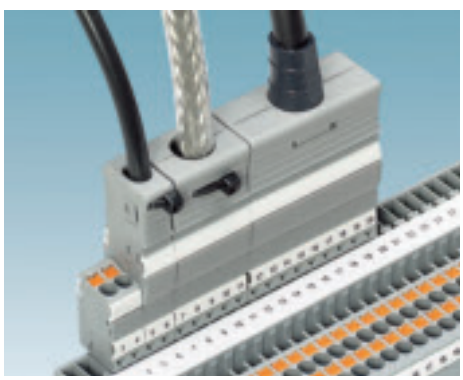
Self-assembly ST-COMBI plugs with spring-cage connection



The ST-COMBI connectors for self-assembly provide solutions that users can implement themselves. The connector with spring-cage connection is snapped together from one-position connector elements directly on site.

The design of a connector is shown in an example, see page 284.

The SP-H 2,5/... connectors enable the use of strain relief covers PH 2,5..., see page 295.



For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

For extra accessories, see page 292.

For more cable housings, see page 295.

1) Derating curve available on request.



SP 2,5/1...

Non-bridgeable, conductor connection in plug-in direction

Dimensions		Width	Length	Height	Height when plugged in
	[mm]	**5.2 x No. of pos.**	**15.8**	**39**	**24**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		24¹)	**500**	**0.08 - 4**	**28 - 12**
Rated data		IEC 61984 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	600	300	-
Nominal current / cross-section	[A] / [mm²]	24¹) / 2.5	20 / -	20 / -	- / -
Rated cross-section	[mm²]	2.5	-	-	-
Cross-section range	AWG	28 - 12	28-12	24-12	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]				0.5
General data					
Stripping length	[mm]	10			
Insulating material		PA			
Inflammability class acc. to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.
COMBI connector, with a spring-cage connection, left element					
	1	Gray	**SP 2,5/ 1-L**	**3043019**	50
	1	Blue	**SP 2,5/ 1-L BU**	**3043022**	50
	1	Green-yellow	**SP 2,5/ 1-L GNYE**	**3043035**	50
COMBI connector, with a spring-cage connection, center element					
	1	Gray	**SP 2,5/ 1-M**	**3043043**	50
	1	Blue	**SP 2,5/ 1-M BU**	**3043051**	50
	1	Green-yellow	**SP 2,5/ 1-M GNYE**	**3043064**	50
COMBI connector, with a spring-cage connection, right element					
	1	Gray	**SP 2,5/ 1-R**	**3043077**	50
	1	Blue	**SP 2,5/ 1-R BU**	**3043080**	50
	1	Green-yellow	**SP 2,5/ 1-R GNYE**	**3043093**	50

Accessories

Test plug, consisting of: metal part for 2.3 mm Ø socket hole and **insulating sleeve** for MPS metal part		Red			
Snap-on and strain relief, for all connectors with conductor exit at top, 2-pos.		Orange	**PRZ**	**3040614**	50
Snap-on, for plugs, 1-pos.		Orange	**PR**	**3040559**	50
2-pos.		Orange	**PR/2**	**3040630**	50
Strain relief, for SP... and SP(D)B... connectors, 2-pos.		Black	**PZ/2**	**3040627**	50
4-pos.		Black	**PZ/4**	**3040643**	50
Flange housing, for SP-H and PP-H COMBI connectors					
Cable housing, for COMBI connectors SP-H 2,5... and PP-H 2,5...		Gray			
		Gray			
		Gray			
		Gray			
UniCard sheet, flat, for labeling the lateral groove			**UC-TMF 5 (see page 482)**		
Zack marker strip, flat, for labeling the lateral groove			**ZBF 5 (see page 492)**		



SP-H 2,5/1...

Non-bridgeable, conductor connection in plug-in direction

Width	Length	Height	Height when plugged in
5.2 x No. of pos.	**15.8**	**39**	**24**
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
24[1])	**500**	**0.08 - 4**	**28 - 12**
IEC 61984 IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	-	-	-
24[1]) / 2.5	- / -	- / -	- / -
2.5	-	-	-
28 - 12	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
10			
PA			
V0			

Type	Order No.	Pcs. / Pkt.
SP-H 2,5/ 1-L	**3210787**	50
SP-H 2,5/ 1-L BU	**3210790**	50
SP-H 2,5/ 1-L GNYE	**3210800**	50
SP-H 2,5/ 1-M	**3210813**	50
SP-H 2,5/ 1-M BU	**3210826**	50
SP-H 2,5/ 1-M GNYE	**3210839**	50
SP-H 2,5/ 1-R	**3210842**	50
SP-H 2,5/ 1-R BU	**3210855**	50
SP-H 2,5/ 1-R GNYE	**3210868**	50
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PRZ	**3040614**	50
PR	**3040559**	50
PR/2	**3040630**	50
PZ/2	**3040627**	50
PZ/4	**3040643**	50
DF-SP-H 2,5	**3209824**	50
PH 2,5/ 2	**3209691**	50
PH 2,5/ 3	**3209701**	50
PH 2,5/ 4	**3209714**	50
PH 2,5/ 5	**3209727**	50
UC-TMF 5 (see page 482)		
ZBF 5 (see page 492)		



SPV 2,5/1...

Non-bridgeable, conductor connection at right angle to the plug-in direction

Width	Length	Height	Height when plugged in
5.2 x No. of pos.	**23.4**	**34**	**19**
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
24[1])	**500**	**0.08 - 4**	**28 - 12**
IEC 61984 IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	600	-	-
24[1]) / 2.5	20 / -	- / -	- / -
2.5	-	-	-
28 - 12	26-12	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
10			
PA			
V0			

Type	Order No.	Pcs. / Pkt.
SPV 2,5/ 1-L	**3041024**	50
SPV 2,5/ 1-L BU	**3041037**	50
SPV 2,5/ 1-L GNYE	**3041040**	50
SPV 2,5/ 1-M	**3041053**	50
SPV 2,5/ 1-M BU	**3041066**	50
SPV 2,5/ 1-M GNYE	**3041079**	50
SPV 2,5/ 1-R	**3041082**	50
SPV 2,5/ 1-R BU	**3041095**	50
SPV 2,5/ 1-R GNYE	**3041105**	50
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PRV/2	**3041862**	50
PZ/2	**3040627**	50
PZ/4	**3040643**	50
UC-TMF 5 (see page 482)		
ZBF 5 (see page 492)		



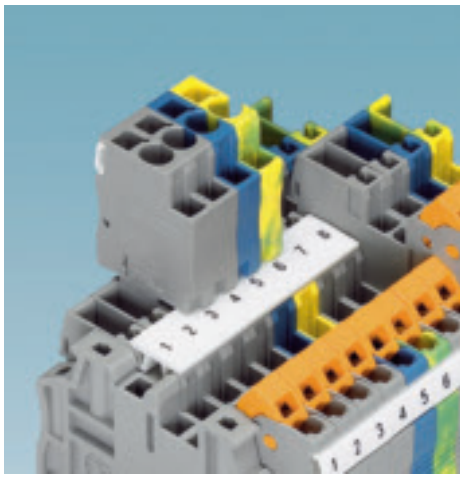
SP 4/1...

Non-bridgeable, conductor connection in plug-in direction

Width	Length	Height	Height when plugged in
6.2 x No. of pos.	**21**	**41.5**	**24**
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
32[1])	**800**	**0.08 - 6**	**28 - 10**
IEC 61984 IEC	UL / CUL	CSA	IEC/ EN 60079-7
800	600	600	-
32[1]) / 4	30 / -	30 / -	- / -
4	-	-	-
28 - 10	28-10	24-12	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4 0.5 - 1
10			
PA			
V0			

Type	Order No.	Pcs. / Pkt.
SP 4/ 1-L	**3042751**	50
SP 4/ 1-L BU	**3042764**	50
SP 4/ 1-L GNYE	**3042777**	50
SP 4/ 1-M	**3042780**	50
SP 4/ 1-M BU	**3042793**	50
SP 4/ 1-M GNYE	**3042803**	50
SP 4/ 1-R	**3042816**	50
SP 4/ 1-R BU	**3042829**	50
SP 4/ 1-R GNYE	**3042832**	50
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PRZ	**3040614**	50
PR	**3040559**	50
PR/2	**3040630**	50
PZ/2	**3040627**	50
UC-TMF 5 (see page 482)		
ZBF 5 (see page 492)		

Self-assembly ST-COMBI plugs with spring-cage connection



The ST-COMBI plugs for self-assembly provide solutions that users can implement themselves. The connector with spring-cage connection is snapped together from one-position connector elements directly on site.

The design of a connector is shown as an example, see page 284.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

For extra accessories, see page 292.

[1]) Derating curve available on request.



SPB 2,5/1...

Bridgeable, conductor connection in plug-in direction

Dimensions		Width	Length	Height	Height when plugged in
	[mm]	**5.2 x No. of pos.**	**20**	**39**	**24**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		24[1])	**500**	**0.08 - 4**	**28 - 12**
Rated data		IEC 61984 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	600	300	-
Nominal current / cross-section	[A] / [mm²]	24[1]) / 2.5	20 / -	20 / -	- / -
Rated cross-section	[mm²]	2.5	-	-	-
Cross-section range	AWG	28 - 12	28-12	24-12	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]				0.5
General data					
Stripping length	[mm]	10			
Insulating material		PA			
Inflammability class acc. to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
ST-COMBI connector, bridgeable, left element						
	1	Gray	**SPB 2,5/ 1-L**		**3043103**	50
	1	Blue	**SPB 2,5/ 1-L BU**		**3043116**	50
	1	Green-yellow	**SPB 2,5/ 1-L GNYE**		**3043129**	50
ST-COMBI connector, bridgeable, center element						
	1	Gray	**SPB 2,5/ 1-M**		**3043132**	50
	1	Blue	**SPB 2,5/ 1-M BU**		**3043145**	50
	1	Green-yellow	**SPB 2,5/ 1-M GNYE**		**3043158**	50
ST-COMBI connector, bridgeable, right element						
	1	Gray	**SPB 2,5/ 1-R**		**3043161**	50
	1	Blue	**SPB 2,5/ 1-R BU**		**3043174**	50
	1	Green-yellow	**SPB 2,5/ 1-R GNYE**		**3043187**	50

Accessories

Plug-in bridge for cross connections in the bridge shaft						
	2	Red	**FBS 2-5**	24 A	**3030161**	50
	3	Red	**FBS 3-5**	24 A	**3030174**	50
	4	Red	**FBS 4-5**	24 A	**3030187**	50
	5	Red	**FBS 5-5**	24 A	**3030190**	50
	10	Red	**FBS 10-5**	24 A	**3030213**	10
	20	Red	**FBS 20-5**	24 A	**3030226**	10
Test plug, consisting of: metal part for 2.3 mm Ø socket hole and			**MPS-MT**		**0201744**	10
insulating sleeve for MPS metal part		Red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		Red	**PS-5**		**3030983**	10
Snap-on and strain relief, for all connectors with conductor exit at top, 2-pos.		Orange	**PRZ**		**3040614**	50
Snap-on, for plugs, 1-pos.		Orange	**PR**		**3040559**	50
2-pos.		Orange	**PR/2**		**3040630**	50
Strain relief, for SP... and SP(D)B... connectors, 2-pos.		Black	**PZ/2**		**3040627**	50
4-pos.		Black	**PZ/4**		**3040643**	50
UniCard sheet, flat, for labeling the lateral groove			**UC-TMF 5 (see page 482)**			
Zack marker strip, flat, for labeling the lateral groove			**ZBF 5 (see page 492)**			



SPDB 2,5/1...

Bridgeable, double conductor connection in plug-in direction

Width	Length	Height	Height when plugged in
5.2 x No. of pos.	**32.7**	**39**	**24**
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
24[1])	**500**	**0.08 - 4**	**28 - 12**
IEC 61984 IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	600	300	-
24[1]) / 2.5	20 / -	20 / -	- / -
2.5	-	-	-
28 - 12	28-12	24-12	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
10 PA V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
SPDB 2,5/ 1-L		**3043190**	50
SPDB 2,5/ 1-L BU		**3043200**	50
SPDB 2,5/ 1-L GNYE		**3043213**	50
SPDB 2,5/ 1-M		**3043226**	50
SPDB 2,5/ 1-M BU		**3043239**	50
SPDB 2,5/ 1-M GNYE		**3043242**	50
SPDB 2,5/ 1-R		**3043255**	50
SPDB 2,5/ 1-R BU		**3043268**	50
SPDB 2,5/ 1-R GNYE		**3043271**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
PRZ		**3040614**	50
PR		**3040559**	50
PR/2		**3040630**	50
PDZ/2		**3040562**	50
PDZ/4		**3040575**	50
UC-TMF 5 (see page 482)			
ZBF 5 (see page 492)			

Self-assembly COMBI connectors with a push-in connection

The PIT-push-in method is particularly suitable for wiring solid conductors and conductors with ferrules. They can be connected by simply plugging them in without using any tool.

The design of a connectors is shown as an example, see page 284.

The PP-H 2,5/... connectors enable the use of cable housings PH 2,5..., see page 295.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

For extra accessories, see page 292.

For more cable housings, see page 295.

[1]) Derating curve available on request.



PP-H 2,5/1...

Non-bridgeable, conductor connection in plug-in direction

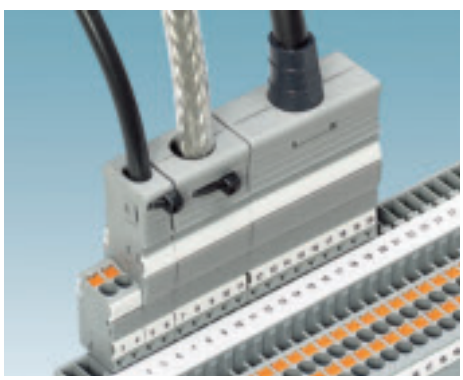
Dimensions		Width	Length	Height	Height when plugged in
	[mm]	**5.2 x No. of pos.**	**15.8**	**39**	**24**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		24[1])	**500**	**0.14 - 4**	**26 - 12**
Rated data		IEC 61984 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	-	-	-
Nominal current / cross-section	[A] / [mm²]	24[1]) / 2.5	- / -	- / -	- / -
Rated cross-section	[mm²]	2.5	-	-	-
Cross-section range	AWG	26 - 12	-	-	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]				0.5
Directly pluggable connection cross-sections	[mm²]	0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
General data					
Stripping length	[mm]	10			
Insulating material		PA			
Inflammability class acc. to UL 94		V0			

Ordering data

Description	No. of pos.	Width	Color	Type	Order No.	Pcs. / Pkt.
COMBI connector, with a push-in connection, non-bridgeable, left element						
	1	5.2 mm	Gray	**PP-H 2,5/1-L**	**3210062**	50
	1	5.2 mm	Blue	**PP-H 2,5/1-L BU**	**3210075**	50
	1	5.2 mm	Green-yellow	**PP-H 2,5/1-L GNYE**	**3210088**	50
COMBI connector, with a push-in connection, not bridgeable, middle element						
	1	5.2 mm	Gray	**PP-H 2,5/1-M**	**3210091**	50
	1	5.2 mm	Blue	**PP-H 2,5/1-M BU**	**3210101**	50
	1	5.2 mm	Green-yellow	**PP-H 2,5/1-M GNYE**	**3210114**	50
COMBI connector, with a push-in connection, not bridgeable, right element						
	1	5.2 mm	Gray	**PP-H 2,5/1-R**	**3210127**	50
	1	5.2 mm	Blue	**PP-H 2,5/1-R BU**	**3210130**	50
	1	5.2 mm	Green-yellow	**PP-H 2,5/1-R GNYE**	**3210143**	50

Accessories

Test plug, consisting of: metal part for 2.3 mm Ø socket hole and		**MPS-MT**	**0201744**	10
insulating sleeve for MPS metal part	Red	**MPS-IH RD**	**0201676**	10
Snap-on and strain relief, for all connectors with conductor exit at top, 2-pos.	Orange	**PRZ**	**3040614**	50
Snap-on, for plugs, 1-pos.	Orange	**PR**	**3040559**	50
	Orange	**PR/2**	**3040630**	50
Strain relief, for SP... and SP(D)B... connectors, 2-pos.	Black	**PZ/2**	**3040627**	50
4-pos.	Black	**PZ/4**	**3040643**	50
Flange housing, for SP-H and PP-H COMBI connectors		**DF-SP-H 2,5**	**3209824**	50
Cable housing, for COMBI connectors SP-H 2,5... and PP-H 2,5...	Gray	**PH 2,5/ 2**	**3209691**	50
	Gray	**PH 2,5/ 3**	**3209701**	50
	Gray	**PH 2,5/ 4**	**3209714**	50
	Gray	**PH 2,5/ 5**	**3209727**	50
Screwdriver		**SZF 1-0,6X3,5**	**1204517**	10
UniCard sheet, flat, for labeling the lateral groove		**UC-TMF 5 (see page 482)**		
Zack marker strip, flat, for labeling the lateral groove		**ZBF 5 (see page 492)**		



Self-assembly COMBI connectors with fast connection



Just like the basic terminal blocks, the connectors also offer the right connection method for every application. The fast connector QP 1,5/... is designed for connection of solid and stranded conductors. The conductor is wired using the familiar IDC or insulation displacement connection with no stripping, thus saving time.

The design of a connector is shown as an example, see page 284.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

For extra accessories, see page 292.

1) Derating curve available on request.



QP 1,5/1...

Non-bridgeable, conductor connection in plug-in direction

Dimensions		Width	Length	Height	Height when plugged in
	[mm]	**5.2 x No. of pos.**	**20**	**40**	**24**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		17.5[1])	**500**	**0.25 - 1.5**	**24 - 16**
Rated data		IEC 61984 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	600	600	-
Nominal current / cross-section	[A] / [mm²]	17.5[1]) / 1.5	10 / -	10 / -	- / -
Rated cross-section	[mm²]	1.5	-	-	-
Cross-section range	AWG	24 - 16	24-16	24-16	-
Connection cross-section in acc. with DIN VDE 0295					
H05V(Z) / H07V(Z)	[mm²]	0.5 - 1.5			
Class 5 / class 6 [litz wires Ø ≥ 0.1 mm]	[mm²]	0.25 - 0.34			
[Litz wires Ø ≥ 0.19 mm]	AWG	24 - 16			
Frequency of connections with the same cross-section		100			
General data					
Insulating material		PA			
Inflammability class acc. to UL 94		V0			

Ordering data

Description	No. of pos.	Width	Color	Type	Order No.	Pcs. / Pkt.
COMBI connector, with a fast connection, non-bridgeable, left element						
	1	5.2 mm	Gray	**QP 1,5/ 1-L**	**3051014**	50
	1	5.2 mm	Blue	**QP 1,5/ 1-L BU**	**3051027**	50
	1	5.2 mm	Green-yellow	**QP 1,5/ 1-L GNYE**	**3051030**	50
COMBI connector, with a fast connection, non-bridgeable, center element						
	1	5.2 mm	Gray	**QP 1,5/ 1-M**	**3051043**	50
	1	5.2 mm	Blue	**QP 1,5/ 1-M BU**	**3051056**	50
	1	5.2 mm	Green-yellow	**QP 1,5/ 1-M GNYE**	**3051069**	50
COMBI connector, with a fast connection, non-bridgeable, right element						
	1	5.2 mm	Gray	**QP 1,5/ 1-R**	**3051072**	50
	1	5.2 mm	Blue	**QP 1,5/ 1-R BU**	**3051085**	50
	1	5.2 mm	Green-yellow	**QP 1,5/ 1-R GNYE**	**3051098**	50

Accessories

Test plug, consisting of: metal part for 2.3 mm Ø socket hole and **insulating sleeve** for MPS metal part	Red	**MPS-MT** **MPS-IH RD**	**0201744** **0201676**	10 10
Snap-on and strain relief, for all connectors with conductor exit at top, 2-pos.	Orange	**PRZ**	**3040614**	50
Snap-on, for plugs, 1-pos.	Orange	**PR**	**3040559**	50
	Orange	**PR/2**	**3040630**	50
Strain relief, for SP... and SP(D)B... connectors, 2-pos.	Black	**PZ/2**	**3040627**	50
4-pos.	Black	**PZ/4**	**3040643**	50
Screwdriver		**SZF 1-0,6X3,5**	**1204517**	10
UniCard sheet, flat, for labeling the lateral groove		**UC-TMF 5 (see page 482)**		
Zack marker strip, flat, for labeling the lateral groove		**ZBF 5 (see page 492)**		

Strain relief for plugs



Strain reliefs are available for the plugs and can be snapped in at the required points as an option. The PZ/... strain reliefs are snapped in from outside.

For application options of accessories, refer to page 309.
For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



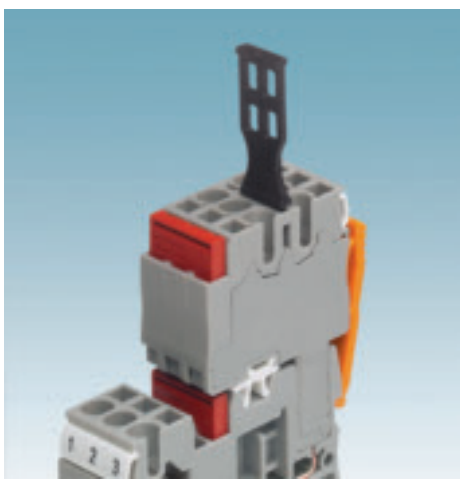
PZ/ ...

General data	
Material	PA-GF

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Strain relief, for SP... and SP(D)B... connectors, 2-pos.	Black	**PZ/2**	**3040627**	50
4-pos.	Black	**PZ/4**	**3040643**	50
Strain relief, for UPBV plugs, 2-pos.	Black	**UPZ/ 2**	**3045554**	50

Strain relief for plugs and receptacles



Strain relief PDZ/... snaps onto the spring-cage connector SPDB ... and the receptacles in the center of the connector.

For application options of accessories, refer to page 309.
For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



PDZ/ ...

General data	
Material	PA-GF

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Strain relief, for SPDB... connector and SC 2,5... receptacle, 2-pos.	Black	**PDZ/2**	**3040562**	50
4-pos.	Black	**PDZ/4**	**3040575**	50
Strain relief, for SC 4... receptacle, 2-pos.	Black	**CZ/2**	**3043831**	50

Snap-lock device and strain relief



PRZ and UPRZ are also snapped into the connector housing as required and offer a combination of snap fitting and strain relief in one component.

For application options of accessories, refer to page 309.
For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



PRZ

General data	
Material	PA-GF

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Snap-on and strain relief, for all connectors with conductor exit at top, 2-pos.	Orange	**PRZ**	**3040614**	50
Snap-lock device and strain relief, for UPBV... plugs, 2-pos.	Orange	**UPRZ**	**3045570**	50

Snap-lock fitting



The PR... snap-lock fitting can be used for all connector variants. It is snapped into the outside of the connector housing as an option and hooks onto the terminal block housing when the connector is engaged.

For application options of accessories, refer to page 309.
For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



PR ...

General data	
Material	PA-GF

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Snap-on, for connectors, 1-pos.	Orange	**PR**	**3040559**	50
2-pos.	Orange	**PR/2**	**3040630**	50
Snap-on, for SPV connectors, 2-pos.	Orange	**PRV/2**	**3041862**	50
Snap-on, for UPBV connectors, 2-pos.	Orange	**UPR/ 2**	**3045567**	50

Shielding PSH ...



For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



PSH ...

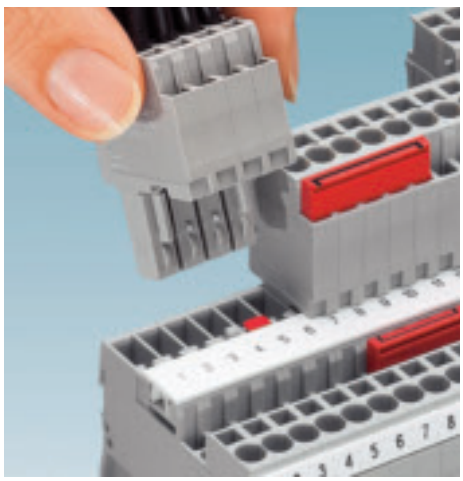
PSH... provides a solution for the connection of shielded conductors. When the terminal blocks have been wired, PSH... is snapped into PZ/... or PRZ and is then permanently secured using a cable binder. The PSH... connection cable is wired to a conductor connection point in the connector and makes contact directly with the terminal block when the connector is inserted.

General data	
Material	PA

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Shielding, for mounting on PZ/... and PRZ, 2-pos., for cables with 3-6 mm diameter	Black	**PSH 3- 6**	**3040591**	50
For cables with 5-10 mm ø	Black	**PSH 5-10**	**3040601**	50

Encoding PC



For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



PC

Specific connector positions can be defined for all the basic terminal blocks using the PC coding star. To do this, the individual branches of the coding star are inserted at the coding position in the basic terminal block and the keying tab is removed at the corresponding point of the connector.

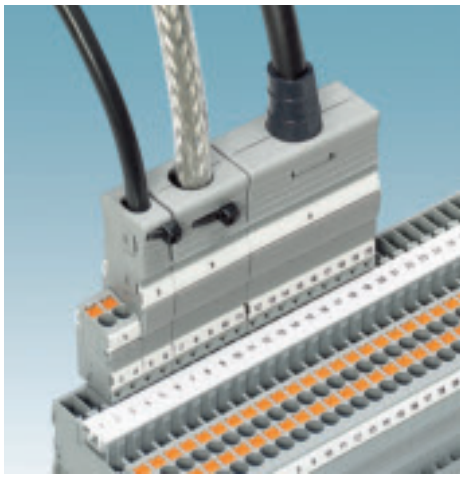
These keying tabs on the connectors can also be used for coding.

General data	
Material	PA

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Coding star, with 4 coding branches, can be inserted in all basic terminal blocks	Red	**PC**	**3040588**	50

Cable housing for COMBI connector



The cable housings are for rugged strain relief. Thanks to their two-section structure, they can be easily mounted and snapped onto the provided COMBI connectors SP-H 2,5... and PP-H 2,5... . Like connectors, they can also be aligned with each other without pitch loss. The additional marking option is for marking the connectors. Bending protection sleeves and shield connection are available as accessories.



PH 2,5/...

General data	
Insulating material	PA

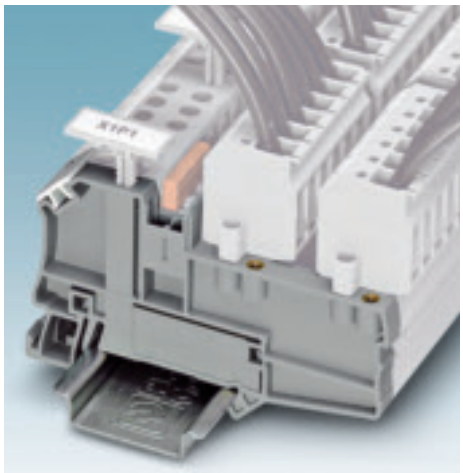
Ordering data

Description	No. of pos.	Width	Color	Type	Order No.	Pcs. / Pkt.
Cable housing, for COMBI connectors SP-H 2,5... and PP-H 2,5...						
	2	10.4 mm	Gray	**PH 2,5/ 2**	**3209691**	50
	3	15.6 mm	Gray	**PH 2,5/ 3**	**3209701**	50
	4	20.8 mm	Gray	**PH 2,5/ 4**	**3209714**	50
	5	26 mm	Gray	**PH 2,5/ 5**	**3209727**	50
	6	31.2 mm	Gray	**PH 2,5/ 6**	**3209730**	25
	7	36.4 mm	Gray	**PH 2,5/ 7**	**3209743**	25
	8	41.6 mm	Gray	**PH 2,5/ 8**	**3209756**	25
	9	46.8 mm	Gray	**PH 2,5/ 9**	**3209507**	25
	10	52 mm	Gray	**PH 2,5/10**	**3209769**	25
	11	57.2 mm	Gray	**PH 2,5/11**	**3209772**	10
	12	62.4 mm	Gray	**PH 2,5/12**	**3209785**	10
	13	67.6 mm	Gray	**PH 2,5/13**	**3209798**	10
	14	72.8 mm	Gray	**PH 2,5/14**	**3209808**	10
	15	78 mm	Gray	**PH 2,5/15**	**3209811**	10

Accessories

Bending protection sleeve, for cable diameters of 3-9 mm, suitable for PH 2,5/3 - PH 2,5/5	**CPH 3-9**	**3212015**	25
Bending protection sleeve, for cable diameters of 4-12 mm, suitable for PH 2,5/6 - PH 2,5/15	**CPH 4-12**	**3212028**	25
Cable clamp, with screws, suitable for PH 2,5/6 - PH 2,5/15	**HSR**	**3212031**	25
Shield connection, suitable for PH 2,5/3 PH 2,5/15	**HSH-METALL**	**3210910**	50

Screw flange and flange cover





... 2,5/ ...-F

The **screw flanges** are mounted directly on the DIN rail. They have the same structure and pitch as the respective basic terminal blocks. Due to the offset arrangement of the screw sockets, only one basic flange is required between two neighboring connectors at a time.

The **flange covers** can be subsequently snapped onto the housing. They are used to secure the screw connection of the plugs to the screw flanges.

General data	
Insulating material	PA

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Screw flange, for UT COMBI terminal blocks, For UT 2,5/1P, UT 2,5/1P-PE	Gray	**UT 2,5/1P-F**	**3060445**	50
For UT 2,5-TWIN/1P	Gray	**UT 2,5-TWIN/1P-F**	**3061172**	50
for UTTB 2,5/ 2P, UTTB 2,5/ 2P-PV, UTTB 2,5/ 2P-PE	Gray	**UTTB 2,5/2P-F**	**3060474**	50
Screw flange, for ST COMBI terminal blocks, For ST 2,5/1P, ST 2,5/1P-PE, PIT 2,5/1P, PIT 2,5/1P-PE	Gray	**ST 2,5/1P-F**	**3209837**	50
For ST 2,5/2P, ST 2,5/2P-PE, PIT 2,5/2P, PIT 2,5/2P-PE	Gray	**ST 2,5/2P-F**	**3061198**	50
For ST 2,5-TWIN/1P, ST 2,5-TWIN/1P-PE, PIT 2,5-TWIN/1P, PIT 2,5-TWIN/1P-PE	Gray	**ST 2,5-TWIN/1P-F**	**3209840**	50
For ST 2,5-QUATTRO/2P, ST 2,5-QUATTRO/2P-PE, ST 2,5-TWIN-MT/1P, ST 2,5-TWIN-TG/1P, PIT 2,5-QUATTRO/2P, PIT 2,5-QUATTRO/2P-PE	Gray	**ST 2,5-QUATTRO/2P-F**	**3209853**	50
For ST 2,5-QUATTRO/4P, ST 2,5-QUATTRO/4P-PE	Gray	**ST 2,5-QUATTRO/4P-F**	**3061208**	50
For STTB 2,5/2P, STTB 2,5/2P-PV, STTB 2,5/2P-PE, PITTB 2,5/2P	Gray	**STTB 2,5/2P-F**	**3061169**	50
Screw flange, for QTC COMBI terminal blocks, for QTC 1,5/1P, QTC 1,5/1P-PE	Gray	**QTC 1,5/1P-F**	**3061211**	50
for QTTCB 1,5/ 2P, QTTCB 1,5/ 2P-PE	Gray	**QTTCB 1,5/ 2P-F**	**3061185**	50
Screw flange, for UT COMBI terminal blocks, For UT 4/1P, UT 4/1P-PE	Gray			
for UT 2,5-TWIN/ 1P, UT 2,5-TWIN/ 1P-PE, UT 4-TWIN/ 1P, UT 4-TWIN/ 1P-PE	Gray			
for UT 4-QUATTRO/2P, UT 4-QUATTRO/2P-PE	Gray			
Flange cover, for UP 4 COMBI connector	Gray			
Flange cover, for UPBV 2,5 and UPBV 4 COMBI connectors	Gray			
Flange housing, for SP-H and PP-H COMBI connectors				





... 4/ ...-F



DF- ...

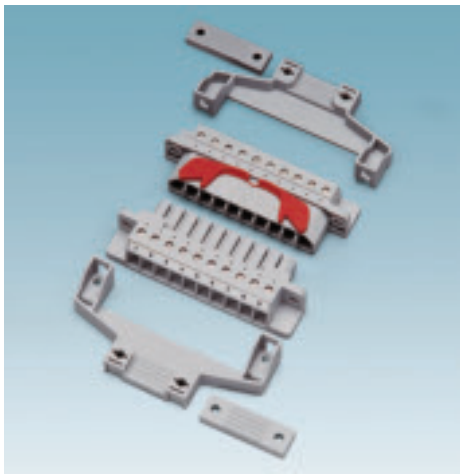
PA

Type	Order No.	Pcs. / Pkt.
UT 4/ 1P-F	3060458	50
UT 4-TWIN/ 1P-F	3060322	50
UT 4-QUATTRO/ 2P-F	3060335	50

PA

Type	Order No.	Pcs. / Pkt.
DF-UP 4	3060348	50
DF-UPBV 2,5/ 4	3060432	50
DF-SP-H 2,5	3209824	50

High-current plug connectors
HCC 4-...



For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) Derating curve available on request.



HCC 4-M

Connector, 10-pos, with screw connection

Easy-to-assemble plug connectors with a high current carrying capacity are required more and more in the construction of control and switchgear. This is where the high-current plug connector HCC 4 comes into use.

It has the following features:

– Screw connection for stranded conductors of up to 4 mm², socket part optionally also for 0.5-2.5 mm² crimp connection
– Touch-proof, even when unplugged
– Strain relief for connector and socket components
– Two engagement catches automatically ensure against unintentional loosening when plugged in
– Keying is possible without loss of pitch by inserting keying profiles into the connector and socket, and
– DIN rail mountable on NS 32... or NS 35... thanks to foot element that can be screwed on

Dimensions		Width	Length	Height	
	[mm]	**92**	**34.2**	**18**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		25[1])	**500**	**0.2 - 4**	**24 - 12**
Rated data		IEC 61984 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	300	300	-
Nominal current / cross-section	[A] / [mm²]	25[1]) / 4	20 / -	20 / -	-
Rated cross-section	[mm²]	4	-	-	-
Cross-section range	AWG	24 - 12	30-10	28-10	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 4
Two conductors (of the same type)	[mm²]	0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 2.5
General data					
Stripping length	[mm]	7			
Screw thread		M3			
Tightening torque	[Nm]	0.5 - 0.6			
Insulating material		PA			
Inflammability class acc. to UL 94		V2			

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Plug component, 10-pos., with screw connection	Gray	**HCC 4-M**	**1600014**	50
Socket part, 10-pos., with screw connection	Gray			
Plug, 10-pos., with a crimp connection, without contacts, to accommodate the STG-MTN module socket contacts	Gray			
Socket part, 10-pos., with crimp connection, without contacts, for accommodating the module socket contacts STG-MTN	Gray			

Accessories

Foot element, with M4 x 10 screw, for screwing together with the socket part, for mounting on NS 32... or NS 35...	Gray	**HCC 4-FE**	**1600069**	50
Module female plug contact, is inserted into connector housing STG after the conductor has been crimped, 0.5-1 mm² For wires from 0.5 ... 1,0 mm² For conductors from 1.5 ... 2.5 mm²				
Strain relief	Gray	**HCC 4-SR**	**3100224**	10
Coding profile, prevents confusion of similar connectors	Red	**CP-HCC 4**	**1600027**	100
Fuse clip, for locking latches		**HCC 4-CLIP**	**1914823**	100
Crimping tool, for crimping conductors to the module female plug contacts STG-MTN	Black	**CRIMPFOX MT 2,5**	**1204038**	1
Contact removal tool, for removing the module female plug contacts	Gray			



HCC 4-F

Socket, 10-pos, with screw connection



HCC 4-MC

Connector, 10-pos, with crimp connection



HCC 4-FC

Socket, 10-pos, with crimp connection

Width	Length	Height	
92	**31.5**	**18**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
25[1]	**500**	**0.2 - 4**	**24 - 12**
IEC 61984			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	300	300	-
25[1] / 4	20 / -	20 / -	-
4	-	-	-
24 - 12	30-10	28-10	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 4
0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	- 0.5 - 2.5
7			
M3			
0.5 - 0.6			
PA			
V2			

Width	Length	Height	
92	**34.6**	**17**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
13.5	**400**	**-**	**-**
IEC 61984			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	-	-	-
13.5 / 1.5	- / -	- / -	-
2.5	-	-	-
-	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
-	-	-	-
-	-	-	-
-			
-			
-			
PA			
V2			

Width	Length	Height	
92	**27.6**	**17**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
13.5	**400**	**-**	**-**
IEC 61984			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	-	-	-
13.5 / 1.5	- / -	- / -	-
2.5	-	-	-
-	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
-	-	-	-
-	-	-	-
-			
-			
-			
PA			
V2			

Type	Order No.	Pcs. / Pkt.
HCC 4-F	**1600001**	50
HCC 4-FE	**1600069**	50
HCC 4-SR	**3100224**	10
CP-HCC 4	**1600027**	100
HCC 4-CLIP	**1914823**	100
CRIMPFOX MT 2,5	**1204038**	1

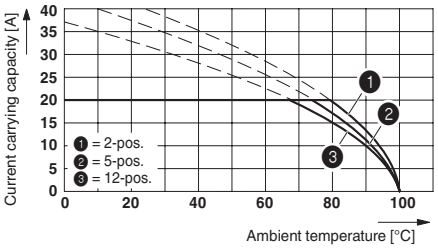
Type	Order No.	Pcs. / Pkt.
HCC 4-MC	**1660669**	50
HCC 4-FE	**1600069**	50
HCC 4-MC MT 0,5-1,0 BAND	**1600108**	4000
STG-MTN 1,5-2,5	**3190506**	100
HCC 4-SR	**3100224**	10
CP-HCC 4	**1600027**	100
HCC 4-CLIP	**1914823**	100
CRIMPFOX MT 2,5	**1204038**	1
STG-EW	**3190441**	1

Type	Order No.	Pcs. / Pkt.
HCC 4-FC	**1600030**	50
HCC 4-FE	**1600069**	50
STG-MTN 0,5-1,0 BA	**3190629**	4000
STG-MTN 1,5-2,5 BAND	**3190632**	3300
HCC 4-SR	**3100224**	10
CP-HCC 4	**1600027**	100
HCC 4-CLIP	**1914823**	100
CRIMPFOX MT 2,5	**1204038**	1
STG-EW	**3190441**	1

Header up to 20 A with a male contact for DIN rail mounting



- PCVK 4 and UPCV3K 4 establish the pluggable connection between the electronics and the control cabinet
- For mounting on the ⊔ rail and the 15x15 mm DIN rail in accordance with EN 60715 or – in the case of UPCV3K 4-G-7,62 – for mounting on the ⊔- or ⊏⊐ rail
- Can be plugged onto PC 4 and PC 5 connector range
- Vibration-resistant connection with flange terminal blocks that can be aligned (-F)
- UPCV3K provides three connector outputs for each terminal point



Representative derating curve for: PC 4/...ST-7,62 with PCVK 4-7,62
DIN EN 61984 (VDE 0627):2002-09
Thermal test group C
Derating curve, representation based on DIN EN 60512-5-2:2003-01, connected conductor cross-section = 4 mm²
Reduction factor = 0.8
No. of positions: See diagram

COMBICON Select
The combination options of the connectors are documented in COMBICON Select. See:
www.phoenixcontact.de/searchassistants

Note:
Current carrying capacity of DIN rails, see page 728.

[1]) Please observe the derating curves and laboratory data sheets. Derating curves of further combination options on request.

Dimensions	
	[mm]
Dimensions	
	[mm]
Max. electrical data	
Rated data	
Rated voltage	[V]
Nominal current / cross-section	[A] / [mm²]
Rated cross-section	[mm²]
Cross-section range	AWG
Connection capacity	
One conductor	[mm²]
Two conductors (of the same type)	[mm²]
Two stranded conductors with a TWIN ferrule	[mm²]
General data	
Stripping length	[mm]
Screw thread	
Tightening torque	[Nm]
Insulating material	
Inflammability class acc. to UL 94	

Ordering data

Description	No. of pos.	Color
Terminal block, 7.62 mm pitch	1	Green
Flange terminal block, arranged on the left and right of PCVK 4-7,62, for safe screw connection of connectors with screw flanges, pitch: 7.62 mm	1	Green
Terminal block, 7.62 mm pitch	1	Green-yellow
Terminal block, with three vertical COMBICON (Power) connectors/exits, for mounting on NS 32 or NS 35	1	Gray
Flange cover, arranged on the left and right of UPCV3K 4-G-7,62, for safe screw connection with the connectors with screw flanges		Gray

Accessories

Coding profile, prevents confusion of similar connectors	Red
Screwdriver	
Zack marker strip, 10-section, unprinted: For individual labeling with TML (101X9.5)R TR, X-PEN or CMS-P1-PLOTTER, sufficient for the labeling of 100 terminal blocks per pack	White

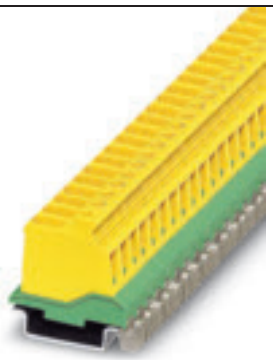


PCVK 4-7,62 ...

Single terminal block

Width	Length	Height NS 35/7,5	
7.62	**41.2**	**36.4**	
Width	Length	Height NS 32	
7.62	**41.2**	**-**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
20[1])	**500**	**0.2 - 4**	**24 - 12**
IEC	UL / CUL	CSA	IEC/ EN 60079-7
630	600	300	-
20[1]) / 4	20 / -	20 / -	- / -
4	-	-	-
24 - 12	30-10	28-10	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 4
0.25 - 2.5	0.25 - 2.5	0.25 - 1.5	- 0.5 - 2.5
10			
M3			
0.5 - 0.6			
PA			
V0			

Type	Order No.	Pcs. / Pkt.
PCVK 4-7,62	**1849998**	50
PCVK 4-7,62-F	**1850000**	50
CP-HCC 4	**1600027**	100
SZS 0,6X3,5	**1205053**	10
ZB 7,62:UNBEDRUCKT	**1054000**	10



PCVK 4-7,62-PE

Single terminal block as protective conductor

Width	Length	Height NS 35/7,5	
7.62	**42.4**	**36.4**	
Width	Length	Height NS 32	
7.62	**42.4**	**-**	
	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
	500	**0.2 - 4**	**24 - 12**
IEC	UL / CUL	CSA	IEC/ EN 60079-7
630	-	-	-
- / 4	- / -	- / -	- / -
4	-	-	-
24 - 12	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 4
0.25 - 2.5	0.25 - 2.5	0.25 - 1.5	- 0.5 - 2.5
10			
M3			
0.5 - 0.6			
PA			
V0			

Type	Order No.	Pcs. / Pkt.
PCVK 4-7,62-PE	**1876246**	50
CP-HCC 4	**1600027**	100
SZS 0,6X3,5	**1205053**	10
ZB 7,62:UNBEDRUCKT	**1054000**	10



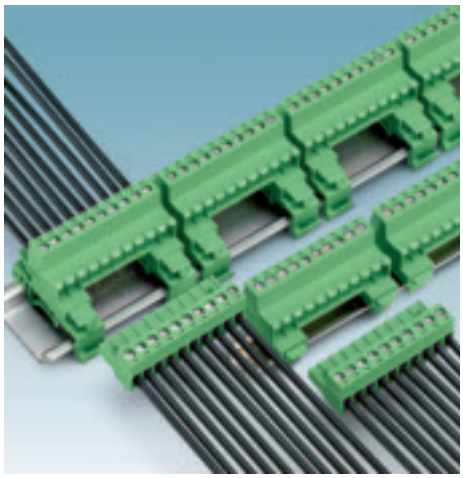
UPCV3K ...

Single terminal block with 3 connector entries

Width	Length	Height NS 35/7,5	
7.62	**74.4**	**41.2**	
Width	Length	Height NS 32	
7.62	**74.4**	**46.2**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
20[1])	**800**	**0.2 - 4**	**24 - 10**
IEC	UL / CUL	CSA	IEC/ EN 60079-7
1000	600	-	-
20[1]) / 4	20 / -	- / -	- / -
4	-	-	-
24 - 10	30-10	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 4
0.25 - 2.5	0.25 - 2.5	0.25 - 1.5	- 0.5 - 2.5
10			
M3			
0.5 - 0.6			
PA			
V0			

Type	Order No.	Pcs. / Pkt.
UPCV3K 4-G-7,62	**1838381**	50
UPCV3K-F	**1881202**	50
CP-HCC 4	**1600027**	100
SZS 0,6X3,5	**1205053**	10
ZB 7,62:UNBEDRUCKT	**1054000**	10

Plug-in blocks for rail mounting



- MSTBHK 2,5 with foot element for mounting on the 15x5 mm DIN rail (NS15) in accordance with EN 60715-TH15
- UMSTBHK 2,5 with universal foot for mounting on NS 32 or NS 35 DIN rails
- Can be combined with almost all COMBICON plugs with 5.0 mm and 5.08 mm pitch

Note:
In compliance with DIN EN 61984, COMBICON connectors come without switching capacity. During designated use, they must not be plugged in or disconnected when carrying voltage or under load.



MSTBHK 2,5/10-G...

Plug-in block, with MSTB plug connection on one side and screw connection on the other side

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**23.1**	**52.3**	**-**	
Dimensions		Width	Length	Height NS 15	
	[mm]	**23.1**	**52.3**	**27.7**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**23.1**	**52.3**	**-**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		12	**250**	**0.2 - 2.5**	**24 - 12**
Rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	320	300	300	-
Nominal current / cross-section	[A] / [mm²]	12 / 2.5	12 / -	10 / -	- / -
Rated cross-section	[mm²]	2.5	-	-	-
Cross-section range	AWG	24 - 12	30-12	28-12	-
Connection capacity		Solid	Stranded	Ferrule	
				without / with plastic sleeve	
One conductor	[mm²]	0.2 - 2.5	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
Two conductors (of the same type)	[mm²]	0.2 - 1	0.2 - 1.5	0.25 - 1	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1.5
General data					
Stripping length	[mm]	7			
Screw thread		M3			
Tightening torque	[Nm]	0.5 - 0.6			
Insulating material		PA			
Inflammability class acc. to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.
Plug-in block, 5.0 mm pitch	10	Green	**MSTBHK 2,5/10-G**	**1765085**	50
Plug-in block, 5.08 mm pitch	10	Green	**MSTBHK 2,5/10-G-5,08**	**1765030**	50

Accessories

Keying tab, for MSTB pin strips, for forming sections, plugged onto the header pin, green insulating material	**MSTB-BL**	**1755477**	100
Lock, prevents MSTB connector being pulled out unintentionally, green insulating material	**MSTBHK 2,5/ 2 AH**	**5030185**	100
End bracket, to snap on NS 15, for slide-on miniature terminal blocks, can be fastened with a screw, can be labeled with KLM 1 — Gray	**E/MBK**	**1401637**	100
End bracket, to screw on, for NS 35 and NS 32, can be labeled with ZB 6, KLM, KLM-A and UBE — Gray	**E/UK**	**1201442**	50
Screwdriver	**SZS 0,6X3,5**	**1205053**	10



UMSTBHK 2,5/10-G

Plug-in block, with MSTB plug connection on one side and screw connection on the other side

Width	Length	Height NS 35/7,5	
42.5	**52.3**	**33**	
Width	Length	Height NS 15	
42.5	**52.3**	**-**	
Width	Length	Height NS 32	
42.5	**52.3**	**38**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
12	**250**	**0.2 - 2.5**	**24 - 12**

IEC	UL / CUL	CSA	IEC/ EN 60079-7
320	300	300	-
12 / 2.5	12 / -	10 / -	- / -
2.5	-	-	-
24 - 12	30-12	28-12	-

Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1	- 0.5 - 1.5

7	
M3	
0.5 - 0.6	
PA	
V0	

Type	Order No.	Pcs. / Pkt.
UMSTBHK 2,5/10-G	**1765768**	50

MSTB-BL	**1755477**	100
MSTBHK 2,5/ 2 AH	**5030185**	100
E/UK	**1201442**	50
SZS 0,6X3,5	**1205053**	10

Plug-in blocks for rail mounting



Note:
In compliance with DIN EN 61984, COMBICON connectors come without switching capacity. During designated use, they must not be plugged in or disconnected when carrying voltage or under load.



MSTBVK 2,5/...-G-5,08

For mounting on 15 x 5 mm DIN rail as per EN60715

– Can be combined with almost all COMBICON plugs with a 5.08 mm pitch
– Versions with and without a threaded flange
– Higher numbers of positions up to 24-pos. can be found at: **www.phoenixcontact.de/searchassistants**

MSTBVK 2,5/...-G(F)-5,08
– With foot element for mounting on the 15x5 mm DIN rail (NS15) as per EN 60715-TH15

UMSTBVK 2,5/...-G(F)-5,08
– With universal foot for mounting on NS 32 or NS 35 DIN rails

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**27.2**		**-**	
Dimensions		Width	Length	Height NS 15	
	[mm]	**27.2**		**30**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**27.2**		**-**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		12	**320**	**0.2 - 2.5**	**24 - 12**
Rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	320	300	300	-
Nominal current / cross-section	[A] / [mm²]	12 / 2.5	12 / -	10 / -	- / -
Rated cross-section	[mm²]	2.5	-	-	-
Cross-section range	AWG	24 - 12	30-12	28-12	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.2 - 2.5	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
Two conductors (of the same type)	[mm²]	0.2 - 1	0.2 - 1.5	0.25 - 1	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1.5
General data					
Stripping length	[mm]	7			
Screw thread		M3			
Tightening torque	[Nm]	0.5 - 0.6			
Insulating material		PA			
Inflammability class acc. to UL 94		V2			

Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.
	2	Green	**MSTBVK 2,5/ 2-G-5,08**	**1788729**	50
	3	Green	**MSTBVK 2,5/ 3-G-5,08**	**1788732**	50
	4	Green	**MSTBVK 2,5/ 4-G-5,08**	**1788745**	50
	5	Green	**MSTBVK 2,5/ 5-G-5,08**	**1788758**	50
	6	Green	**MSTBVK 2,5/ 6-G-5,08**	**1788761**	50
	7	Green	**MSTBVK 2,5/ 7-G-5,08**	**1788774**	50
	8	Green	**MSTBVK 2,5/ 8-G-5,08**	**1788787**	50
	9	Green	**MSTBVK 2,5/ 9-G-5,08**	**1788790**	50
	10	Green	**MSTBVK 2,5/10-G-5,08**	**1788800**	50
	11	Green	**MSTBVK 2,5/11-G-5,08**	**1788813**	50
	12	Green	**MSTBVK 2,5/12-G-5,08**	**1788826**	50
	13	Green	**MSTBVK 2,5/13-G-5,08**	**1788839**	50
	14	Green	**MSTBVK 2,5/14-G-5,08**	**1788842**	50
	15	Green	**MSTBVK 2,5/15-G-5,08**	**1788855**	50
	16	Green	**MSTBVK 2,5/16-G-5,08**	**1788868**	50

Accessories

Insertion bridge, fully insulated, for connectors with 5.0 or 5.08 mm pitch				
2-pos.		**EBP 2- 5**	**1733169**	10
Keying tab, for MSTB pin strips, for forming sections, plugged onto the header pin, green insulating material		**MSTB-BL**	**1755477**	100
Coding section, for COMBICON headers, is inserted into the recess on the header		**CR-MSTB**	**1734401**	100
Screwdriver		**SZS 0,6X3,5**	**1205053**	10
Marker card, unprinted, with pitch divisions, self-adhesive, 10-section marker strip, 12 strips per card, can be labeled with B-STIFT or X-PEN	White	**SK 5,08/3,8:UNBEDRUCKT**	**0805412**	10



MSTBVK 2,5/...-GF-5,08

With threaded flange for mounting on a 15 x 5 mm DIN rail acc. to EN 60 715

Width	Length	Height NS 35/7,5	
27.2		**-**	
Width	Length	Height NS 15	
27.2		**30**	
Width	Length	Height NS 32	
27.2		**-**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
12	**320**	**0.2 - 2.5**	**24 - 12**

IEC	UL / CUL	CSA	IEC/ EN 60079-7
320	300	300	-
12 / 2.5	12 / -	10 / -	- / -
2.5	-	-	-
24 - 12	30-12	28-12	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 2.5	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
0.2 - 1	0.2 - 1.5	0.25 - 1	-
			0.5 - 1.5

7	
M3	
0.5 - 0.6	
PA	
V2	

Type	Order No.	Pcs. / Pkt.
MSTBVK 2,5/ 2-GF-5,08	**1788952**	50
MSTBVK 2,5/ 3-GF-5,08	**1788965**	50
MSTBVK 2,5/ 4-GF-5,08	**1788978**	50
MSTBVK 2,5/ 5-GF-5,08	**1788981**	50
MSTBVK 2,5/ 6-GF-5,08	**1788994**	50
MSTBVK 2,5/ 7-GF-5,08	**1789003**	50
MSTBVK 2,5/ 8-GF-5,08	**1803015**	50
MSTBVK 2,5/ 9-GF-5,08	**1803028**	50
MSTBVK 2,5/10-GF-5,08	**1803031**	50
MSTBVK 2,5/11-GF-5,08	**1803044**	50
MSTBVK 2,5/12-GF-5,08	**1803057**	50
MSTBVK 2,5/13-GF-5,08	**1803060**	50
MSTBVK 2,5/14-GF-5,08	**1803073**	50
MSTBVK 2,5/15-GF-5,08	**1803086**	50
MSTBVK 2,5/16-GF-5,08	**1803099**	50

EBP 2- 5	**1733169**	10
MSTB-BL	**1755477**	100
CR-MSTB	**1734401**	100
SZS 0,6X3,5	**1205053**	10
SK 5,08/3,8:UNBEDRUCKT	**0805412**	10



UMSTBVK 2,5/...-G-5,08

With universal foot, for mounting on NS 32 or NS 35

Width	Length	Height NS 35/7,5	
42.5		**36**	
Width	Length	Height NS 15	
42.5	**-**	**-**	
Width	Length	Height NS 32	
42.5		**41**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
12	**320**	**0.2 - 2.5**	**24 - 12**

IEC	UL / CUL	CSA	IEC/ EN 60079-7
320	300	300	-
12 / 2.5	12 / -	10 / -	- / -
2.5	-	-	-
24 - 12	30-12	28-12	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 2.5	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
0.2 - 1	0.2 - 1.5	0.25 - 1	-
			0.5 - 1.5

7	
M3	
0.5 - 0.6	
PA	
V2	

Type	Order No.	Pcs. / Pkt.
UMSTBVK 2,5/ 2-G-5,08	**1788114**	50
UMSTBVK 2,5/ 3-G-5,08	**1788127**	50
UMSTBVK 2,5/ 4-G-5,08	**1788130**	50
UMSTBVK 2,5/ 5-G-5,08	**1788143**	50
UMSTBVK 2,5/ 6-G-5,08	**1788156**	50
UMSTBVK 2,5/ 7-G-5,08	**1788169**	50
UMSTBVK 2,5/ 8-G-5,08	**1788172**	50
UMSTBVK 2,5/ 9-G-5,08	**1788185**	50
UMSTBVK 2,5/10-G-5,08	**1788198**	50
UMSTBVK 2,5/11-G-5,08	**1788208**	50
UMSTBVK 2,5/12-G-5,08	**1788211**	50
UMSTBVK 2,5/13-G-5,08	**1788224**	50
UMSTBVK 2,5/14-G-5,08	**1788237**	50
UMSTBVK 2,5/15-G-5,08	**1788240**	50
UMSTBVK 2,5/16-G-5,08	**1788253**	50

EBP 2- 5	**1733169**	10
MSTB-BL	**1755477**	100
CR-MSTB	**1734401**	100
SZS 0,6X3,5	**1205053**	10
SK 5,08/3,8:UNBEDRUCKT	**0805412**	10



UMSTBVK 2,5/...-GF-5,08

With threaded flange and universal foot, for mounting on NS 32 or NS 35

Width	Length	Height NS 35/7,5	
42.5		**36**	
Width	Length	Height NS 15	
42.5		**-**	
Width	Length	Height NS 32	
42.5		**41**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
12	**320**	**0.2 - 2.5**	**24 - 12**

IEC	UL / CUL	CSA	IEC/ EN 60079-7
320	300	300	-
12 / 2.5	12 / -	10 / -	- / -
2.5	-	-	-
24 - 12	30-12	28-12	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 2.5	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
0.2 - 1	0.2 - 1.5	0.25 - 1	-
			0.5 - 1.5

7	
M3	
0.5 - 0.6	
PA	
V2	

Type	Order No.	Pcs. / Pkt.
UMSTBVK 2,5/ 2-GF-5,08	**1787924**	50
UMSTBVK 2,5/ 3-GF-5,08	**1787937**	50
UMSTBVK 2,5/ 4-GF-5,08	**1787940**	50
UMSTBVK 2,5/ 5-GF-5,08	**1787953**	50
UMSTBVK 2,5/ 6-GF-5,08	**1787966**	50
UMSTBVK 2,5/ 7-GF-5,08	**1787979**	50
UMSTBVK 2,5/ 8-GF-5,08	**1787982**	50
UMSTBVK 2,5/ 9-GF-5,08	**1787995**	50
UMSTBVK 2,5/10-GF-5,08	**1788004**	50
UMSTBVK 2,5/11-GF-5,08	**1788017**	50
UMSTBVK 2,5/12-GF-5,08	**1788020**	50
UMSTBVK 2,5/13-GF-5,08	**1788033**	50
UMSTBVK 2,5/14-GF-5,08	**1788046**	50
UMSTBVK 2,5/15-GF-5,08	**1788059**	50
UMSTBVK 2,5/16-GF-5,08	**1788062**	50

EBP 2- 5	**1733169**	10
MSTB-BL	**1755477**	100
CR-MSTB	**1734401**	100
SZS 0,6X3,5	**1205053**	10
SK 5,08/3,8:UNBEDRUCKT	**0805412**	10

Plug-in blocks for rail mounting

– With universal foot for mounting on NS 32 or NS 35 DIN rails
– Can be combined with inverted (IC 2,5...ST...) connectors with 5.08 mm pitch
– Versions with and without a threaded flange

Note:
In compliance with DIN EN 61984, COMBICON connectors come without switching capacity. During designated use, they must not be plugged in or disconnected when carrying voltage or under load.



UMSTBVK 2,5/...-ST-5,08

With universal foot, for mounting on NS 32 or NS 35



UMSTBVK 2,5/...-STF-5,08

With screw flange and universal foot, For mounting on NS 32 or NS 35

Dimensions		Width	Length	Height NS 35/7,5		Width	Length	Height NS 35/7,5	
	[mm]	**42.5**		**36**		**42.5**		**36**	
Dimensions		Width	Length	Height NS 32		Width	Length	Height NS 32	
	[mm]	**42.5**		**41**		**42.5**		**41**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG	$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		12	**320**	**0.2 - 2.5**	**24 - 12**	**12**	**320**	**0.2 - 2.5**	**24 - 12**
Rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7	IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	320	300	300	-	320	300	-	-
Nominal current / cross-section	[A] / [mm²]	12 / 2.5	12 / -	10 / -	- / -	12 / 2.5	12 / -	- / -	- / -
Rated cross-section	[mm²]	2.5	-	-	-	2.5	-	-	-
Cross-section range	AWG	24 - 12	30-12	28-12	-	24 - 12	30-12	-	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.2 - 2.5	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5	0.2 - 2.5	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
Two conductors (of the same type)	[mm²]	0.2 - 1	0.2 - 1.5	0.25 - 1	-	0.2 - 1	0.2 - 1.5	0.25 - 1	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1.5				0.5 - 1.5
General data									
Stripping length	[mm]	7				7			
Screw thread		M3				M3			
Tightening torque	[Nm]	0.5 - 0.6				0.5 - 0.6			
Insulating material		PA				PA			
Inflammability class acc. to UL 94		V0				V0			

Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Plug-in block, 5.08 mm pitch	5	Green	**UMSTBVK 2,5/ 5-ST-5,08**	**1833849**	50	**UMSTBVK 2,5/ 5-STF-5,08**	**1859205**	50
	6	Green	**UMSTBVK 2,5/ 6-ST-5,08**	**1833852**	50	**UMSTBVK 2,5/ 6-STF-5,08**	**1859218**	50
	7	Green	**UMSTBVK 2,5/ 7-ST-5,08**	**1833865**	50	**UMSTBVK 2,5/ 7-STF-5,08**	**1859221**	50
	8	Green	**UMSTBVK 2,5/ 8-ST-5,08**	**1833878**	50	**UMSTBVK 2,5/ 8-STF-5,08**	**1859234**	50
	9	Green	**UMSTBVK 2,5/ 9-ST-5,08**	**1833881**	50	**UMSTBVK 2,5/ 9-STF-5,08**	**1859247**	50
	10	Green	**UMSTBVK 2,5/10-ST-5,08**	**1833894**	50	**UMSTBVK 2,5/10-STF-5,08**	**1859250**	50
	11	Green	**UMSTBVK 2,5/11-ST-5,08**	**1833904**	50	**UMSTBVK 2,5/11-STF-5,08**	**1859263**	50
	12	Green	**UMSTBVK 2,5/12-ST-5,08**	**1833917**	50	**UMSTBVK 2,5/12-STF-5,08**	**1859276**	50
	13	Green	**UMSTBVK 2,5/13-ST-5,08**	**1833920**	50	**UMSTBVK 2,5/13-STF-5,08**	**1859289**	50
	14	Green	**UMSTBVK 2,5/14-ST-5,08**	**1833933**	50	**UMSTBVK 2,5/14-STF-5,08**	**1859292**	50
	15	Green	**UMSTBVK 2,5/15-ST-5,08**	**1833946**	50	**UMSTBVK 2,5/15-STF-5,08**	**1859302**	50
	16	Green	**UMSTBVK 2,5/16-ST-5,08**	**1833959**	50	**UMSTBVK 2,5/16-STF-5,08**	**1859315**	50

Accessories

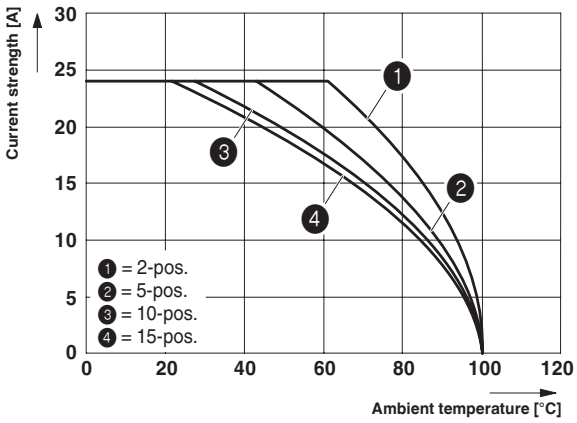
Insertion bridge, fully insulated, for connectors with 5.0 or 5.08 mm pitch								
2-pos.			**EBP 2- 5**	**1733169**	10	**EBP 2- 5**	**1733169**	10
Coding profile, for COMBICON headers, is inserted into the slot on the conector, red insulating material			**CP-MSTB**	**1734634**	100	**CP-MSTB**	**1734634**	100
Screwdriver			**SZS 0,6X3,5**	**1205053**	10	**SZS 0,6X3,5**	**1205053**	10
Marker card, unprinted, with pitch divisions, self-adhesive, 10-section marker strip, 12 strips per card, can be labeled with B-STIFT or X-PEN		White	**SK 5,08/3,8:UNBEDRUCKT**	**0805412**	10	**SK 5,08/3,8:UNBEDRUCKT**	**0805412**	10

COMBICON cross reference list

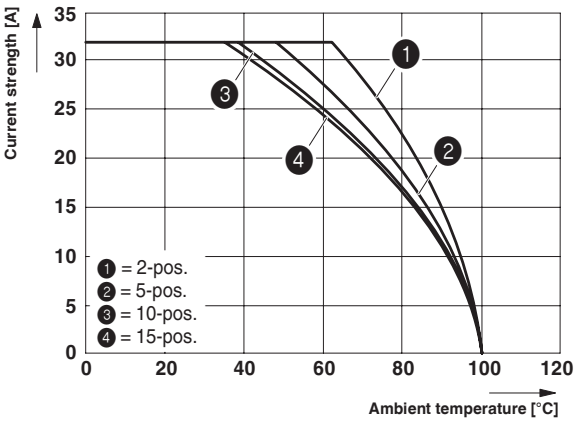
Detailed information on the connectors listed below can be found in the "COMBICON device connection technology" catalog or at www.phoenixcontact.net/eshop.

Suitable connectors	Plug-in block	PCVK 4-7,62	PCVK 4-7,62-PE	UPCV3K 4-G-7,62	MSTBHK 2,5/10-G	UMSTBHK 2,5/10-G	MSTBVK 2,5/...-G-5,08	MSTBVK 2,5/...-GF-5,08	UMSTBVK 2,5/...-G-5,08	UMSTBVK 2,5/...-GF-5,08	UMSTBVK 2,5/...-ST-5,08	UMSTBVK 2,5/...-STF-5,08
PC 4 HV/...ST-7,62		■	■	■								
PC 4 HV/...STF-7,62		■	■	■								
PC 4 HV/...STF-SH-7,62		■	■									
PC 4/...ST-7,62		■	■	■								
PC 4/...STF-7,62		■	■	■								
SPC 5/...ST-7,62		■	■	■								
SPC 5/...STF-7,62		■	■	■								
SPC 5/...STF-SH-7,62		■	■									
PC 5/...ST-7,62		■	■									
PC 5/...STF-7,62		■	■									
PC 5/...STF-SH-7,62		■	■									
MSTB 2,5/...ST(F)...					■	■	■	■	■	■		
MSTB 2,5/...STZF...							■	■	■	■		
MSTBP 2,5/...ST(F)...					■	■	■	■	■	■		
SMSTB 2,5/...ST(F)...							■	■	■	■		
MVSTBR 2,5/...ST(F)...							■	■	■	■		
MVSTBW 2,5/...ST(F)...							■	■	■	■		
FRONT-MSTB 2,5/...ST(F)...					■	■	■	■	■	■		
IC 2,5/...ST(F)...											■	■
FKC 2,5/...ST(F)...					■	■	■	■	■	■		
FKCS 2,5/...ST(F)...					■	■	■	■	■	■		
FKCN 2,5/...ST(F)...					■	■	■	■	■	■		
FKCVR 2,5/...ST(F)...					■	■	■	■	■	■		
FKCVW 2,5/...ST(F)...							■	■	■	■		
TVFKC 1,5/...ST(F)...							■		■			
TVFKCL 1,5/...ST(F)...							■		■			
TFKC 2,5/...ST(F)...							■	■	■	■		
QC 1/...ST(F)...							■	■	■	■		
QC 1,5/...ST(F)...							■	■	■	■		
FKIC 2,5/...ST(F)...											■	■
FKICS 2,5/...ST(F)...											■	■
ICV 2,5/...G...					■	■	■	■	■	■		
MSTBV 2,5/...G...											■	
MSTBVA 2,5/...G...											■	
MSTBO 2,5/...G(L)(R)...											■	
EMSTBVA 2,5/...G...											■	
CCV 2,5/...G...											■	
CCVA 2,5/...G...											■	

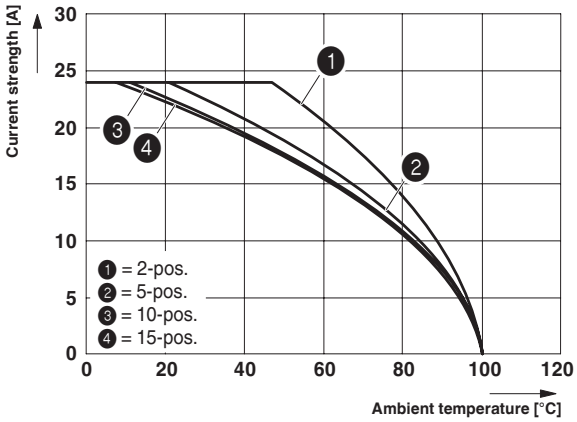
Derating curves for the COMBI system



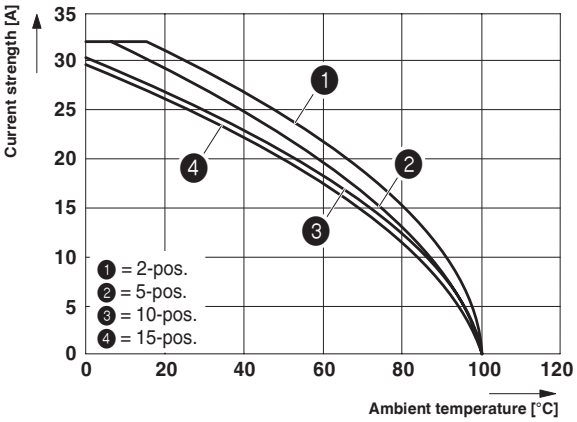
Derating curve for UT 2,5/1P with UPBV 2,5.



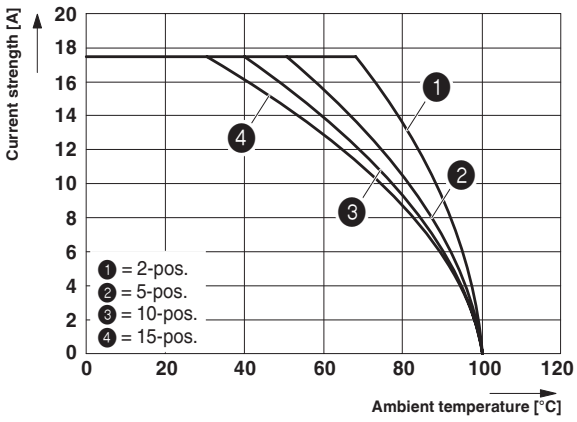
Derating curve for UT 4/1P with UPBV 4.



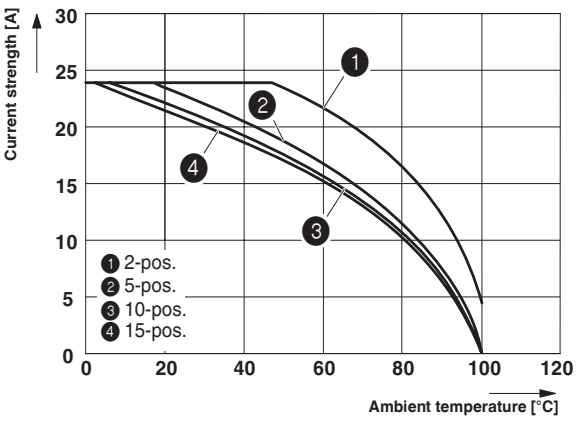
Derating curve for ST 2,5/1P with SP 2,5 and SP-H 2,5.



Derating curve for ST 4/1P with SP 4.



Derating curve for QTC 1,5/1P with QP 1,5.
Additional derating curves available on request.
The derating curves are determined by multiplying the values of the base curves by the factor 0.8.



Derating curve for PIT 2,5/1P with PP-H 2,5.

Mounting the panel feed-throughs



The SSL 2,5 panel feed-through is snapped onto the SC 2,5 and SC 4 couplings on the right and the left.



The coupling with SSL 2,5 is pushed into the cutout as far as it will go and thus snaps in automatically.



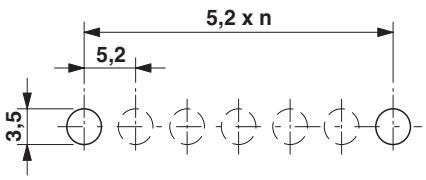
The lever is pressed down to firmly secure the coupling.



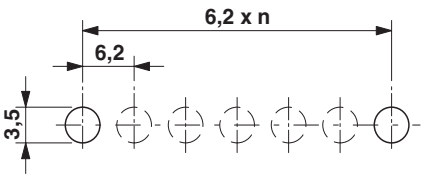
There is a recess in the lever for a screwdriver. This allows you to remove the coupling.

Drilling diagrams for SC couplings that can be mounted directly





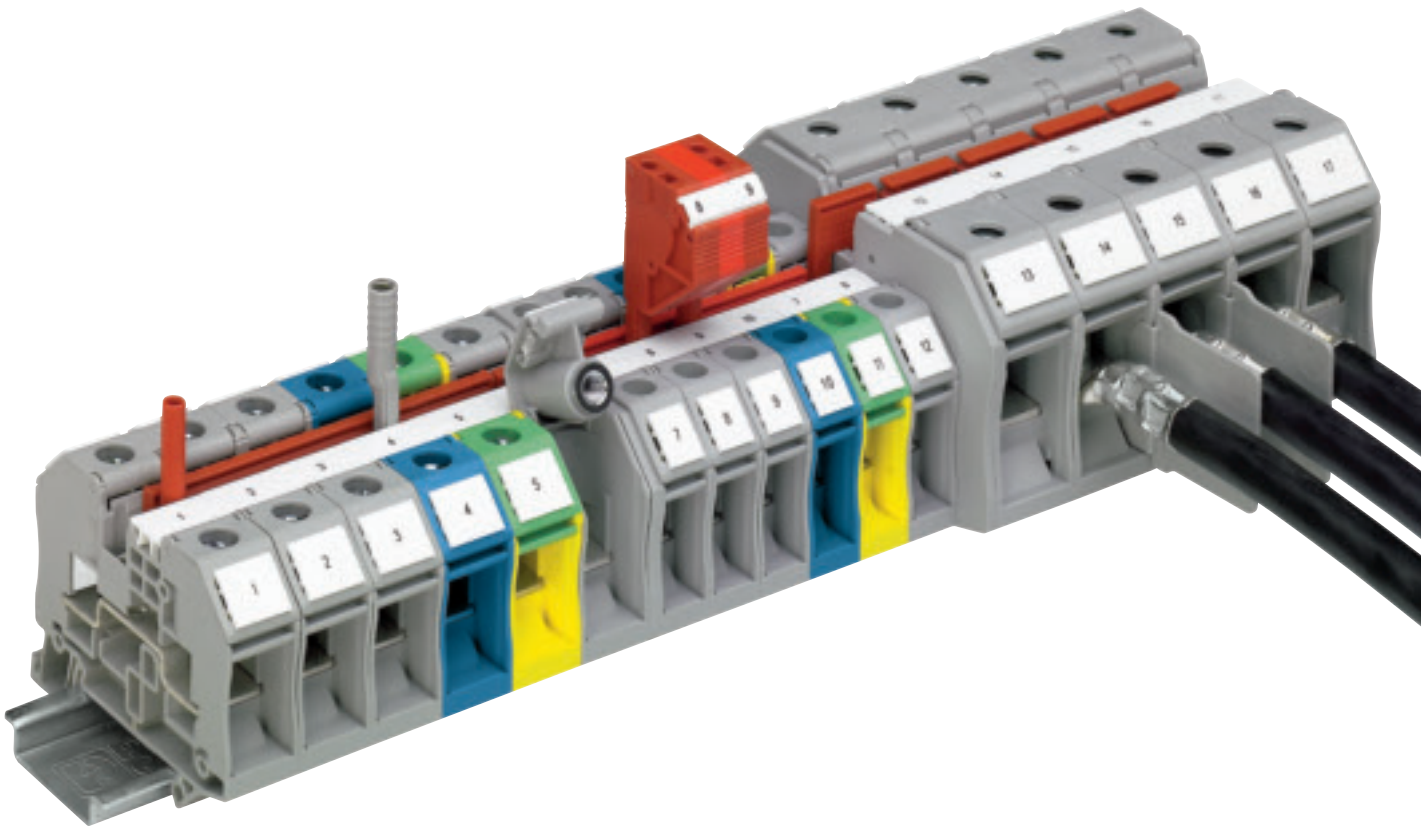
Drilling diagram SC 2,5-RZ...
Example: 6 x SC 2,5-RZ/1-L
Plate thickness: 0.8 - 1.5 mm

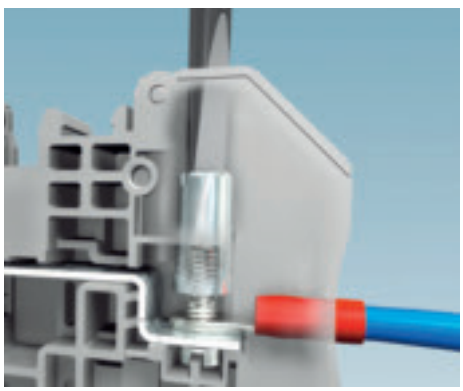


Drilling diagram: SC 4-RZ...
Example: 6 x SC 4-RZ/1-L
Plate thickness: 0.8 - 1.5 mm

Connector matrix - Accessories

	Connectors or couplings								
	SP 2,5 SPB 2,5 DPB 2,5 QP 1,5	SP-H 2,5 PP-H 2,5	SPDB 2,5	SPV 2,5	UPBV 2,5 UPBV 4	SP 4	UP 4	SC 2,5	SC 4
Snap-lock fitting	PR PR/2	PR PR/2	PR PR/2	PRV/2	UPR/2	PR PR/2	PR PR/2		
Strain relief	PZ/2 PZ/4	PZ/2 PZ/4	PDZ/2 PDZ/4	PZ/2 PZ/4	UPZ/2	PZ/2	PZ/2	PDZ/2 PDZ/4	CZ/2
Snap-lock fitting + strain relief	PRZ	PRZ			UPRZ	PRZ	PRZ		
Flange cover		DF-SP-H 2,5			DF-UPBV 2,5/4		DF-UP 4		
Strain relief hood		PH 2,5/...							





Rugged and maintenance-free

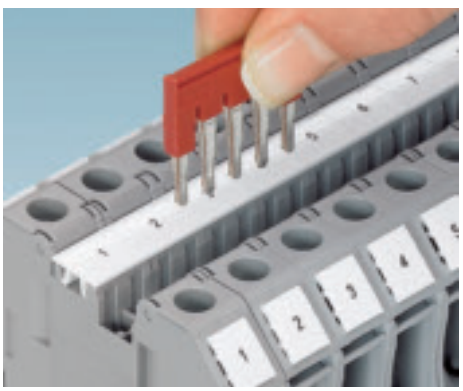
The bolt connection method is used in numerous applications. The advantages are:

– Rugged contact
– Maintenance-free thanks to integrated screw locking
– Multi-conductor connection.



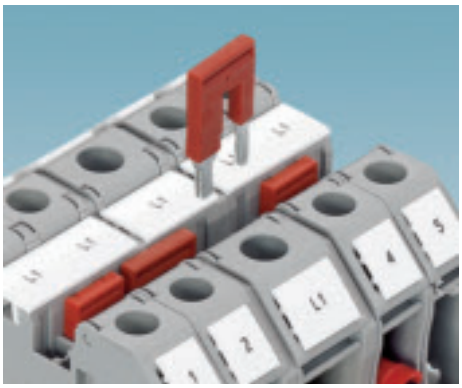
Snap-on PE foot

Ground terminal blocks of the same shape are simply snapped onto the DIN rail in order to make contact. This mechanically and electrically efficient contacting meets all the requirements of the IEC 60947-7-2 standard.

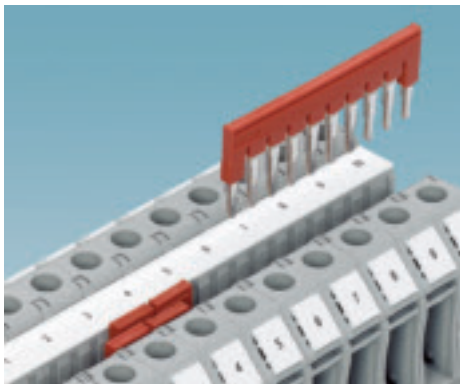


Flexible plug-in bridge system

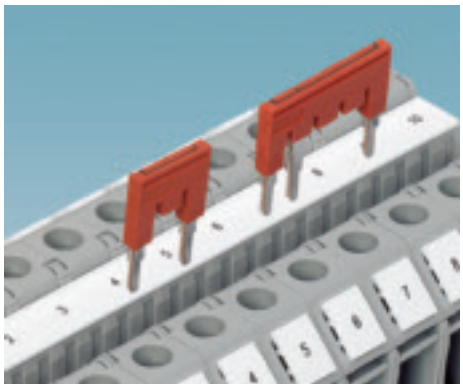
Standardized plug-in bridges allow potential distribution to be implemented quickly. Two double bridge shafts in all terminal blocks make flexible chain bridging, level bridging and bridging between non-adjacent terminal blocks possible.



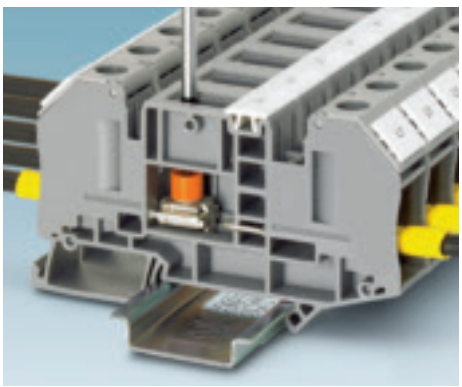
The reducing bridge enables a simple connection of terminal blocks having different nominal cross-sections, e.g. an RT 8 with an RT 3 terminal block. Power blocks can be quickly constructed with the reducing bridge.



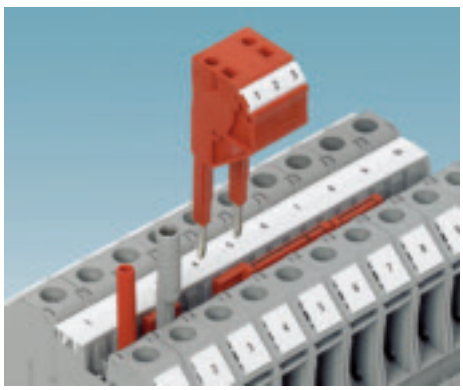
With the double bridge shaft, any number of terminal blocks can be connected with one another using two-pos. bridges. The 2 to 50 pos. bridges permit bridging of up to 25 terminal blocks in one step.



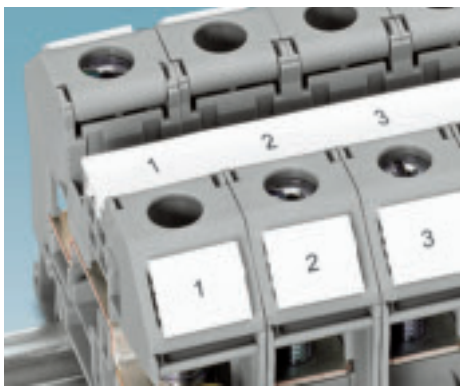
Non-adjacent terminal blocks can be bridged by breaking off individual contact tabs from the standard bridge. In this way, two potentials can be led in parallel through one terminal strip. The contact points can also be marked.



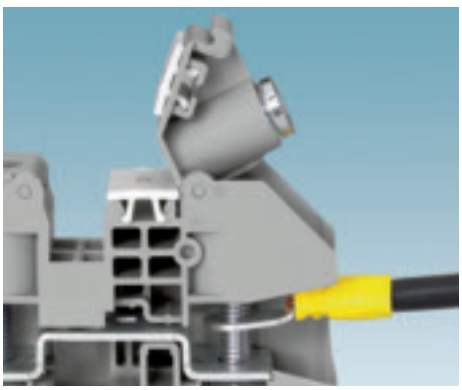
The RT 5-T is used in applications where connections have to be laid separately. Without disconnecting the contact points, the feed-through can be opened or closed using a disconnect slide that is screwed in.



A 2.3 mm Ø test plug is available for the measuring lines and a test adapter with a 4 mm Ø for safety test plugs. Test adapters can be assembled individually using the test plugs that can be aligned.



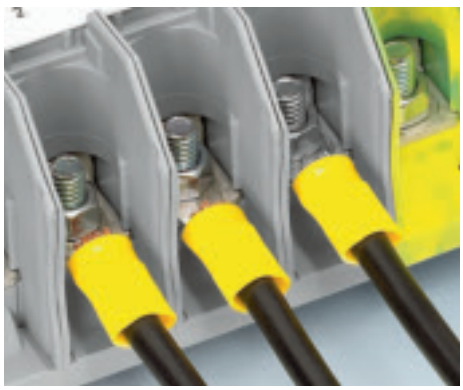
Clear labeling can be easily ensured using RT terminal blocks. The clear and large-scale marking in the terminal center ensures reliable and time-saving installation.



The folding wing typical of RT terminal blocks ensures that the insulated cable lugs remain touch proof when in use.

Moreover, the conductor connection is simplified considerably due to the captive integrated cap nut.

Each terminal point can also be labeled directly on the folding wing.



The open RTO series that has the same shape as the RT series is also available. Instead of cap nuts, standard hexagonal nuts are used in the folding wing. A version with a transparent cover ensures protection against accidental contact. The right terminal block is thus available for every application.



RT and RTO terminal blocks can also be wired with non-insulated cable lugs. The terminal blocks are equipped with BE-RT plug-in partition plates in order to ensure a high rated voltage.

Feed-through and disconnect terminal blocks RT ...

The bolt connection terminal blocks for cable lugs up to 35 mm² in accordance with DIN 46234 and DIN 46237 are distinguished by their many advantages in technical applications:

- Simple bridging and potential distribution using the patented plug-in bridges of the CLIPLINE complete system
- Testing with the standardized test adapters and test plugs of the CLIPLINE complete system
- Large-surface labeling options in the terminal center and above the terminal points
- Simple and fast connection is made possible by hinged cover wings which hold the terminal nuts captive. When the flaps are open, the bolt is freely accessible and the cable lugs can be hooked in. After the flap is closed and engages, the terminal nut is automatically positioned on the threaded bolt and can be easily tightened.
- The hinged flaps cover the live metal parts including the insulated cable lugs in the clamping area so that they are touch-proof
- A normal screwdriver can be used for the special clamping nuts
- The screws are secured against loosening by "concealed" captive spring-loaded spacers

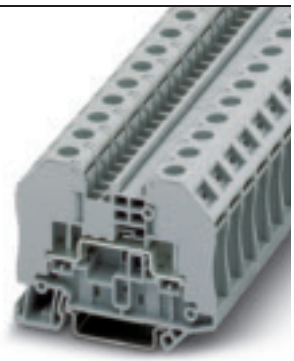
For the RT 5-T disconnect terminal block, the particular switching state is clearly indicated by the orange disconnect slide screw.

The use of the switching lock effectively prevents unintentional switching.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

When multi-position PS-... test plugs are used mounted in rows, one DP PS-... spacer plate with the same pitch must be used alternately to achieve the terminal width, see page 334.

More plug-in bridges can be found on page 330.



RT 3 ...

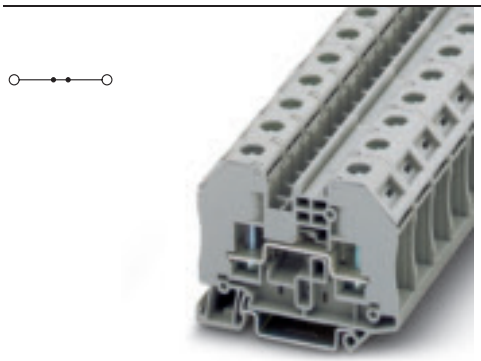
Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**12.3**	**66**	**51**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		24	**1000**	**0.1 - 2.5**	**26 - 14**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	1000	600	-	-
Nominal current / cross-section	[A] / [mm²]	24 / 2.5	30 / -	- / -	-
Rated cross-section	[mm²]	2.5	-	-	-
Cross-section range	AWG	26 - 14	-	-	-
Connection capacity, bolt connection					
Connection capacity, DIN 46234					
Cable lugs, DIN 46234	[mm²]	0.5 - 2.5			
Connection bolt / hole diameter / width	[mm]	3 / 3.2 / 6			
Connection capacity, DIN 46237					
Cable lugs DIN 46237	[mm²]	1 - 2.5			
Connection bolt / hole diameter / width	[mm]	3 / 3.2 / 6			
Color code		Red - 1.00 mm² Blue - 2.50 mm² -			
General data					
Disconnect slide: thread / torque	- / [Nm]	- / -			
Bolt thread		M3			
Tightening torque	[Nm]	0.6 - 0.8			
Insulating material		PA			
Inflammability class acc. to UL 94		V0			

Ordering data

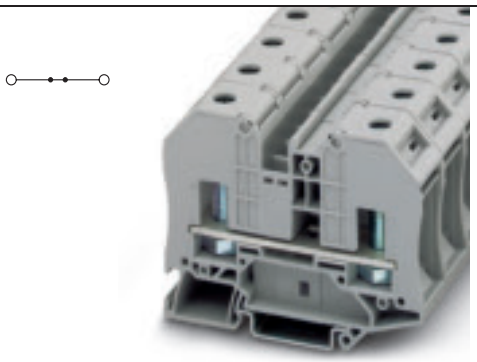
Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Bolt connection terminal, for mounting on NS 35...		Gray	**RT 3**		**3049013**	50
With cable lug connection M3 and 2.3 mm Ø test socket screws		Blue	**RT 3 BU**		**3049110**	50
Measuring transducer disconnect terminal block, for mounting on NS 35		Gray				

Accessories

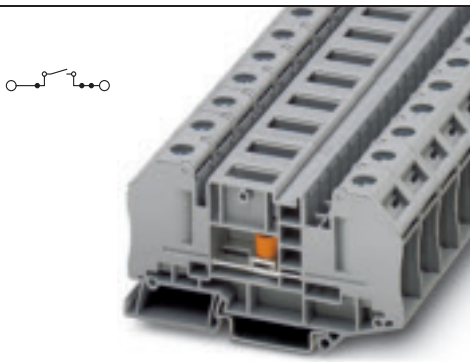
Cover, width 2.2 mm		Gray	**D-RT 3/5**		**3049097**	50
Plug-in bridge for cross connections in the bridge shaft						
	2	Red	**FBS 2-6**	32 A	**3030336**	50
	5	Red	**FBS 5-6**	32 A	**3030349**	50
	10	Red	**FBS 10-6**	32 A	**3030271**	10
	20	Red	**FBS 20-6**	32 A	**3030365**	10
Switching lock, prevents unintentional operation of the disconnect slide		White				
Test adapter, for 4 mm Ø PS test plug and 4 mm safety test plug, makes contact in the bridge shaft		Gray	**PAI-4**		**3030925**	10
Test plug, consisting of: metal part for 2.3 mm Ø socket hole and			**MPS-MT**		**0201744**	10
insulating sleeve for MPS metal part		Red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		Red	**PS-6**		**3030996**	10
Path extension, to be used for non-insulated cable lugs		Gray	**BE-RT 3/5**		**3049819**	100
Screwdriver			**SZS 1,0X6,5**		**1205079**	10
UniCard sheet, for labeling the wing flap			**UC-TM 8 (see page 479)**			
UniCard sheet, for labeling the center groove			**UC-TM 12 (see page 481)**			
Zack markers, for labeling the wing flap			**ZB 8 (see page 489)**			
Zack markers, for labeling the center groove			**ZB 12 (see page 490)**			



RT 5 ...



RT 8 ...



RT 5-T

Width	Length	Height NS 35/7,5	
16.3	**66**	**51**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
41	**1000**	**0.1 - 6**	**26 - 10**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
1000	600	-	-
41 / 6	30 / -	- / -	-
6	-	-	-
26 - 10	-	-	-
0.5 - 6			
5 / 5.3 / 10			
1 - 6			
5 / 5.3 / 10			
Red - 1.00 mm²			
Blue - 2.50 mm²			
Yellow - 6.00 mm²			
- / -			
M5			
2.5 - 3			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
RT 5		**3049026**	50
RT 5 BU		**3049123**	50
D-RT 3/5		**3049097**	50
FBS 2-8	41 A	**3030284**	10
FBS 5-8	41 A	**3030310**	10
FBS 10-8	41 A	**3030323**	10
PAI-4		**3030925**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-8		**3031005**	10
BE-RT 3/5		**3049819**	100
SZS 1,0X6,5		**1205079**	10
UC-TM 12 (see page 481)			
UC-TM 16 (see page 481)			
ZB 12 (see page 490)			
ZB 16 (see page 491)			

Width	Length	Height NS 35/7,5	
20.3	**84**	**63.8**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
125	**1000**	**2.5 - 35**	**14 - 2**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
1000	600	-	-
125 / 35	115 / -	- / -	-
35	-	-	-
14 - 2	-	-	-
2.5 - 35			
8 / 8.4 / 16			
2.5 - 6			
8 / 8.4 / 14			
-			
Blue - 2.50 mm²			
Yellow - 6.00 mm²			
- / -			
M8			
4.5 - 5			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
RT 8		**3049042**	25
RT 8 BU		**3049148**	25
D-RT 8		**3049194**	50
FBS 2-10	57 A	**3005947**	10
BE-RT 8		**3049916**	50
SZS 1,0X6,5		**1205079**	10
UC-TM 16 (see page 481)			
ZB 16 (see page 491)			
ZB 20 (see online catalog)			

Width	Length	Height NS 35/7,5	
16.3	**91.4**	**51**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
41	**1000**	**0.1 - 6**	**26 - 10**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
1000	600	-	-
41 / 6	30 / -	- / -	-
6	-	-	-
26 - 10	-	-	-
0.5 - 6			
5 / 5.3 / 10			
1 - 6			
5 / 5.3 / 10			
Red - 1.00 mm²			
Blue - 2.50 mm²			
Yellow - 6.00 mm²			
M4 / 1.5 - 1.8			
M5			
2.5 - 3			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
RT 5-T		**3049039**	25
D-RT 5-T		**3049291**	50
FBS 2-8	41 A	**3030284**	10
FBS 5-8	41 A	**3030310**	10
FBS 10-8	41 A	**3030323**	10
S-RT 5-T		**3049330**	50
PAI-4		**3030925**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-8		**3031005**	10
BE-RT 3/5		**3049819**	100
SZS 1,0X6,5		**1205079**	10
UC-TM 12 (see page 481)			
UC-TM 16 (see page 481)			
ZB 12 (see page 490)			
ZB 16 (see page 491)			

Ground terminal blocks RT ...-PE



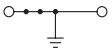
RT bolt connection terminal blocks are characterized by user-friendly handling and a sturdy design. The ground terminal blocks of the same shape make safe contact to the DIN rail by simple snapping on.

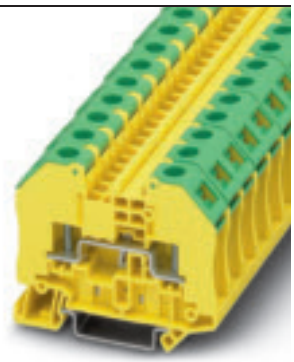
The PE terminal blocks fulfill all requirements of the IEC 60947-7-2 standard. These are in particular:
– Low contact resistances
– Corrosion-proof terminal points
– Green-yellow housing
– Additional options for marking

Current carrying capacity of DIN rails, see page 728.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

When multi-position PS-... test plugs are used mounted in rows, one DP PS-... spacer plate with the same pitch must be used alternately to achieve the terminal width, see page 334.





RT 3-PE

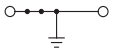
Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**12.3**	**66**	**51**	
Max. electrical data				Max. Ø [mm²]	AWG
				0.1 - 2.5	**26 - 14**
Rated data		IEC 60947-7-2 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	-	-	-	-
Nominal current / cross-section	[A] / [mm²]	- / -	- / -	- / -	-
Rated cross-section	[mm²]	2.5	-	-	-
Cross-section range	AWG	26 - 14	-	-	-
Connection capacity, bolt connection					
Connection capacity, DIN 46234					
Cable lugs, DIN 46234	[mm²]	0.5 - 2.5			
Connection bolt / hole diameter / width	[mm]	3 / 3.2 / 6			
Connection capacity, DIN 46237					
Cable lugs DIN 46237	[mm²]	1 - 2.5			
Connection bolt / hole diameter / width	[mm]	3 / 3.2 / 6			
Color code		Red - 1.00 mm²			
		Blue - 2.50 mm²			
		-			
General data					
Bolt thread		M3			
Tightening torque	[Nm]	0.6 - 0.8			
Insulating material		PA			
Inflammability class acc. to UL 94		V0			

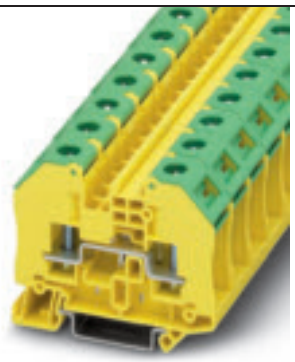
Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.
Ground terminal block, for mounting on NS 35...		Green-yellow	**RT 3-PE**	**3049411**	50

Accessories

Cover, width 2.2 mm		Gray	**D-RT 3/5**	**3049097**	50
Plug-in bridge for cross connections in the bridge shaft					
	2	Red	**FBS 2-6**	**3030336**	50
	3	Red	**FBS 3-6**	**3030242**	50
	4	Red	**FBS 4-6**	**3030255**	50
	5	Red	**FBS 5-6**	**3030349**	50
	10	Red	**FBS 10-6**	**3030271**	10
	20	Red	**FBS 20-6**	**3030365**	10
Test adapter, for 4 mm Ø PS test plug and 4 mm safety test plug, makes contact in the bridge shaft		Gray	**PAI-4**	**3030925**	10
Test plug, consisting of: metal part for 2.3 mm Ø socket hole and			**MPS-MT**	**0201744**	10
insulating sleeve for MPS metal part		Red	**MPS-IH RD**	**0201676**	10
Modular test plug, for the individual assembly of test plug strips		Red	**PS-6**	**3030996**	10
Path extension, to be used for non-insulated cable lugs		Gray	**BE-RT 3/5**	**3049819**	100
Screwdriver			**SZS 1,0X6,5**	**1205079**	10
UniCard sheet, for labeling the wing flap			**UC-TM 8 (see page 479)**		
UniCard sheet, for labeling the center groove			**UC-TM 12 (see page 481)**		
Zack markers, for labeling the wing flap			**ZB 8 (see page 489)**		
Zack markers, for labeling the center groove			**ZB 12 (see page 490)**		





RT 5-PE

Width	Length	Height NS 35/7,5	
16.3	**66**	**51**	
		Max. Ø [mm²]	AWG
		0.1 - 6	**26 - 10**
IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	-
6	-	-	-
26 - 10	-	-	-
0.5 - 6			
5 / 5.3 / 10			
1 - 6			
5 / 5.3 / 10			
Red - 1.00 mm²			
Blue - 2.50 mm²			
Yellow - 6.00 mm²			
M5			
2.5 - 3			
PA			
V0			

Type	Order No.	Pcs. / Pkt.
RT 5-PE	**3049424**	50
D-RT 3/5	**3049097**	50
FBS 2-8	**3030284**	10
FBS 3-8	**3030297**	10
FBS 4-8	**3030307**	10
FBS 5-8	**3030310**	10
FBS 10-8	**3030323**	10
PAI-4	**3030925**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-8	**3031005**	10
BE-RT 3/5	**3049819**	100
SZS 1,0X6,5	**1205079**	10
UC-TM 12 (see page 481)		
UC-TM 16 (see page 481)		
ZB 12 (see page 490)		
ZB 16 (see page 491)		

Feed-through and disconnect terminal blocks RTO ...

The open bolt connection terminal blocks for cable lugs up to 35 mm² in accordance with DIN 46234 and DIN 46237 are distinguished by their many advantages in technical applications:

– Four bridge shafts per terminal block
– Simple bridging and potential distribution using the patented plug-in bridges of the CLIPLINE complete system
– Testing with the standardized test adapters and test plugs of the CLIPLINE complete system
– Terminal point always freely accessible
– A normal hexagon Allen wrench can be used for the clamping nuts. Phoenix Contact offers corresponding tools to make wiring easy
– The screws are secured against loosening by "concealed" captive spring-loaded spacers

For the RTO 5-T disconnect terminal block, the particular switching state is clearly indicated by the orange disconnect slide screw.

The use of the switching lock effectively prevents unintentional switching.

The ASD BIT SET HN is used for wiring with the electric screwdriver. It consists of an adapter to ¼" as well as a 5.5 mm, 8 mm and 13 mm nut.

The RTO...-TC variants are available with a transparent touch-protection cover.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

For further information about the ASD 21 battery-powered screwdriver, see page 646.

When multi-position PS-... test plugs are used mounted in rows, one DP PS-... spacer plate with the same pitch must be used alternately to achieve the terminal width, see page 334.

More plug-in bridges can be found on page 330.



RTO 3 ...

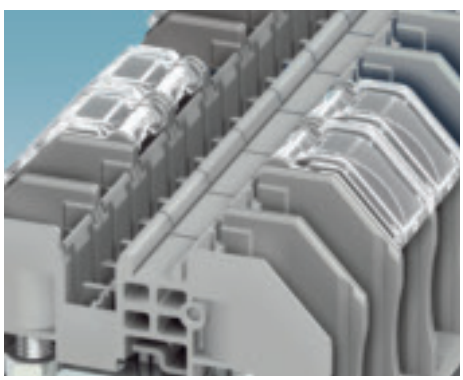
Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**12.3**	**66**	**49.9**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		24	**1000**	**0.1 - 2.5**	**26 - 14**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	1000	600	-	-
Nominal current / cross-section	[A] / [mm²]	24 / 2.5	30 / -	- / -	-
Rated cross-section	[mm²]	2.5	-	-	-
Cross-section range	AWG	26 - 14	-	-	-
Connection capacity, bolt connection					
Connection capacity, DIN 46234					
Cable lugs, DIN 46234	[mm²]	0.5 - 2.5			
Connection bolt / hole diameter / width	[mm]	3 / 3.2 / 6			
Connection capacity, DIN 46237					
Cable lugs DIN 46237	[mm²]	1 - 2.5			
Connection bolt / hole diameter / width	[mm]	3 / 3.2 / 6			
Color code		Red - 1.00 mm²			
		Blue - 2.50 mm²			
		-			
General data					
Disconnect slide: thread / torque	- / [Nm]	- / -			
Bolt thread		M3			
Tightening torque	[Nm]	0.6 - 0.8			
Insulating material		PA			
Inflammability class acc. to UL 94		V0			

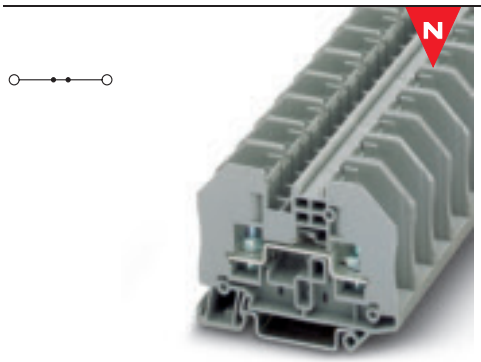
Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Bolt connection terminal, for mounting on NS 35...		Gray	**RTO 3**		**3049518**	50
		Blue	**RTO 3 BU**		**3049660**	50
With transparent shock-protection hood		Gray	**RTO 3-TC**		**3049945**	50
		Blue	**RTO 3-TC BU**		**3049835**	50
Test disconnect terminal block, for mounting on NS 35		Gray				
With transparent shock-protection hood		Gray				

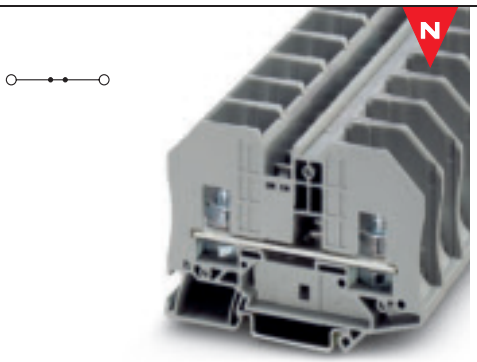
Accessories

Cover, width 2.2 mm		Gray	**D-RT 3/5**		**3049097**	50
Plug-in bridge for cross connections in the bridge shaft						
	2	Red	**FBS 2-6**	32 A	**3030336**	50
	5	Red	**FBS 5-6**	32 A	**3030349**	50
	10	Red	**FBS 10-6**	32 A	**3030271**	10
	20	Red	**FBS 20-6**	32 A	**3030365**	10
Switching lock, prevents unintentional operation of the disconnect slide		White				
Test adapter, for 4 mm Ø PS test plug and 4 mm safety test plug, makes contact in the bridge shaft		Gray	**PAI-4**		**3030925**	10
Modular test plug, for the individual assembly of test plug strips		Red	**PS-6**		**3030996**	10
Path extension, to be used for non-insulated cable lugs		Gray	**BE-RT 3/5**		**3049819**	100
Allen wrench		Black	**SHN 5.5**		**1209855**	10
Torque battery-powered screwdriver, adjustable from 0.3 - 4.4 Nm, accuracy +/- 5%, incl. power pack 1.2 Ah			**ASD 21**		**1208526**	1
Battery-operated screwdriver bit set, 1 attachment set each in 5.5 mm, 8 mm, 13 mm, adapter to ¼"			**ASD BIT SET HN**		**1209952**	1
UniCard sheet, for labeling the center groove			**UC-TM 12 (see page 481)**			
Zack markers, for labeling the center groove			**ZB 12 (see page 490)**			

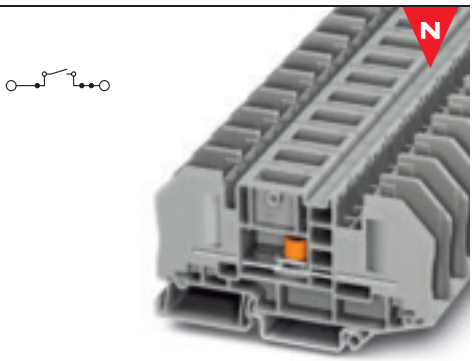




RTO 5 ...



RTO 8 ...



RTO 5-T ...

Width	Length	Height NS 35/7,5	
16.3	**66**	**49.9**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
41	**1000**	**0.1 - 6**	**26 - 10**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
1000	600	-	-
41 / 6	30 / -	- / -	-
6	-	-	-
26 - 10	-	-	-
0.5 - 6			
5 / 5.3 / 10			
1 - 6			
5 / 5.3 / 10			
Red - 1.00 mm²			
Blue - 2.50 mm²			
Yellow - 6.00 mm²			
- / -			
M5			
2.5 - 3			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
RTO 5		**3049521**	50
RTO 5 BU		**3049767**	50
RTO 5-TC		**3049961**	50
RTO 5-TC BU		**3049851**	50
D-RT 3/5		**3049097**	50
FBS 2-8	41 A	**3030284**	10
FBS 5-8	41 A	**3030310**	10
FBS 10-8	41 A	**3030323**	10
PAI-4		**3030925**	10
PS-8		**3031005**	10
BE-RT 3/5		**3049819**	100
SHN 8		**1209868**	1
ASD 21		**1208526**	1
ASD BIT SET HN		**1209952**	1
UC-TM 16 (see page 481)			
ZB 16 (see page 491)			

Width	Length	Height NS 35/7,5	
20.2	**84**	**62.2**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
125	**1000**	**2.5 - 35**	**14 - 2**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
1000	600	-	-
125 / 35	115 / -	- / -	-
35	-	-	-
14 - 2	-	-	-
2.5 - 35			
8 / 8.4 / 16			
2.5 - 6			
8 / 8.4 / 14			
-			
Blue - 2.50 mm²			
Yellow - 6.00 mm²			
- / -			
M8			
4.5 - 5			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
RTO 8		**3049343**	25
RTO 8 BU		**3049864**	25
RTO 8-TC		**3050002**	50
RTO 8-TC BU		**3049929**	50
D-RT 8		**3049194**	50
FBS 2-10	57 A	**3005947**	10
BE-RT 8		**3049916**	50
SHN 13		**1209923**	10
ASD 21		**1208526**	1
ASD BIT SET HN		**1209952**	1
ZB 20 (see online catalog)			

Width	Length	Height NS 35/7,5	
16.3	**91.4**	**49.9**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
41	**1000**	**0.1 - 6**	**26 - 10**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
1000	600	-	-
41 / 6	30 / -	- / -	-
6	-	-	-
26 - 10	-	-	-
0.5 - 6			
5 / 5.3 / 10			
1 - 6			
5 / 5.3 / 10			
Red - 1.00 mm²			
Blue - 2.50 mm²			
Yellow - 6.00 mm²			
M4 / 1.5 - 1.8			
M5			
2.5 - 3			
PA			
V0			

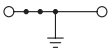
Type	I_{max}	Order No.	Pcs. / Pkt.
RTO 5-T		**3049233**	25
RTO 5-T-TC		**3049990**	50
D-RT 5-T		**3049291**	50
FBS 2-8	41 A	**3030284**	10
FBS 5-8	41 A	**3030310**	10
FBS 10-8	41 A	**3030323**	10
S-RT 5-T		**3049330**	50
PAI-4		**3030925**	10
PS-8		**3031005**	10
BE-RT 3/5		**3049819**	100
SHN 8		**1209868**	1
ASD 21		**1208526**	1
ASD BIT SET HN		**1209952**	1
UC-TM 16 (see page 481)			
ZB 16 (see page 491)			

Ground terminal blocks RTO ...-PE

Ground terminal blocks with the same shape as the RTO feed-through terminal blocks are available. A safe PE contact is established by simply snapping the terminal block onto the DIN rail.

The PE terminal blocks fulfill all requirements of the IEC 60947-7-2 standard. These are in particular:
– Low contact resistances
– Corrosion-proof terminal points
– Green-yellow housing and
– Another labeling option

The RTO ...-PE-TC variants are available with a transparent touch-protection cover.



Current carrying capacity of DIN rails, see page 728.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

For further information about the ASD 21 battery-powered screwdriver, see page 646.

When multi-position PS-... test plugs are used mounted in rows, one DP PS-... spacer plate with the same pitch must be used alternately to achieve the terminal width, see page 334.



RTO 3-PE...

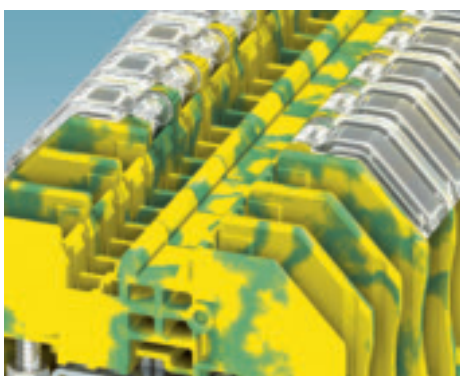
Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**12.3**	**66**	**49.9**	
Max. electrical data				Max. Ø [mm²]	AWG
				0.1 - 2.5	**26 - 14**
Rated data		IEC 60947-7-2 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	-	-	-	-
Nominal current / cross-section	[A] / [mm²]	- / -	- / -	- / -	-
Rated cross-section	[mm²]	2.5	-	-	-
Cross-section range	AWG	26 - 14	-	-	-
Connection capacity, bolt connection					
Connection capacity, DIN 46234					
Cable lugs, DIN 46234	[mm²]	0.5 - 2.5			
Connection bolt / hole diameter / width	[mm]	3 / 3.2 / 6			
Connection capacity, DIN 46237					
Cable lugs DIN 46237	[mm²]	1 - 2.5			
Connection bolt / hole diameter / width	[mm]	3 / 3.2 / 6			
Color code		Red - 1.00 mm² Blue - 2.50 mm²			
		-			
General data					
Bolt thread		M3			
Tightening torque	[Nm]	0.6 - 0.8			
Insulating material		PA			
Inflammability class acc. to UL 94		V0			

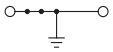
Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.
Ground terminal block, for mounting on NS 35...		Green-yellow	**RTO 3-PE**	**3049615**	50
With transparent shock-protection hood		Green-yellow	**RTO 3-PE-TC**	**3049958**	50

Accessories

Cover, width 2.2 mm		Gray	**D-RT 3/5**	**3049097**	50
Plug-in bridge for cross connections in the bridge shaft					
	2	Red	**FBS 2-6**	**3030336**	50
	3	Red	**FBS 3-6**	**3030242**	50
	4	Red	**FBS 4-6**	**3030255**	50
	5	Red	**FBS 5-6**	**3030349**	50
	10	Red	**FBS 10-6**	**3030271**	10
	20	Red	**FBS 20-6**	**3030365**	10
Test adapter, for 4 mm Ø PS test plug and 4 mm safety test plug, makes contact in the bridge shaft		Gray	**PAI-4**	**3030925**	10
Test plug, consisting of: metal part for 2.3 mm Ø socket hole and			**MPS-MT**	**0201744**	10
insulating sleeve for MPS metal part		Red	**MPS-IH RD**	**0201676**	10
Modular test plug, for the individual assembly of test plug strips		Red	**PS-6**	**3030996**	10
Path extension, to be used for non-insulated cable lugs		Gray	**BE-RT 3/5**	**3049819**	100
Allen wrench		Black	**SHN 5.5**	**1209855**	10
Torque battery-powered screwdriver, adjustable from 0.3 - 4.4 Nm, accuracy +/- 5%, incl. power pack 1.2 Ah			**ASD 21**	**1208526**	1
Battery-operated screwdriver bit set, 1 attachment set each in 5.5 mm, 8 mm, 13 mm, adapter to ¼"			**ASD BIT SET HN**	**1209952**	1
UniCard sheet, for labeling the center groove			**UC-TM 12 (see page 481)**		
Zack markers, for labeling the center groove			**ZB 12 (see page 490)**		







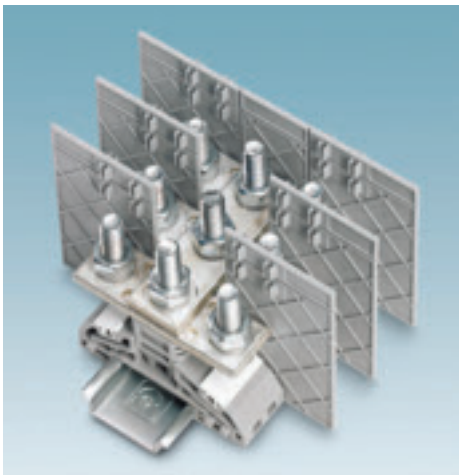
RTO 5-PE...

Width	Length	Height NS 35/7,5	
16.3	**66**	**49.9**	
		Max. Ø [mm²]	AWG
		0.1 - 6	**26 - 10**
IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	-
6	-	-	-
26 - 10	-	-	-
0.5 - 6			
5 / 5.3 / 10			
1 - 6			
5 / 5.3 / 10			
Red - 1.00 mm²			
Blue - 2.50 mm²			
Yellow - 6.00 mm²			
M5			
2.5 - 3			
PA			
V0			

Type	Order No.	Pcs. / Pkt.
RTO 5-PE	**3049628**	50
RTO 5-PE-TC	**3049974**	50
D-RT 3/5	**3049097**	50
FBS 2-8	**3030284**	10
FBS 3-8	**3030297**	10
FBS 4-8	**3030307**	10
FBS 5-8	**3030310**	10
FBS 10-8	**3030323**	10
PAI-4	**3030925**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-8	**3031005**	10
BE-RT 3/5	**3049819**	100
SHN 8	**1209868**	1
ASD 21	**1208526**	1
ASD BIT SET HN	**1209952**	1
UC-TM 16 (see page 481)		
ZB 16 (see page 491)		

High-current connector HV ...

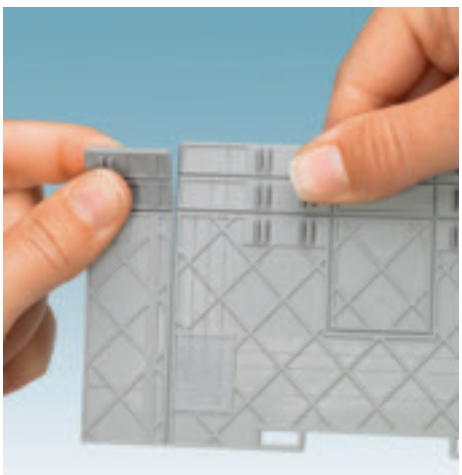




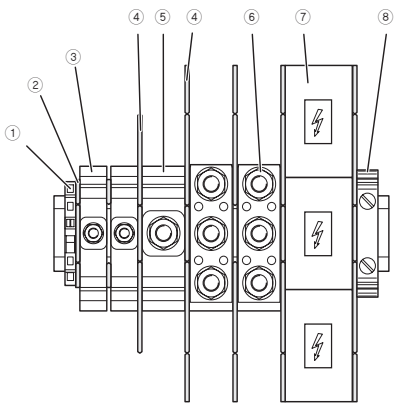
For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

The new generation of HV high-current connectors facilitates safe connection of up to four conductors with cable lugs in restricted spaces as per DIN 46234, 46235 and 46237. Spring washers are used to prevent hexagonal nuts from loosening. The extensive range of accessories ensures safe and comfortable wiring of conductors up to 120 mm².

Two and three-pos. connection rails are available for potential distribution. The feed-through window provided in the partition plates can be easily removed for mounting the connection rails.



Two partition plates are available for the range of single and double-bolt terminal blocks. As a result, height and length can be adjusted as per the corresponding bolt terminal blocks since they have been marked accordingly.



① CLIPFIX 35-5 end bracket
② HV M12/1-TP partition plate
③ HV M5/1 or HV M6/1 high-current connectors
④ HV M12/2-TP partition plate
⑤ HV M8/1, HV M10/1 or HV M12/1 high-current connectors
⑥ HV M6/2, HV M8/2 or HV M10/2 high-current connectors
⑦ HV M10/1-AP cover
⑧ E/AL-NS 35 end bracket

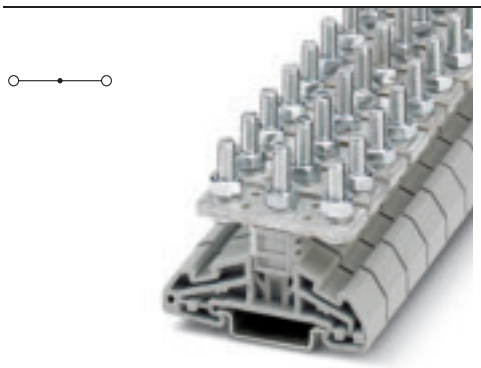
Dimensions		
		[mm]
Max. electrical data		
Rated data		
Rated voltage		[V]
Nominal current / cross-section		[A] / [mm²]
Rated cross-section		[mm²]
Cross-section range		AWG
Connection capacity, bolt connection		
Cable lugs DIN 46234		[mm²]
Cable lugs DIN 46235		[mm²]
Cable lugs DIN 46237		[mm²]
General data		
Bolt length		[mm]
Screw thread		
Tightening torque		[Nm]
Insulating material		
Inflammability class acc. to UL 94		

Ordering data

Description	No. of pos.	Color
High-current connectors, for mounting on NS 35...		Gray

Accessories

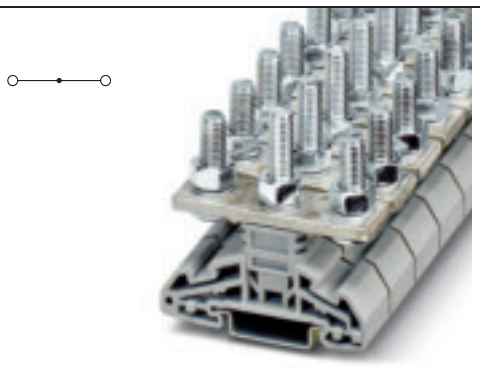
Connection rail, for cross connection of high-current connectors		
	2	Silver
	3	Silver
Reducing bridge, for connecting HV M8/1 to HV M6/1		
Reducing bridge, for connecting HV M10/1 to HV M6/1		
Partition plate		Gray
Cover		Gray
Adhesive warning plate, self-adhesive, Black print: Lightning flash with mixed version: "Vorsicht Spannung – Attention Danger" size of label: 13 x 23.5 mm		Yellow
Adhesive warning plate, self-adhesive, Black print: Lightning flash with mixed version: "Vorsicht Spannung – Attention Danger" size of label: 32 x 26 mm		Yellow
End bracket, for snapping onto NS 35, 5.15 mm wide, labeling with ZB 5, parking facility for bridges and test plugs		Gray
Aluminum end clamp, for screwing on, for end support of 50 - 240 mm² terminal blocks, can be labeled with ZB 10, for mounting on NS 35...		Silver
UniCard sheet, for labeling the lateral groove		
Zack marker strip, for labeling the lateral groove		



HV M6/2

Width	Length	Height NS 35/7,5	
16	**67**	**58**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
125	**1000**	**2.5 - 35**	**14 - 2**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
1000	-	-	-
125 / 35	- / -	- / -	- / -
35	-	-	-
14 - 2	-	-	-
2.5 - 35			
6 - 35			
2.5 - 6			
16			
M6			
3 - 6			
PA			
V0			

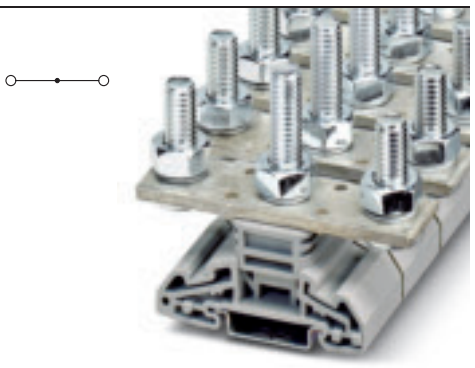
Type	I_{max}	Order No.	Pcs. / Pkt.
HV M6/2		**3049547**	25
HV M6/1-VS 2	125 A	**3049262**	10
HV M6/1-VS 3	125 A	**3049275**	10
HV M12/2-TP		**3049709**	25
HV M6/1-AP		**3049903**	25
WS-4K		**1004584**	10
CLIPFIX 35-5		**3022276**	50
UC-TM 12 (see page 481)			
ZB 12 (see page 490)			



HV M8/2

Width	Length	Height NS 35/7,5	
21	**67**	**66**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
150	**1000**	**2.5 - 50**	**14 - 1/0**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
1000	-	-	-
150 / 50	- / -	- / -	- / -
50	-	-	-
14 - 1/0	-	-	-
2.5 - 50			
6 - 35			
- 10			
21			
M8			
6 - 12			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
HV M8/2		**3049550**	25
HV M8/1-VS 2	150 A	**3049369**	10
HV M8/1-VS 3	150 A	**3049372**	10
HV M8/1 M6/1-STL2		**3071094**	10
HV M12/2-TP		**3049709**	25
HV M8/1-AP		**3049398**	25
WS-4K		**1004584**	10
E/AL-NS 35		**1201662**	10
UC-TM 12 (see page 481)			
ZB 12 (see page 490)			



HV M10/2

Width	Length	Height NS 35/7,5	
32	**67**	**76**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
269	**1000**	**6 - 120**	**10 - 250 kcmil**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
1000	-	-	-
269 / 120	- / -	- / -	- / -
120	-	-	-
10 - 250 kcmil	-	-	-
6 - 120			
10 - 95			
- 6			
26			
M10			
10 - 20			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
HV M10/2		**3049563**	10
HV M10/1-VS 2	269 A	**3049466**	10
HV M10/1-VS 3	269 A	**3049479**	10
HV M10/1 M6/1-STL		**3071081**	10
HV M12/2-TP		**3049709**	25
HV M10/1-AP		**3049495**	10
WS-4K		**1004584**	10
WS-2K		**1004513**	10
E/AL-NS 35		**1201662**	10
UC-TM 12 (see page 481)			
ZB 12 (see page 490)			

High-current connector HV ...

The bolt connection terminals for cable lugs as per DIN 46234, DIN 46235 and DIN 46237, to which up to four conductors can be connected, are available in different versions from M5 to M12 with an extensive range of accessories. They round off the range of UHV high-current connectors.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



HV M5/1



HV M6/1

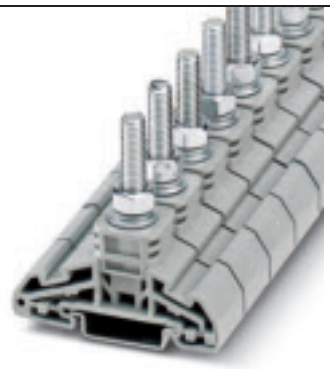
Dimensions		Width	Length	Height NS 35/7,5		Width	Length	Height NS 35/7,5	
	[mm]	**13**	**67**	**58**		**16**	**67**	**58**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG	$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		76	**1000**	**0.1 - 16**	**24 - 6**	**125**	**1000**	**2.5 - 35**	**14 - 2**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7	IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	1000	-	-	-	1000	-	-	-
Nominal current / cross-section	[A] / [mm²]	76 / 16	- / -	- / -	- / -	125 / 35	- / -	- / -	- / -
Rated cross-section	[mm²]	16	-	-	-	35	-	-	-
Cross-section range	AWG	24 - 6	-	-	-	14 - 2	-	-	-
Connection capacity, bolt connection									
Cable lugs DIN 46234	[mm²]	0.1 - 16				2.5 - 35			
Cable lugs DIN 46235	[mm²]	6 - 10				6 - 35			
Cable lugs DIN 46237	[mm²]	1 - 6				2.5 - 6			
General data									
Bolt length	[mm]	22.5				22.5			
Screw thread		M5				M6			
Tightening torque	[Nm]	2 - 4				3 - 6			
Insulating material		PA				PA			
Inflammability class acc. to UL 94		V0				V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.	Type	I_{max}	Order No.	Pcs. / Pkt.
High-current connectors, for mounting on NS 35...		Gray	**HV M5/1**		**3049107**	25	**HV M6/1**		**3049204**	25

Accessories

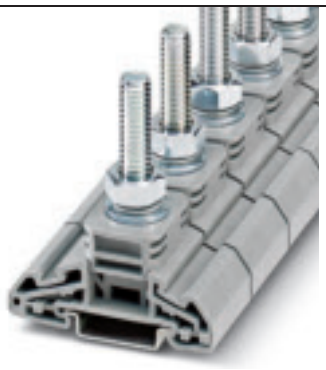
Connection rail, for cross connection of high-current connectors										
	2	Silver	**HV M5/1-VS 2**	76 A	**3049437**	10	**HV M6/1-VS 2**	125 A	**3049262**	10
	3	Silver	**HV M5/1-VS 3**	76 A	**3049440**	10	**HV M6/1-VS 3**	125 A	**3049275**	10
Reducing bridge, for connecting HV M8/1 to HV M6/1										
Reducing bridge, for connecting HV M10/1 to HV M6/1										
Separating plate		Gray	**HV M12/1-TP**		**3049602**	25	**HV M12/1-TP**		**3049602**	25
Cover		Gray	**HV M5/1-AP**		**3049806**	25	**HV M6/1-AP**		**3049903**	25
Adhesive warning plate, self-adhesive, Black print: Lightning flash with mixed version: "Vorsicht Spannung – Attention Danger" size of label: 13 x 23.5 mm		Yellow	**WS-4K**		**1004584**	10	**WS-4K**		**1004584**	10
Adhesive warning plate, self-adhesive, Black print: Lightning flash with mixed version: "Vorsicht Spannung – Attention Danger" size of label: 32 x 26 mm		Yellow								
End bracket, for snapping onto NS 35, 5.15 mm wide, labeling with ZB 5, parking facility for bridges and test plugs		Gray	**CLIPFIX 35-5**		**3022276**	50	**CLIPFIX 35-5**		**3022276**	50
Aluminum end clamp, for screwing on, for end support of 50 - 240 mm² terminal blocks, can be labeled with ZB 10, for mounting on NS 35...		Silver								
UniCard sheet, for labeling the lateral groove			**UC-TM 12 (see page 481)**				**UC-TM 12 (see page 481)**			
Zack marker strip, for labeling the lateral groove			**ZB 12 (see page 490)**				**ZB 12 (see page 490)**			



HV M8/1

Width	Length	Height NS 35/7,5	
21	**67**	**66**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
150	**1000**	**2.5 - 50**	**14 - 1/0**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
1000	-	-	-
150 / 50	- / -	- / -	- / -
50	-	-	-
14 - 1/0	-	-	-
2.5 - 50			
6 - 35			
6 - 10			
30.5			
M8			
6 - 12			
PA			
V0			

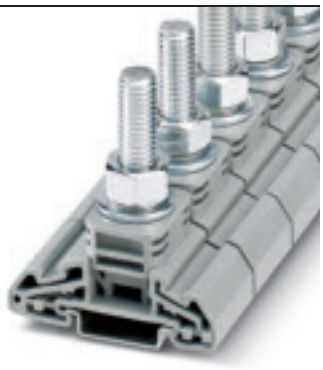
Type	I_{max}	Order No.	Pcs. / Pkt.
HV M8/1		**3049301**	25
HV M8/1-VS 2	150 A	**3049369**	10
HV M8/1-VS 3	150 A	**3049372**	10
HV M8/1 M6/1-STL2		**3071094**	10
HV M12/2-TP		**3049709**	25
HV M8/1-AP		**3049398**	25
WS-4K		**1004584**	10
CLIPFIX 35-5		**3022276**	50
UC-TM 12 (see page 481)			
ZB 12 (see page 490)			



HV M10/1

Width	Length	Height NS 35/7,5	
32	**67**	**76**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
269	**1000**	**6 - 120**	**10 - 250 kcmil**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
1000	-	-	-
269 / 120	- / -	- / -	- / -
120	-	-	-
10 - 250 kcmil	-	-	-
6 - 120			
10 - 95			
- 6			
40.5			
M10			
10 - 20			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
HV M10/1		**3049408**	10
HV M10/1-VS 2	269 A	**3049466**	10
HV M10/1-VS 3	269 A	**3049479**	10
HV M10/1 M6/1-STL		**3071081**	10
HV M12/2-TP		**3049709**	25
HV M10/1-AP		**3049495**	10
WS-4K		**1004584**	10
WS-2K		**1004513**	10
E/AL-NS 35		**1201662**	10
UC-TM 12 (see page 481)			
ZB 12 (see page 490)			



HV M12/1

Width	Length	Height NS 35/7,5	
32	**67**	**76**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
269	**1000**	**6 - 120**	**10 - 250 kcmil**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
1000	-	-	-
269 / 120	- / -	- / -	- / -
120	-	-	-
10 - 250 kcmil	-	-	-
6 - 120			
10 - 95			
-			
40.5			
M12			
14 - 31			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
HV M12/1		**3049505**	10
HV M12/1-VS 2	269 A	**3049631**	10
HV M12/1-VS 3	269 A	**3049644**	10
HV M12/2-TP		**3049709**	25
HV M10/1-AP		**3049495**	10
WS-4K		**1004584**	10
WS-2K		**1004513**	10
E/AL-NS 35		**1201662**	10
UC-TM 12 (see page 481)			
ZB 12 (see page 490)			

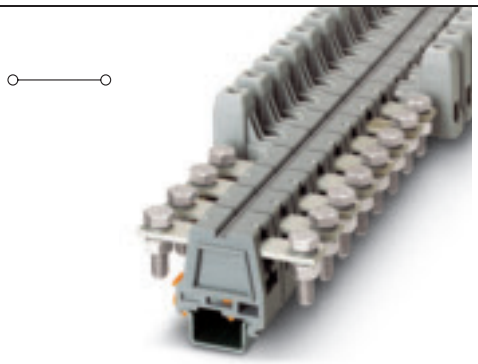
High-current connector UHV ...

The UHV high-current connectors are available in several variants, i.e. for cable lug or direct connection, as well as in combined versions. A comprehensive range of accessories, such as for example the connection rail for cross connections, guarantees reliable and convenient wiring of conductors up to 240 mm².

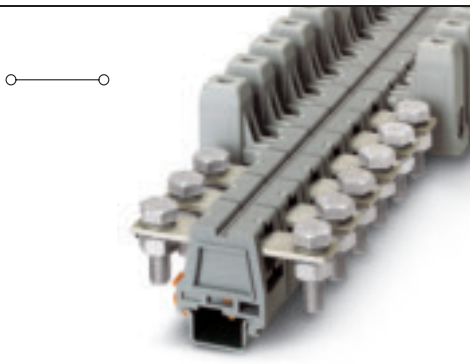
For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

In the case of UHV 240..., the BG/F flat bracket must be mounted.

[1]) See page 326.



UHV 25-...



UHV 50-...

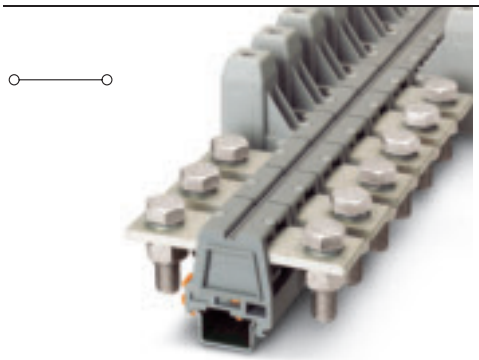
Dimensions		Width	Length	Height NS 35/15		Width	Length	Height NS 35/15	
	[mm]	**26**	**95**	**72**		**32**	**104**	**78**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG	$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		101	**1000**	**6 - 25**	**10 - 4**	**150**	**1000**	**16 - 50**	**6 - 1/0**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7	IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	1000	600	600	-	1000	600	600	-
Nominal current / cross-section	[A] / [mm²]	101 / 25	85 / -	100 / -	- / -	150 / 50	150 / -	125 / -	- / -
Rated cross-section	[mm²]	25	-	-	-	50	-	-	-
Cross-section range	AWG	10 - 4	6-4	6-4	-	6 - 1/0	6-1/0	6-1/0	-
Terminal sleeve connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	6 - 25	10 - 25	4 - 25	4 - 25	16 - 50	25 - 50	25 - 50	25 - 50
Two conductors (of the same type)	[mm²]	2.5 - 10	4 - 10	2.5 - 10	-	10 - 16	10 - 16	10 - 16	-
Connection capacity, bolt connection									
Bolt diameter	[mm]	8 mm				10 mm			
Hole diameter / power rail	[mm]	8.4 / 15 mm x 3 mm				10.5 / 20 mm x 3 mm			
Cable lugs DIN 46234	[mm²]	2.5 - 25				6 - 50			
Cable lugs DIN 46235	[mm²]	16 - 25				16 - 50			
General data									
Stripping length	[mm]	21				26			
Terminal sleeve: thread / torque	- / [Nm]	M5 / 4 - 4.5				M6 / 6 - 8			
Screw set AS: Screw thread / torque	- / [Nm]	M8 / 15 - 20				M10 / 25 - 30			
Insulating material		PA-F				PA-F			
Inflammability class acc. to UL 94		HB				HB			

Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
High-current connector, with terminal sleeve **KH** on one side, and screw set **AS** on the other side		Gray	**UHV 25-KH/AS**	**2130101**	10	**UHV 50-KH/AS**	**2130114**	10
High-current connector, screw set **AS** on both sides, for rail or cable lug connection		Gray	**UHV 25-AS/AS**	**2130004**	10	**UHV 50-AS/AS**	**2130017**	10
High-current connector, with terminal sleeves **KH** on both sides, for direct cable connection		Gray	**UHV 25-KH/KH**	**2130156**	10	**UHV 50-KH/KH**	**2130169**	10

Accessories

Rear hood, as retrofit snap-on shock protection for cable lug connection		Gray	**UHV 25-AH**	**2130431**	10	**UHV 50-AH**	**2130444**	10
Connection rail, for cross connection								
	2	Silver	**UHV 25-VS 2**	**2130541**	10	**UHV 50-VS 2**	**5030897**	10
	3	Silver	**UHV 25-VS 3**	**2130554**	10	**UHV 50-VS 3**	**2130622**	10
Partition plate, snaps on without loss of pitch between the terminal bases, 140 mm wide, 2 mm thick		Gray	**UHV -TP1**	**2130402**	10	**UHV -TP1**	**2130402**	10
Separating plate, snap-on without loss of pitch between the terminal bases, 180 mm wide		Gray						
Insertion profile, levels out the prism-shaped sleeve when using flat-ribbon conductors[1])		Silver				**UKH 50 EP**	**3009228**	10
End piece, to be fitted at both sides of the terminal strip, 7.2 mm wide		Gray	**UHV -E**	**2130428**	10	**UHV -E**	**2130428**	10
Flat bracket, for fixing DIN rails 12 mm above the base, with M6 screw, galvanized and thick layer passivated		Silver						
Screwdriver			**SZS 1,0X6,5**	**1205079**	10	**SZS 1,2X8,0**	**1205082**	10
Allen wrench, fully insulated, in accordance with EN 60900								
UniCard sheet, for labeling the center groove			**UC-TM 10 (see page 480)**			**UC-TM 10 (see page 480)**		



UHV 95-...

Width	Length	Height NS 35/15	
40	**114**	**86**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
232	**1000**	**25 - 95**	**4 - 3/0**

IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
1000	600	600	-
232 / 95	230 / -	200 / -	- / -
95	-	-	-
4 - 3/0	2-4/0	2-4/0	-

Solid	Stranded	Ferrule without / with plastic sleeve	
25 - 95	35 - 95	35 - 95	35 - 95
25 - 35	25 - 35	16 - 35	-

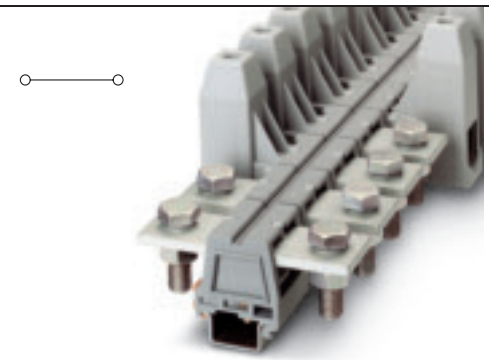
12 mm
13 / 30 mm x 5 mm
10 - 95
25 - 95

29
M8 / 15 - 20

M12 / 25 - 30

PA-F
HB

Type	Order No.	Pcs. / Pkt.
UHV 95-KH/AS	**2130127**	10
UHV 95-AS/AS	**2130020**	10
UHV 95-KH/KH	**2130172**	10
UHV 95-AH	**2130457**	10
UHV 95-VS 2	**2130635**	10
UHV 95-VS 3	**2130648**	10
UHV -TP2	**2130415**	10
UKH 95 EP	**3009231**	10
UHV -E	**2130428**	10
VDE-ISS 6	**1201934**	1
UC-TM 10 (see page 480)		



UHV 150-...

Width	Length	Height NS 35/15	
46	**119**	**100**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
309	**1000**	**35 - 150**	**2 - 300 kcmil**

IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
1000	600	600	-
309 / 150	285 / -	275 / -	- / -
150	-	-	-
2 - 300 kcmil	2-300	2-300	-

Solid	Stranded	Ferrule without / with plastic sleeve	
35 - 150	50 - 150	50 - 150	50 - 150
25 - 50	35 - 50	25 - 50	-

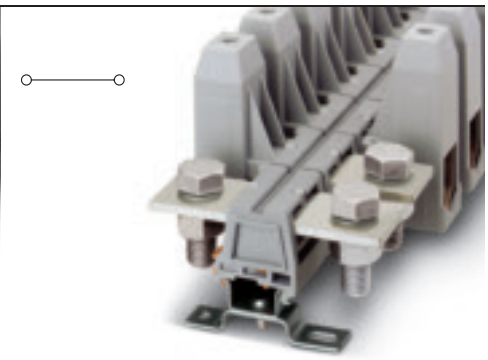
12 mm
13 / 35 mm x 5 mm
10 - 150
25 - 150

34
M10 / 25 - 30

M12 / 25 - 30

PA-F
HB

Type	Order No.	Pcs. / Pkt.
UHV150-KH/AS	**2130130**	10
UHV150-AS/AS	**2130033**	10
UHV150-KH/KH	**2130185**	10
UHV150-AH	**2130460**	10
UHV150-VS 2	**2130651**	10
UHV150-VS 3	**2130664**	10
UHV -TP2	**2130415**	10
UKH 150/240 EP	**3009244**	10
UHV -E	**2130428**	10
VDE-ISS 8	**1201947**	1
UC-TM 10 (see page 480)		



UHV 240-...

Width	Length	Height NS 35/15	
53	**126.5**	**105.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
415	**1000**	**70 - 240**	**2/0 - 500 kcmil**

IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
1000	600	600	-
415 / 240	380 / -	400 / -	- / -
240	-	-	-
2/0 - 500 kcmil	2/0-500	1/0-500	-

Solid	Stranded	Ferrule without / with plastic sleeve	
70 - 240	70 - 240	25 - 240	25 - 240
35 - 95	50 - 95	35 - 50	-

16 mm
17 / 40 mm x 5 mm
25 - 240
50 - 185

34
M10 / 25 - 30

M16 / 30 - 35

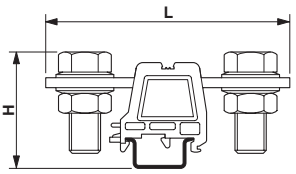
PA-F
HB

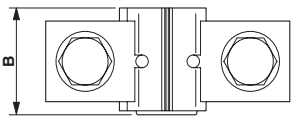
Type	Order No.	Pcs. / Pkt.
UHV240-KH/AS	**2130143**	5
UHV240-AS/AS	**2130046**	5
UHV240-KH/KH	**2130198**	5
UHV240-AH	**2130473**	10
UHV240-VS 2	**2130677**	10
UHV240-VS 3	**2130680**	10
UHV -TP2	**2130415**	10
UKH 150/240 EP	**3009244**	10
UHV -E	**2130428**	10
BG/F	**1201060**	10
VDE-ISS 8	**1201947**	1
UC-TM 10 (see page 480)		

Bolt connection terminals are optionally available in a single-bolt or double-bolt design or as a screw/bolt mixed connection. As high-current connectors, the latter are provided with a terminal sleeve connection on one side and with a screw set on the other for the connection of cable lugs. Refer to the following drawings and tables for the respective dimensions.

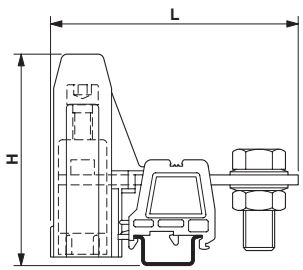
Safe cable lug connection

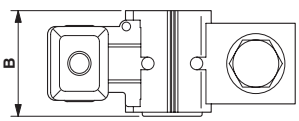
Cable lugs are clamped safely in the UHV..., HV... and RT... high-current terminal blocks using the screw set. Here, the screw locking is secured by a spring washer. Cable lugs as per DIN 46234, DIN 46235 and DIN 46237 can be connected. A two-conductor connection is also possible in which one conductor must be connected under the current bar using a cable lug and the other must be connected on the current bar. For this, see the diagram at the bottom right.



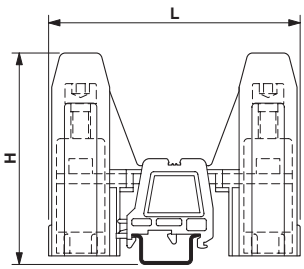


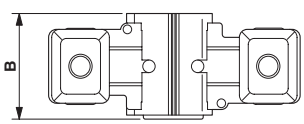
UHV...AS/AS





UHV...KH/AS





UHV...KH/KH

Bolt connection for high-current connectors
Universal high-current connectors
Dimensions in [mm] / [inch]

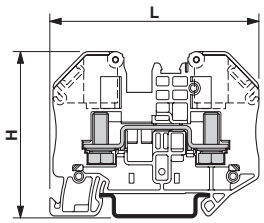
Type	H	L	W
UHV 25-AS/AS	53 / 2.087	88 / 3.456	26 / 1.024
UHV 25-KH/AS	72 / 2.835	95 / 3.74	26 / 1.024
UHV 25-KH/KH	72 / 2.835	102.5 / 4.035	26 / 1.024
UHV 50-AS/AS	54.5 / 2.146	95 / 3.74	32 / 1.26
UHV 50-KH/AS	78 / 3.071	104 / 4.094	32 / 1.26
UHV 50-KH/KH	78 / 3.071	113.5 / 4.469	32 / 1.26
UHV 95-AS/AS	56 / 2.205	110 / 4.331	40 / 1.575
UHV 95-KH/AS	86 / 3.386	114 / 4.488	40 / 1.575
UHV 95-KH/KH	86 / 3.386	118.5 / 4.665	40 / 1.575
UHV 150-AS/AS	56 / 2.205	110 / 4.331	46 / 1.811
UHV 150-KH/AS	100 / 3.937	119 / 4.685	46 / 1.811
UHV 150-KH/KH	100 / 3.937	128.5 / 5.059	46 / 1.811
UHV 240-AS/AS	58 / 2.283	125 / 4.921	53 / 2.087
UHV 240-KH/AS	105.5 / 4.154	126.5 / 4.980	53 / 2.087
UHV 240-KH/KH	105.5 / 4.154	128.5 / 5.059	53 / 2.087

CLIPLINE complete bolt connection
Ring lug terminal - RT
Dimensions in [mm] / [inch]

Type	H	L	W
RT 3	51 / 2.007	65 / 2.559	12.2 / 0.480
RT 5	51 / 2.007	65 / 2.559	16.2 / 0.637
RT 5-T	51 / 2.007	90.4 / 3.559	16.2 / 0.637
RT 8	63.8 / 2.511	84 / 3.307	20.2 / 0.795

CLIPLINE complete bolt connection
Ring lug terminal open style - RTO
Dimensions in [mm] / [inch]

Type	H	L	W
RTO 3	49.9 / 1.965	65 / 2.559	12.2 / 0.480
RTO 5	49.9 / 1.965	65 / 2.559	16.2 / 0.637
RTO 5-T	49.9 / 1.965	90.4 / 3.559	16.2 / 0.637
RTO 8	62.2 / 2.449	84 / 3.307	20.2 / 0.795



RT ... / RTO ...

Reliable flat-ribbon conductor connection

Flat-ribbon conductors can be connected safely and reliably in the UKH and UHV high-current terminal blocks using the insertion profile (UKH...EP). The insertion profile levels out the prism-shaped terminal sleeve base, thus ensuring that the flat-ribbon conductor is contacted on a large area.

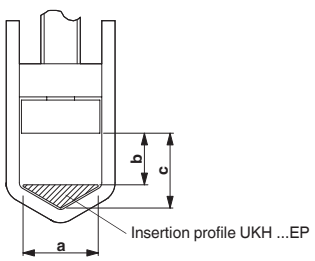
Suitability of flat-ribbon conductors for clamping

Conductor		Type	
Structure [mm]	Current [A]	UHV 50-KH/AS UHV 50-KH/KH	UHV 95-KH/AS UHV 95-KH/KH
3 x 9 x 0.8	100	X	X
6 x 9 x 0.8	160	X[1])	X
4 x 16 x 0.8	200	–	X
6 x 16 x 0.8	250	–	X[1])
10 x 16 x 0.8	400	–	X[1])
11 x 21 x 0.8	630	–	–

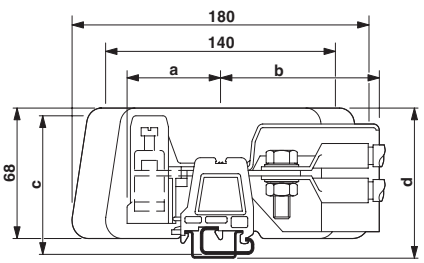
Conductor		Type	
Structure [mm]	Current [A]	UHV 150-KH/AS UHV 150-KH/KH	UHV 240-KH/AS UHV 240-KH/KH
3 x 9 x 0.8	100	–	–
6 x 9 x 0.8	160	X	–
4 x 16 x 0.8	200	X	X
6 x 16 x 0.8	250	X	X
10 x 16 x 0.8	400	X[1])	X
11 x 21 x 0.8	630	–	X[1])

[1]) Please observe the nominal current of terminal blocks.

Inner dimensions of the terminal sleeves



Type	Inner dimensions in [mm] / [inch]		
	a	b	c
UKH 25 / UHV 25-KH/...	9 / 0.354	– / –	8,5 / 0.335
UKH 50 / UHV 50-KH/...	11 / 0.433	7.5 / 0.295	12 / 4.472
UKH 95 / UHV 95-KH/...	15 / 0.591	11 / 0.433	15 / 0.591
UKH 150 / UHV 150-KH/...	19.5 / 0.768	11 / 0.433	18 / 0.709
UKH 240 / UHV 240-KH/...	24 / 0.945	19 / 0.748	26 / 1.024



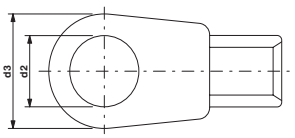
Dimensions for rear hoods and partition plates [mm] / [inch]

Type	a	b	c	d
UHV 25	51 / 2.008	82 / 3.228	70 / 2.756	63 / 2.48
UHV 50	57 / 2.244	97 / 3.819	76 / 2.992	68 / 2.677
UHV 95	59 / 2.323	112 / 4.409	84 / 3.307	75 / 2.953
UHV 150	64 / 2.52	125 / 4.921	98 / 3.858	81 / 3.189
UHV 240	64 / 2.52	143 / 5.63	103 / 4.055	87 / 3.425

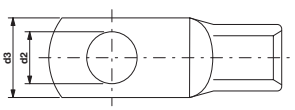
Cable lugs

	Conductor cross-section [mm²] /		DIN 46234				DIN 46235				DIN 46237			
			Hole ∅ d_2 [mm] / [inch]		Width d_3 [mm] / [inch]		Hole ∅ d_2 [mm] / [inch]		Width d_3 [mm] / [inch]		Hole ∅ d_2 [mm] / [inch]		Width d_3 [mm] / [inch]	
M 3	0.5	20	3.2	0.126	5	0.197	– / –		– / –		– / –		– / –	
	1	17	3.2	0.126	6	0.236	– / –		– / –		3.2	0.126	6	0.236
	2.5	14	3.2	0.126	6	0.236	– / –		– / –		3.2	0.126	6	0.236
M 5	0.5	20	5.3	0.208	8	0.315	– / –		– / –		– / –		– / –	
	1	17	5.3	0.208	10	0.394	– / –		– / –		5.3	0.208	10	0.394
	2.5	14	5.3	0.208	10	0.394	– / –		– / –		5.3	0.208	10	0.394
	6	10	5.3	0.208	10	0.394	5.3	0.208	8,5	0.335	5.3	0.208	10	0.394
	10	8	5.3	0.208	11	0.433	5.3	0.208	9	0.354	– / –		– / –	
	16	6	5.3	0.208	11	0.433	– / –		– / –		– / –		– / –	
	25	3	5.3	0.208	12	0.472	– / –		– / –		– / –		– / –	
M 6	1.5	16	6.4	0.252	10	0.394	– / –		– / –		– / –		– / –	
	2.5	14	6.4	0.252	11	0.433	– / –		– / –		6.5	0.256	11	0.433
	6	10	6.4	0.252	11	0.433	6.4	0.252	8,5	0.335	6.5	0.256	11	0.433
	10	8	6.4	0.252	11	0.433	6.4	0.252	9	0.354	– / –		– / –	
	16	6	6.4	0.252	11	0.433	6.4	0.252	12	0.472	– / –		– / –	
	25	3	6.4	0.252	12	0.472	6.4	0.252	14	0.551	– / –		– / –	
	35	2	6.4	0.252	16	0.63	– / –		– / –		– / –		– / –	
	50	0	6.4	0.252	18	0.709	– / –		– / –		– / –		– / –	
M 8	2.5	14	8.4	0.331	14	0.551	– / –		– / –		8.4	0.331	14	0.551
	6	10	8.4	0.331	14	0.551	– / –		– / –		8.4	0.331	14	0.551
	10	8	8.4	0.331	14	0.551	– / –		– / –		– / –		– / –	
	16	6	8.4	0.331	14	0.551	8.4	0.331	13	0.512	– / –		– / –	
	25	3	8.4	0.331	16	0.63	8.4	0.331	16	0.63	– / –		– / –	
	35	2	8.4	0.331	16	0.63	8.4	0.331	17	0.669	– / –		– / –	
	50	0	8.4	0.331	18	0.709	8.4	0.331	20	0.787	– / –		– / –	
	70	00	8.4	0.331	22	0.866	8.4	0.331	24	0.945	– / –		– / –	
	95	000	8.4	0.331	24	0.945	– / –		– / –		– / –		– / –	
	120	250 kcmil	8.4	0.331	24	0.945	– / –		– / –		– / –		– / –	
M 10	6	10	10.5	0.413	18	0.709	– / –		– / –		10.5	0.413	18	0.709
	10	8	10.5	0.413	18	0.709	– / –		– / –					
	16	6	10.5	0.413	18	0.709	10.5	0.413	17	0.669				
	25	3	10.5	0.413	18	0.709	10.5	0.413	17	0.669				
	35	2	10.5	0.413	18	0.709	10.5	0.413	19	0.748				
	50	20	10.5	0.413	18	0.709	10.5	0.413	22	0.866				
	70	00	10.5	0.413	22	0.866	10.5	0.413	24	0.945				
	95	000	10.5	0.413	24	0.945	10.5	0.413	28	1.102				
	120	250 kcmil	10.5	0.413	24	0.945	10.5	0.413	32	1.26				
	150	300 kcmil	10.5	0.413	30	1.181	10.5	0.413	34	1.339				
	185	350 kcmil	10.5	0.413	36	1.417	10.5	0.413	37	1.457				
	240	500 kcmil	10.5	0.413	38	1.496	– / –		– / –					
M 12	10	8	13	0.512	22	0.866	– / –		– / –					
	16	6	13	0.512	22	0.866	– / –		– / –					
	25	3	13	0.512	22	0.866	13	0.512	19	0.748				
	35	2	13	0.512	22	0.866	13	0.512	21	0.827				
	50	0	13	0.512	22	0.866	13	0.512	24	0.945				
	70	00	13	0.512	22	0.866	13	0.512	24	0.945				
	95	000	13	0.512	24	0.945	13	0.512	28	1.102				
	120	250 kcmil	13	0.512	24	0.945	13	0.512	32	1.26				
	150	300 kcmil	13	0.512	30	1.181	13	0.512	34	1.339				
	185	350 kcmil	13	0.512	36	1.417	13	0.512	37	1.457				
	240	500 kcmil	13	0.512	38	1.496	13	0.512	42	1.654				
M 16	25	3	17	0.669	28	1.102	– / –		– / –					
	35	2	17	0.669	28	1.102	– / –		– / –					
	50	0	17	0.669	28	1.102	17	0.669	28	1.102				
	70	00	17	0.669	28	1.102	17	0.669	30	1.181				
	95	000	17	0.669	28	1.102	17	0.669	32	1.26				
	120	250 kcmil	17	0.669	28	1.102	17	0.669	32	1.26				
	150	300 kcmil	17	0.669	30	1.181	17	0.669	34	1.339				
	185	350 kcmil	17	0.669	36	1.417	17	0.669	37	1.457				
	240	500 kcmil	17	0.669	38	1.496	17	0.669	42	1.654				

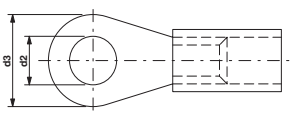
Cable lug
DIN 46234: 1980-03

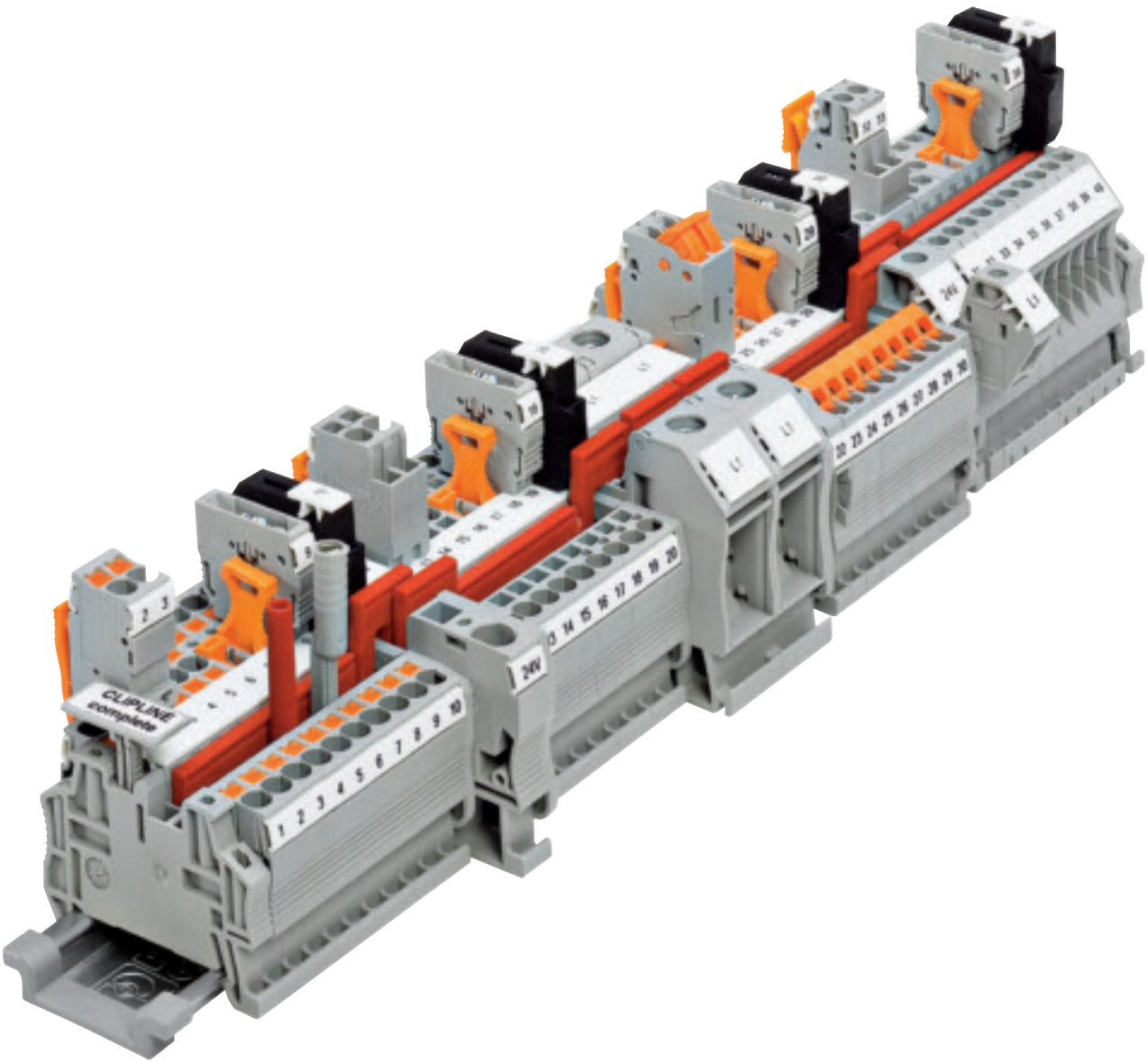


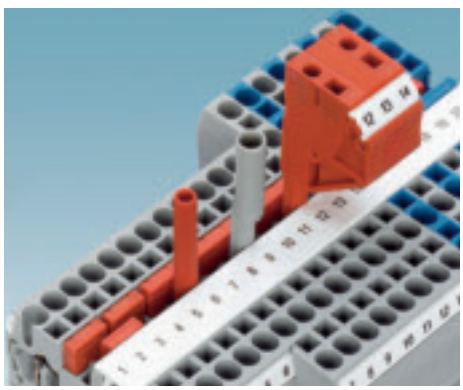
Cable lug
DIN 46235: 1980-07



Cable lug
DIN 46237

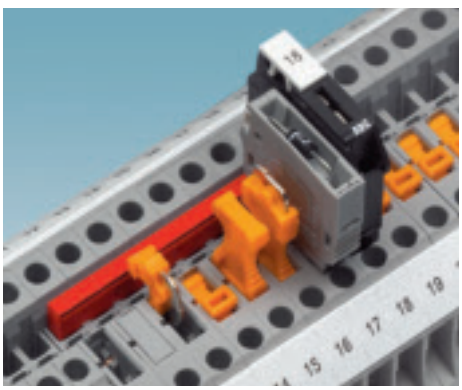






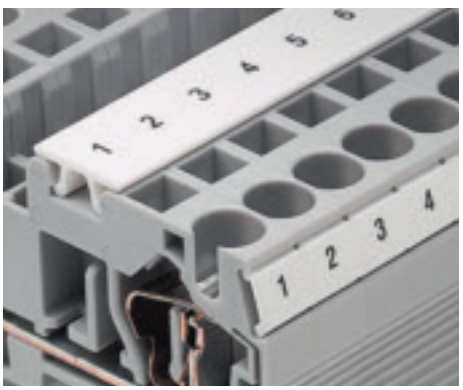
Function shaft

All modular terminal blocks in the CLIPLINE complete system have function shafts for fast and individual potential distribution with plug-in bridges and also for simple testing.



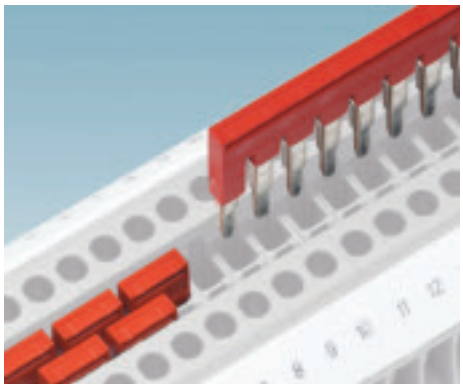
Multifunctional disconnect zone

All the disconnect terminal blocks of the CLIPLINE complete system have a standardized disconnect zone. Various function inserts are available for use in disconnect terminal blocks.

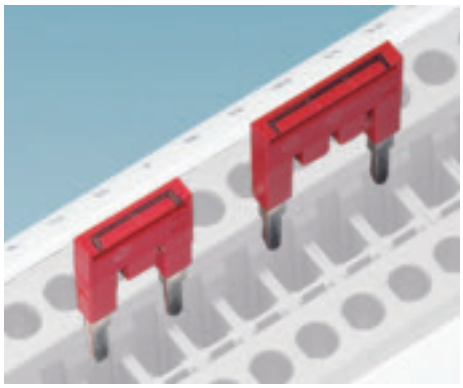


Marking

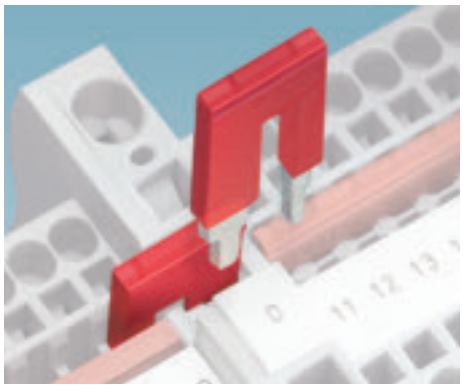
All the terminal points of the terminal blocks in the CLIPLINE complete system have generously sized labeling options. Optional large-surface snap-on marker carriers are available for group and terminal strip labeling.



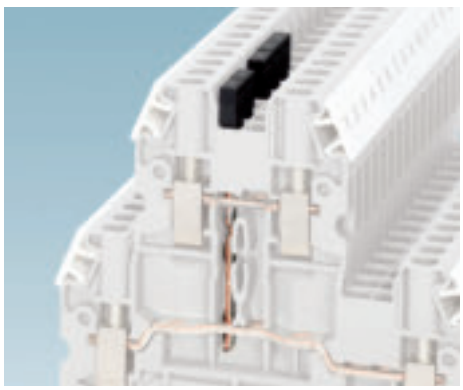
The bridge shafts are arranged in one line over all the terminal blocks, allowing the connection methods to be combined. The 2 to 50-pos. plug-in bridges make it possible to implement all the potential bridging tasks within a very short time.



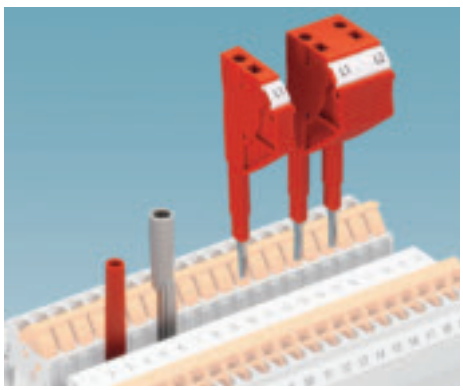
Non-adjacent terminal blocks can be bridged by breaking off individual contact tabs from the standard bridge. In this way, two potentials can be led in parallel through one terminal strip. The contact points can also be marked.



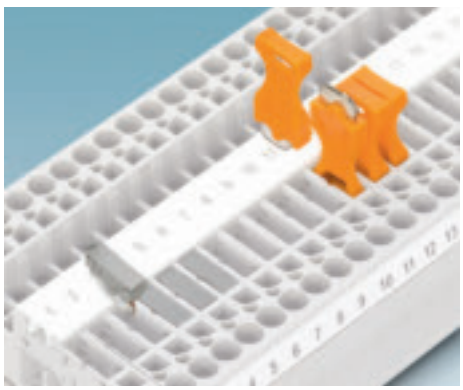
The reducing bridge permits simple connection of terminal blocks having different nominal cross-sections, e.g. a UT 10 terminal block with a UT 2,5. Power blocks can be quickly constructed with the reducing bridge.



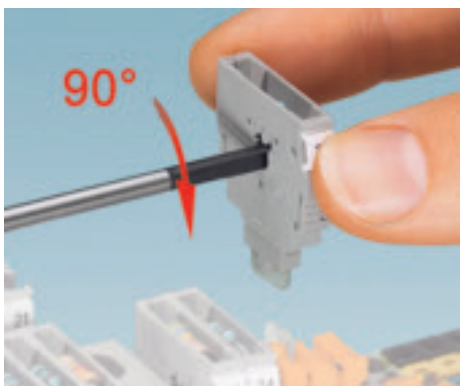
Vertical bridge to connect the upper and the lower levels of a double-level terminal block. The vertical bridge can be easily connected through the bridge shaft of the upper level down to the lower level at a later time.



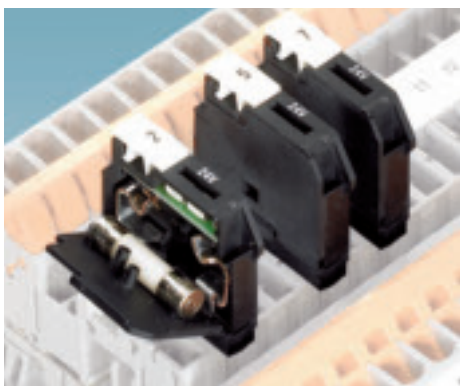
A 2.3 mm Ø test plug is available for the measuring lines and a test adapter with a 4 mm Ø for safety test plugs. Test adapters can be assembled individually using the test plugs that can be aligned.



The P-DI isolating connector can be removed to release the connection easily and then "parked" back to front in the disconnect zone. The P-FIX contact metal closes the disconnect point uniformly and can no longer be dismantled after insertion.



The patented P-CO component connector makes it possible to accommodate components quickly and safely using spring-cage contacts as well as to plug them without the risk of polarity reversal.

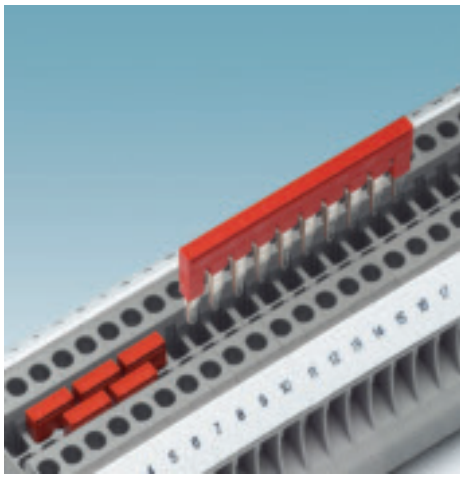


The P-FU fuse connectors are provided to accommodate cartridge fuse inserts. The LED display allows a visual check of the fuse.



End cover segments cover protruding terminal block segments of three and four-conductor terminal blocks when two-conductor terminal blocks are aligned. This ensures that they are touch proof.

Plug-in bridges FBS ...





FBS ...

To allow individual potential distribution, the terminal blocks of the CLIPLINE complete system have two bridge shafts. The 2 to 50 pos. bridges permit bridging of up to 50 terminal blocks in one step.

The last position of the bridge designation indicates the dimension of the terminal width. For example, a FBS …-4 bridge can be used with CLIPLINE complete terminal blocks with the terminal width of 4.2 mm, and a FBS …-6 bridge can be used with terminal blocks having a terminal width of 6.2 mm.

Vertical potential bridge

Potential bridge to connect the upper and the lower levels of a double-level terminal block. The vertical bridge can be then simply connected through the bridge shaft of the upper level up to the lower level. The vertical bridge FBS-PV UT can be used with the UTTB 2,5 and UTTB 4 and the FBS-PV with the STTBS 2,5, PITTB 2,5, PITTBS 2,5 and STTBS 4.

Note:

If FBS ... plug-in bridges are assembled by breaking out the contact tabs or cutting them to length, they are intended for use in shock-proof closed applications and are classified as category 2 for the pollution degree. The nominal voltage of the assembled bridges is 400 V.

Ordering data

Description	No. of pos.	Type	Order No.	Pcs. / Pkt.
Plug-in bridge for cross connections in the bridge shaft				
	2	**FBS 2-4**	**3030116**	50
	3	**FBS 3-4**	**3030129**	50
	4	**FBS 4-4**	**3030132**	50
	5	**FBS 5-4**	**3030145**	50
	10	**FBS 10-4**	**3030158**	10
	20	**FBS 20-4**	**3030352**	10
Plug-in bridge for cross connections in the bridge shaft				
	2	**FBS 2-5**	**3030161**	50
	3	**FBS 3-5**	**3030174**	50
	4	**FBS 4-5**	**3030187**	50
	5	**FBS 5-5**	**3030190**	50
	10	**FBS 10-5**	**3030213**	10
	20	**FBS 20-5**	**3030226**	10
	50	**FBS 50-5**	**3038930**	10
Plug-in bridge for cross connections in the bridge shaft				
	2	**FBS 2-6**	**3030336**	50
	3	**FBS 3-6**	**3030242**	50
	4	**FBS 4-6**	**3030255**	50
	5	**FBS 5-6**	**3030349**	50
	10	**FBS 10-6**	**3030271**	10
	20	**FBS 20-6**	**3030365**	10
	50	**FBS 50-6**	**3032224**	10
Plug-in bridge for cross connections in the bridge shaft				
	2	**FBS 2-8**	**3030284**	10
	3	**FBS 3-8**	**3030297**	10
	4	**FBS 4-8**	**3030307**	10
	5	**FBS 5-8**	**3030310**	10
	6	**FBS 6-8**	**3032470**	10
	10	**FBS 10-8**	**3030323**	10
Plug-in bridge for cross connections in the bridge shaft				
	2	**FBS 2-10**	**3005947**	10
Plug-in bridge for cross connections in the bridge shaft				
	2	**FBS 2-12**	**3005950**	10
Plug-in bridge for cross connections in the bridge shaft				
	2	**FBS 2-16**	**3005963**	10
Preassembled bridge, labeled				
3-pos., positions 1, 3	2	**FBS 1/3-8**	**3032363**	10
4-pos., positions 1, 4	2	**FBS 1/4-8**	**3032376**	10
5-pos., positions 1, 3, 5	3	**FBS 1/3/5-8**	**3032389**	10
10-pos. positions 1, 4, 7, 10	3	**FBS 1/4/7/10-8**	**3032402**	10
Vertical potential bridge, to connect the upper and lower level				
Vertical potential bridge, to connect the upper and lower level				



FBS ... BU



FBS ... GY



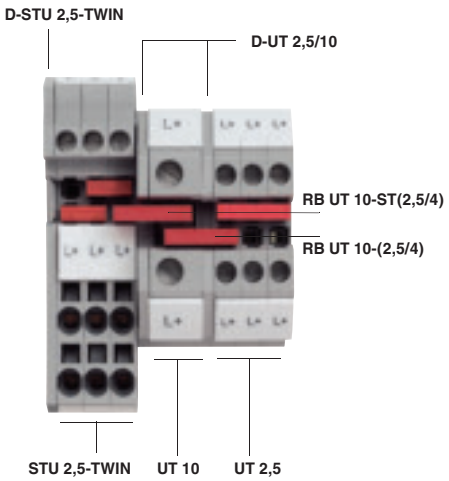
FBS-PV ...

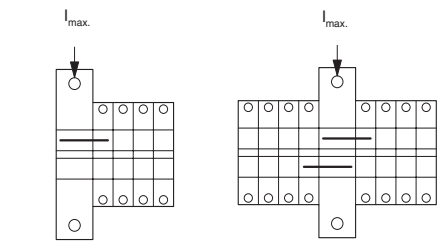
Type	Order No.	Pcs. / Pkt.
FBS 2-5 BU	3036877	50
FBS 3-5 BU	3036880	50
FBS 4-5 BU	3036893	50
FBS 5-5 BU	3036903	50
FBS 10-5 BU	3036916	10
FBS 20-5 BU	3036929	10
FBS 50-5 BU	3032114	10
FBS 2-6 BU	3036932	50
FBS 3-6 BU	3036945	50
FBS 4-6 BU	3036958	50
FBS 5-6 BU	3036961	50
FBS 10-6 BU	3032198	10
FBS 20-6 BU	3032208	10
FBS 50-6 BU	3032211	10

Type	Order No.	Pcs. / Pkt.
FBS 2-5 GY	3038969	50
FBS 3-5 GY	3038972	50
FBS 4-5 GY	3038985	50
FBS 5-5 GY	3038998	50
FBS 10-5 GY	3039007	10
FBS 20-5 GY	3038671	10
FBS 50-5 GY	3032127	10
FBS 2-6 GY	3032237	50
FBS 3-6 GY	3032240	50
FBS 4-6 GY	3032279	50
FBS 5-6 GY	3032266	50
FBS 10-6 GY	3032253	10

Type	Order No.	Pcs. / Pkt.
FBS-PV UT	3047358	50
FBS-PV	3032185	50

Example of a 10 mm² central power feed with RB UT 10 (2,5/4) reducing bridges to 2.5 mm²





Reducing bridges enable a simple connection of standard terminal blocks of the CLIPLINE complete system with different nominal cross-sections and connection methods. Power feeds with large cross-sections can be easily distributed among several smaller output terminal blocks. The connection methods and the connected cross-sections must be taken into consideration when selecting a suitable reducing bridge. The appropriate reducing bridge and the maximum permissible bridge current for a single-sided and central power feed can be determined using the adjacent table.

Reduction bridging with UT standard feed-through terminal blocks

Power feed		Pick-off		Single-sided power feed	Central power feed	Bridge
Terminal block	Cross-section [mm²]	Terminal block	Cross-section [mm²]	I_{max}	I_{max}	
UT 4	4	UT 2,5	2.5	24	24	FBS 2-5 3030161
UT 6	6	UT 2,5	2.5	40	56	RB UT 6-(2,5/4) 3047251
		UT 4	4	45	56	
		ST 2,5	2.5	40	56	RB UT 6-ST(2,5/4) 3047264
		ST 4	4	45	56	
		PIT 2,5	2.5	40	56	
		QTC 1,5	1.5	35	56	
		QTC 2,5	2.5	40	56	
UT 10	10	UT 2,5	2.5	40	65	RB UT 10-(2,5/4) 3047060
		UT 4	4	45	65	
		ST 2,5	2.5	40	65	RB UT 10-ST(2,5/4) 3047086
		ST 4	4	45	65	
		PIT 2,5	2.5	40	65	
		QTC 1,5	1.5	35	65	
		QTC 2,5	2.5	40	65	
UT 16	16	UT 2,5	2.5	40	80	RB UT 16-(2,5/4) 3047073
		UT 4	4	45	90	
		ST 2,5	2.5	40	80	RB UT 16-ST(2,5/4) 3047099
		ST 4	4	45	90	
		PIT 2,5	2.5	40	80	
		QTC 1,5	1.5	35	70	
		QTC 2,5	2.5	40	80	
UT 35	35	UT 2,5	2.5	40	80	RB UT 35-(2,5/4) 3047277
		UT 4	4	45	90	
		ST 2,5	2.5	40	80	RB UT 35-ST(2,5/4) 3047280
		ST 4	4	45	90	
		PIT 2,5	2.5	40	80	
		QTC 1,5	1.5	35	70	
		QTC 2,5	2.5	40	80	
UT 35	35	UT 16	16	90	90	RB 35-16 3032169

Reduction bridging with RT standard feed-through terminal blocks

Power feed		Pick-off		Single-sided power feed	Central power feed	Bridge
Terminal block	Cross-section [mm²]	Terminal block	Cross-section [mm²]	I_{max}	I_{max}	
RT 5	6	UT 2,5	2.5	40	56	RB UT 6-(2,5/4) 3047251
		UT 4	4	40	56	
		RT 3	2.5	40	56	
		ST 2,5	2.5	40	56	RB UT 6-ST(2,5/4) 3047264
		ST 4	4	40	56	
		PIT 2,5	2.5	40	56	
		QTC 1,5	1.5	35	56	
		QTC 2,5	2.5	40	56	
RT 8	35	RT 3	2.5	40	56	RB ST 10-(2,5/4) 3030873
		UT 2,5	2.5	40	65	
		UT 4	4	45	65	

Reduction bridging with ST standard feed-through terminal blocks

Power feed		Pick-off		Single-sided power feed	Central power feed	Bridge
Terminal block	Cross-section [mm²]	Terminal block	Cross-section [mm²]	I_{max}	I_{max}	
ST 2,5	2.5	ST 1,5	1.5	31	31	RB ST (2,5/4)-1,5 3038943
		QTC 1,5	1.5	31	31	FBS 2-5 3030161
ST 4	4	ST 1,5	1.5	35	40	RB ST (2,5/4)-1,5 3038943
		ST 2,5	2.5	40	40	FBS 2-5 3030161
		PIT 2,5	2.5	40	40	
		QTC 1,5	1.5	35	40	
		QTC 2,5	2.5	40	40	FBS 2-6 3030336
ST 6	6	ST 2,5	2.5	40	56	RB ST 6-(2,5/4) 3030860
		ST 4	4	45	56	
		PIT 2,5	2.5	40	56	
		QTC 1,5	1.5	35	56	
		QTC 2,5	2.5	40	56	
ST 10	10	ST 2,5	2.5	40	65	RB ST 10-(2,5/4) 3030873
		ST 4	4	45	65	
		PIT 2,5	2.5	40	65	
		QTC 1,5	1.5	35	65	
		QTC 2,5	2.5	40	65	
ST 16	16	ST 2,5	2.5	40	80	RB ST 16-(2,5/4) 3030886
		ST 4	4	45	90	
		PIT 2,5	2.5	40	80	
		QTC 1,5	1.5	35	70	
		QTC 2,5	2.5	40	80	
ST 35	35	ST 2,5	2.5	40	80	RB ST 35-(2,5/4) 3030899
		ST 4	4	45	90	
		PIT 2,5	2.5	40	80	
		QTC 1,5	1.5	35	70	
		QTC 2,5	2.5	40	80	
ST 35	35	ST 16	16	90	90	RB 35-16 3032169
STS 4	4	STS 2,5	2.5			FBS 2-5 3030161
STS 6	6	STS 2,5 STS 4	2.5 4			RB ST 6-(2,5/4) 3030860

Reduction bridging with QT standard feed-through terminal blocks

Power feed		Pick-off		Single-sided power feed	Central power feed	Bridge
Terminal block	Cross-section [mm²]	Terminal block	Cross-section [mm²]	I_{max}	I_{max}	
QTC 2,5	2.5	QTC 1,5	1.5	31	31	FBS 2,5 3030161

Test plug MPS ...

The two-section MPS... test plugs allow individual color combinations for the connectors. They are plugged in the patented plug-in bridge shaft of the terminal blocks from the CLIPLINE complete system or in the test connections provided for it.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



MPS-...

General data	
Material	Silver-plated brass
Temperature range [°C]	-40 ... 125

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Test plug, consisting of: metal part for 2.3 mm Ø socket hole and				
		MPS-MT	**0201744**	10
Insulating sleeve for MPS metal part	White	**MPS-IH WH**	**0201663**	10
	Red	**MPS-IH RD**	**0201676**	10
	Blue	**MPS-IH BU**	**0201689**	10
	Yellow	**MPS-IH YE**	**0201692**	10
	Green	**MPS-IH GN**	**0201702**	10
	Violet	**MPS-IH VT**	**0201715**	10
	Gray	**MPS-IH GY**	**0201728**	10
	Black	**MPS-IH BK**	**0201731**	10

Modular test plugs PS-... and spacer plates DP PS-...

With the PS-... modular test plugs and the DP PS... spacers, test adapters can be assembled individually. The measuring lines are connected in the test plug with a 1.5 mm² spring-cage connection.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



PS-...



DP PS-...

Dimensions		Width	Length	Height	Width	Length	Height
	[mm]	**4.2**	**22.4**	**60**	**4.2**	**22.4**	**29**
General data							
Material		PA			PA		
Inflammability class acc. to UL 94		V0			V0		
Temperature range	[°C]	-40 ... 125			-40 ... 125		

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Individual test plug, 4.2 mm wide, can be labeled with ZBF 4							
	Red	**PS-4/E**	**3036709**	10			
Modular test plug, for the individual assembly of test plug strips							
4.2 mm wide, can be labeled with ZBF 4	Red	**PS-4**	**3030970**	10	**DP PS-4**	**3036712**	10
5.2 mm wide, can be labeled with ZBF 5	Red	**PS-5**	**3030983**	10	**DP PS-5**	**3036725**	10
6.2 mm wide, can be labeled with ZBF 6	Red	**PS-6**	**3030996**	10	**DP PS-6**	**3036738**	10
8.2 mm wide, can be labeled with ZBF 8	Red	**PS-8**	**3031005**	10	**DP PS-8**	**3036741**	10

Test adapter PAI-4

The PAI-4 test adapter enables 4 mm Ø test plugs to make safe contact in the bridge shaft. The small external diameter of the female test connector means that finger-safe protected safety connectors can also be used.



PAI-4

Dimensions		Width	Length	Height
	[mm]	**6**	**6.5**	**51**
General data				
Material		PA		
Inflammability class acc. to UL 94		V0		
Temperature range	[°C]	-40 ... 125		

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Test adapter, for 4 mm Ø PS test plug and 4 mm safety test plug, makes contact in the bridge shaft	Gray	**PAI-4**	**3030925**	10

Snap-on test adapter PAI-4-FIX...



The test adapters provided to accommodate 4 mm Ø safety test plugs contact and securely snap onto any point in the bridge shaft of the measuring transducer disconnect terminal blocks and all modular terminal blocks of the CLIPLINE complete system with a pitch of 8.2 mm.

The test adapters are available in various colors for clear allocation.

[1]) For more test plugs, see page 335.



PAI-4-FIX ...

General data	
Insulating material	PA
Inflammability class acc. to UL 94	V0

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Test adapter, for 4 mm Ø safety test plug, snapped into bridge shaft[1])	Orange	**PAI-4-FIX OG**	**3034455**	10
	Yellow	**PAI-4-FIX YE**	**3032745**	10
	Green	**PAI-4-FIX GN**	**3032758**	10
	Violet	**PAI-4-FIX VT**	**3032761**	10
	Black	**PAI-4-FIX BK**	**3032774**	10
	Blue	**PAI-4-FIX BU**	**3032729**	10
	Red	**PAI-4-FIX RD**	**3032732**	10
	Gray	**PAI-4-FIX GY**	**3032790**	10
	Brown	**PAI-4-FIX BN**	**3032787**	10

Isolating connectors P-DI and direct links P-FIX

The P-DI isolating connector can be removed to release the connection easily and then "parked" back to front in the disconnect zone.

The P-FIX contact metal closes the disconnect point uniformly and can be no longer dismantled after insertion.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) Observe max. load current.



P-DI



P-FIX

Dimensions		Width	Length	Height
	[mm]	**3.5**	**10.5**	**23.1**
Rated data				
Maximum load current	[A]	20		
General data				
Insulating material		PA		
Inflammability class acc. to UL 94		V2		

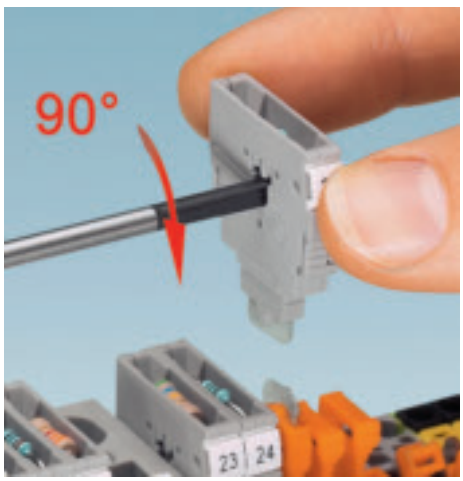
Dimensions		Width	Length	Height
	[mm]	**4**	**10.5**	**-**
Rated data				
Maximum load current	[A]	20		
General data				
Insulating material		PA		
Inflammability class acc. to UL 94		V0		

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Disconnect plugs[1])	Orange	**P-DI**	**3036783**	50
Feed-through connector[1])	Gray			

Type	Order No.	Pcs. / Pkt.
P-FIX	**3038956**	50

Component connectors P-CO ...



The patented P-CO component connector makes it possible to accommodate components through a spring-cage contact quickly and securely and also to avoid polarity reversal.

For assembly, the spring-cage connections are opened or closed inside the connector with just one turn of the standard screwdriver.

[1]) Observe max load current, depending on the power dissipation of the components. Max 0.5 W with single arrangement.

[2]) Dependent on the power dissipation of the components. Max. 1 W with single arrangement.

[3]) Integrated: diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 1.0 A



P-CO ...

Dimensions		Width	Length	Height
	[mm]	**5.2**	**24**	**22**
Rated data				
Maximum load current	[A]	6[2])		
General data				
Insulating material		PA		
Inflammability class acc. to UL 94		V0		

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Component connector, labeled with ZBF 5 or UC-TMF 5[1])	Gray	**P-CO**	**3036796**	10
Component connector, with integrated 1N 4007 diode, conducting direction from left to right, direction viewed: Open terminal side[3])	Gray	**P-CO 1N4007/R-L**	**3032457**	10
Conducting from left to right, direction viewed: Open terminal side	Gray	**P-CO 1N4007/L-R**	**3032460**	10

Fuse connectors P-FU ...

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) For max. power dissipation, see page 729.



P-FU 5X20...



P-FU 6,3X32...

Dimensions		Width	Length	Height	Width	Length	Height
	[mm]	**6.2**	**28**	**25**	**8.2**	**40**	**27**
Rated data							
Maximum load current	[A]	6.3[1])			10[1])		
General data							
Insulating material		PA			PA		
Inflammability class acc. to UL 94		V0			V0		

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Fuse connector, width 6.2 mm[1])	Black	**P-FU 5X20**	**3036806**	10			
With light indicator for 12-30 V	Black	**P-FU 5X20 LED 24**	**3036819**	10			
With light indicator for 30-60 V	Black	**P-FU 5X20 LED 60**	**3036822**	10			
With light indicator for 110-250 V	Black	**P-FU 5X20 LA 250**	**3036835**	10			
Fuse connector, width 8.2 mm	Black				**P-FU 6,3X32**	**3046498**	10
With light indicator for 12-30 V	Black				**P-FU 6,3X32 LED 24**	**3046508**	10
With light indicator for 30-60 V	Black				**P-FU 6,3X32 LED 60**	**3046511**	10
With light indicator for 110-250 V	Black				**P-FU 6,3X32 LA 250**	**3046524**	10

Accessories

Zack markers, for labeling the center groove		**ZB 5 (see page 487)**			**ZB 6 (see page 487)**		

Warning labels WS...

Warning labels and warning covers serve to cover and identify mains terminal blocks. They prevent accidental actuation of the terminal points. The warning signs snap into the screw shafts of the relevant terminal.

The 5-pos. warning signs can be separated lengthwise and crosswise.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



WS...

General data		
Material		PA
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Warning label for UT series				
5.2 mm wide	Yellow	**WS UT 2,5**	**3047923**	10
6.2 mm wide	Yellow	**WS UT 4**	**3047332**	10
8.2 mm wide	Yellow	**WS UT 6**	**3047345**	10
10.2 mm wide	Yellow	**WS UT 10**	**3047361**	10
12 mm wide	Yellow	**WS UT 16**	**3047374**	10
16 mm wide	Yellow	**WS UT 35**	**3047387**	10
Warning cover, for actuation shafts, 5-pos.				
4.2 mm wide	Yellow	**WST 1,5**	**3030958**	50
5.2 mm wide	Yellow	**WST 2,5**	**3030941**	50
6.2 mm wide	Yellow	**WST 4**	**3030954**	50
8.2 mm wide	Yellow	**WST 6**	**3030967**	10
10.2 mm wide		**WST 10/35**	**3030006**	25

Marker carriers for multi-level terminal blocks STP...



For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



STP ...

The **STP... marker carriers** help to label wired multi-level terminal blocks better. The carriers are inserted in the receptacles on the upper terminal level depending on the design.

The **STP...-ZB marker carriers** can be snapped into the central marking groove of the ST spring-cage terminal blocks, for instance, and thus double the labeling surface, see the following image.

The **CARRIER-TM 300 DIN rail adapter** can be snapped into the flat zack marker strip groove of the ST spring-cage terminal blocks and helps to accommodate ZB ... or UC-TM ... terminal block marking material. Labeling space can thus be easily increased if required, see the following image.

General data		
Material		PA
Inflammability class acc. to UL 94		V2
Temperature range	[°C]	-40 ... 100
Components		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Double marker carrier, can be snapped into the double-level terminal blocks STTB 1,5, can be labeled with UC-TM 4, ZB 4 or UC-TMF 4, ZBF 4	Gray	**STP 4-2**	**0810575**	100
Double marker carrier, can be snapped into the double-level terminal blocks STTB 2,5, PITTB 2,5 can be labeled with UC-TM 5, ZB 5 or UC-TMF 5, ZBF 5	Gray	**STP 5-2**	**0800967**	100
Three-compartment marker carrier, can be snapped into the three-level terminal block ST 2,5-3..., PIT 2,5-3... can be labeled with UC-TMF 5 or ZBF 5	Gray	**STP 5-3**	**0810562**	100
Double marker carrier, snaps into double-level fast connection terminal blocks, QTTCB ... and QTTCBS, can be labeled with ZB 5 and ZBF 5	Gray	**STP 5-2/S**	**0800970**	100
Double marker carrier, snaps into all terminal blocks with a width of 4.2 mm and a zack marker strip center groove, can be labeled with ZB 4 or ZBF 4	Gray	**STP 4-2-ZB**	**3038613**	100
Double marker carrier, snaps into all terminal blocks with a width of 5.2 mm and a zack marker strip center groove, can be labeled with ZB 5 or ZBF 5	Gray	**STP 5-2-ZB**	**3037643**	100
DIN rail adapter, 300 mm long, can be snapped into the flat zack marker strip, for accommodating ZB ... or UC-TM ...	Gray	**CARRIER-TM 300**	**0828282**	25



Terminal block group marking GBS ...

Terminal block groups are marked with marking labels that are snapped into the zack marker strip groove of the terminal blocks. The group is marked with labels or insert labels.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



GBS 5-25X12



GBS-ZB/26X6

General data		
Material	PA	PA / PC
Inflammability class acc. to UL 94	V2	V2
Temperature range [°C]	-40 ... 100	-40 ... 100
Components	Free from silicone and halogen	Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Group marker label, snaps onto terminal center for screw, spring-cage and quick connection terminal blocks, labeled with a 25 x 12 label or manually with the B-STIFT or X-PEN, in the foot part with ZB 6	Gray	**GBS 5-25X12**	**0810588**	100			
Group marker, snaps onto terminal center for screw, spring-cage and quick connection terminal blocks, can be labeled with insert strips ESL 26 x 6 or EMT (25 x 6) R, in the foot part with zack marker strip Length: 29 mm	Gray				**GBS-ZB/26X6**	**0809298**	50

Terminal block group marking AK-DST...

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

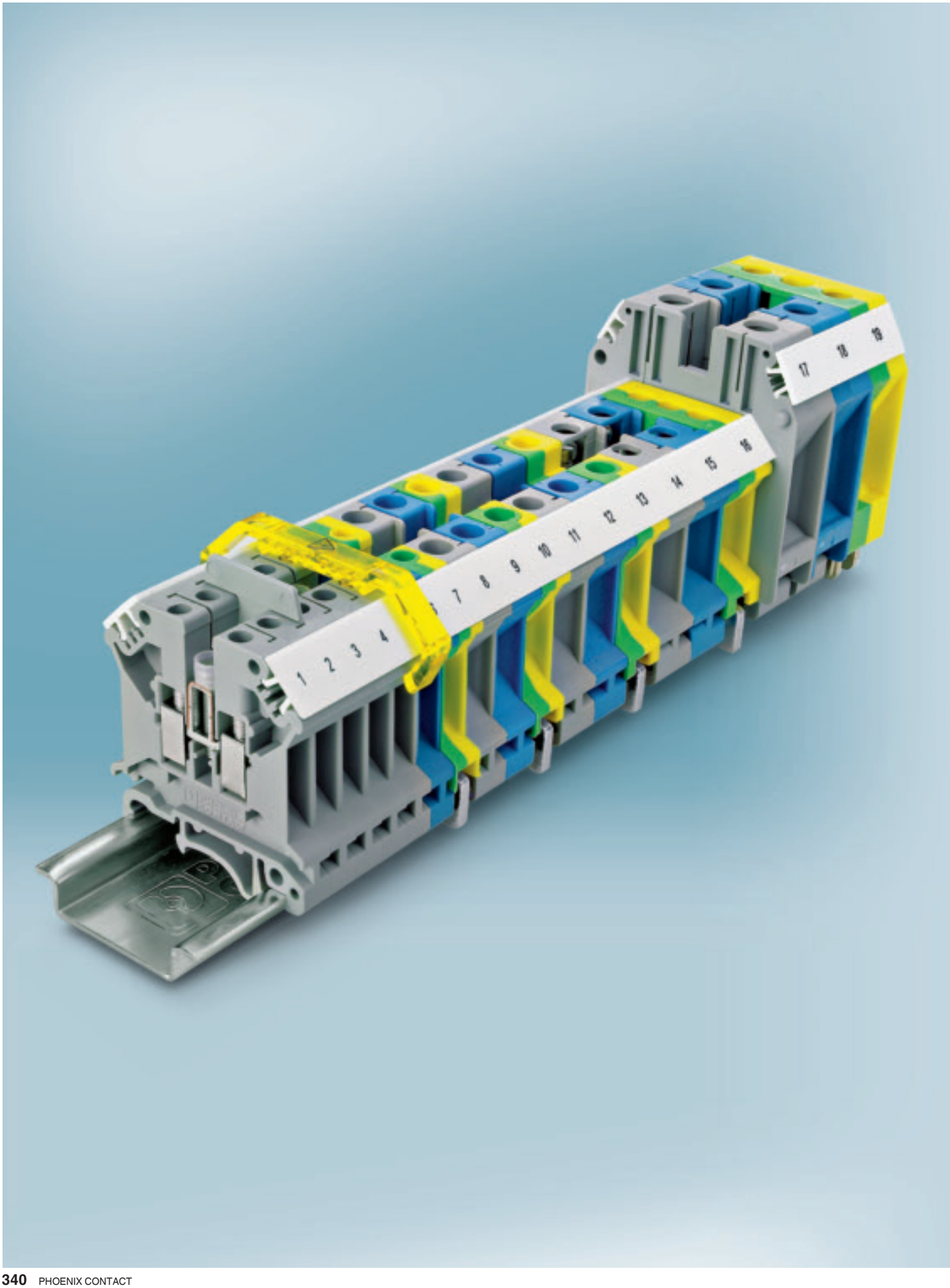


AK-DST/...

General data		
Material		PA / PC
Inflammability class acc. to UL 94		V2
Temperature range	[°C]	-40 ... 100
Components		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Group marker for marking terminal blocks with the top marker groove at an angle of 45° e. g. UK terminal blocks, snaps into the marker groove, the marker carrier can be tilted by 120° and is labeled with ESL 24 x 4 or EMT (24 x 4) R.	Transparent	**AK-DST/UK**	**1000708**	50
Group marker for marking terminal blocks with the top marker groove at an angle of 60°, e. g. DIK terminal blocks, snaps into the marker groove, the marker carrier can be tilted by 120° and is labeled with ESL 24 x 4 or EMT (24 x 4) R.	Transparent	**AK-DST/DIK**	**1000779**	50



UK modular terminal blocks

Universal modular terminal blocks with screw connection

As before, screw connections still dominate in industrial connection technology. No other connection method can achieve such high contact forces within the smallest of spaces. The tried and tested UK universal terminal block series from Phoenix Contact owes its name to the universal snap-on foot for DIN and G-profile rails and the multi-conductor connection.

The operation with a standard screwdriver is incredibly easy, both for connector screws and bridging accessories.

In addition to feed-through and ground terminal blocks, the UK series includes a wide range of function, disconnect and component terminal blocks as well as terminal blocks with special connections such as solder or slip-on connection.

Appropriate terminal block ranges are also available for the special requirements of fields such as power supply or building installation.

The UK modular terminal blocks have a wide range of accessories for all tasks relating to control and power wiring.

Moreover, the terminal blocks of the base series are certified according to the ATEX standard and can thus be used potentially explosive Ex e areas as well.

Program overview

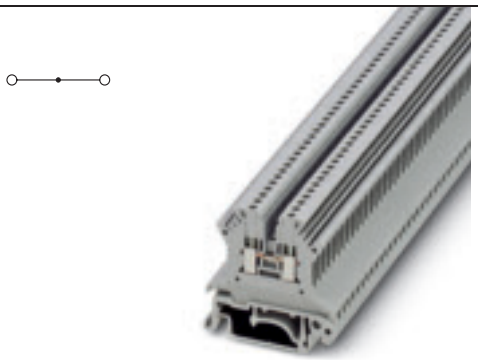
UK universal terminal blocks - Screw connection terminal blocks	**340**
Feed-through and multi-conductor terminal blocks	**342**
Multi-level terminal blocks	**356**
Fuse, disconnect and component terminal blocks, ground disconnect terminal blocks	**370**
Connectable terminal blocks, test disconnect and slide-type terminal blocks	**396**
Terminal blocks with slip-on connection	**404**
Terminal blocks with solder connection	**410**
Terminal blocks with TERMI-POINT® connection	**412**
Marshalling distributors	**414**
Installation terminal blocks	**416**
Micro and mini terminal blocks for NS 15 DIN rails	**428**
Device terminal blocks for direct mounting	**442**
Test sockets and modular test plugs	**446**

Feed-through terminal blocks UK ...

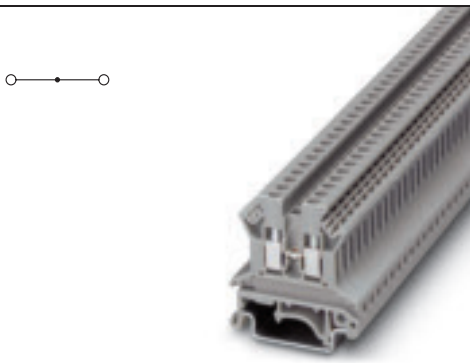
The UK universal screw terminal block series has the following typical features, which are decisive for practical applications:
– Owing to their universal foot, they can be utilized on NS 35 and NS 32 DIN rails
– Potential distribution alternatively via fixed bridges in the terminal center or insertion bridges in the clamping space

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) For information on installation for using accessories for Ex e applications, see page 720.



UK 1,5 N ...



UK 2,5 N ...

Ex: KEMA 98ATEX1651 U / IECEx KEM 06.0034U

Ex: KEMA 06ATEX0119 U / IECEx KEM 06.0034U

		UK 1,5 N ...				UK 2,5 N ...			
Dimensions		Width	Length	Height NS 35/7,5		Width	Length	Height NS 35/7,5	
	[mm]	**4.2**	**42.5**	**42**		**5.2**	**42.5**	**42**	
Dimensions		Width	Length	Height NS 32		Width	Length	Height NS 32	
	[mm]	**4.2**	**42.5**	**47**		**5.2**	**42.5**	**47**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG	$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		17.5	**500**	**0.14 - 1.5**	**26 - 16**	**24**	**800**	**0.2 - 4**	**24 - 14**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7	IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	300	-	352	800	300	300	550
Nominal current / cross-section	[A] / [mm²]	17.5 / 1.5	15 / -	- / -	17 / 1.5 // 17 / 1.5	24 / 2.5	20 / -	20 / -	22 / 2.5 // 27 / 4
Rated cross-section	[mm²]	1.5	-	-	1.5	2.5	-	-	2.5
Cross-section range	AWG	26 - 16	30-14	-	26 - 16	24 - 14	30-12	28-12	24 - 12
Connection capacity		Solid	Stranded	Ferrule		Solid	Stranded	Ferrule	
				without / with plastic sleeve				without / with plastic sleeve	
One conductor	[mm²]	0.14 - 1.5	0.14 - 1.5	0.25 - 0.75	0.25 - 0.75	0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 1
Two conductors (of the same type)	[mm²]	0.14 - 0.75	0.14 - 0.75	0.25 - 0.34	-	0.2 - 1	0.25 - 1	0.25 - 1	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 0.5				0.5 - 1.5
Max. cross-section with insertion bridge	[mm²]					2.5	2.5		
General data									
Stripping length	[mm]	7				7			
Screw thread		M2				M3			
Tightening torque	[Nm]	0.22 - 0.25				0.6 - 0.8			
Insulating material		PA				PA			
Inflammability class acc. to UL 94		V0				V2			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, with universal foot for mounting on NS 32... or NS 35...		Gray	**UK 1,5 N**		**3005837**	50	**UK 2,5 N**		**3003347**	50
		Blue	**UK 1,5 N BU**		**3005840**	50	**UK 2,5 N BU**		**3003350**	50

Accessories[1])

Cover, width 1.5 mm		Gray	**D-UK 2,5**		**3001022**	50	**D-UK 2,5**		**3001022**	50
		Blue	**D-UK 2,5 BU**		**3001103**	50	**D-UK 2,5 BU**		**3001103**	50
Cover, width 1.8 mm		Gray								
		Blue								
Fixed jumper, for cross connections in the terminal center, divisible, with 10 screws										
	10	Silver	**FBRN 10-4 N**	12 A	**3001624**	10	**FBRI 10-5 N**	24 A	**2770642**	10
Insertion bridge, long divisible fully insulated contact area for connectors with 5.0 or 5.08 mm pitch										
	2	Gray					**EBL 2- 5**	24 A	**2303145**	10
	3	Gray					**EBL 3- 5**	24 A	**2303158**	10
	10	Gray					**EBL 10- 5**	24 A	**2303132**	10
Switch bar for 2 terminal blocks, complete, to increase insulation an end cover must be interposed										
		Silver					**USBR 2-7**	18 A	**2303239**	1
Isolator bar bridge, divisible, with 10 screws, for switchable branches with **IS-K...**										
	10	Silver								
Bridge bar isolator, as distance piece for isolator bridge bar		Gray								
Separating disk, for electrical separation of neighboring bridges, can be fitted later, no loss of pitch		Gray					**TS-KK 3**		**2770215**	50
Partition plate, for visual and electrical separation of terminal groups, 1.5 mm thick		Gray	**ATP-UK**		**3003224**	50	**ATP-UK**		**3003224**	50
Test socket		Silver					**PSB 3/10/4**		**0601292**	10
Test socket, insulated, can be used only with FBI and ISSBI		Silver					**PSBJ 3/13/4**		**0201304**	10
Screwdriver			**SZS 0,4X2,5**		**1205037**	10	**SZS 0,6X3,5**		**1205053**	10
Zack marker strip, for labeling the lateral groove			**ZB 4 (see page 486)**				**ZB 5 (see page 487)**			



UK 3 N ...

KEMA 98ATEX1651 U / IECEx KEM 06.0034U

Width	Length	Height NS 35/7,5	
5.2	**42.5**	**47**	
Width	Length	Height NS 32	
5.2	**42.5**	**52**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
32	**800**	**0.2 - 4**	**24 - 12**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800	600	600	690
24 / 2.5	20 / -	20 / -	23 / 2.5 // 29 / 4
2.5	-	-	2.5
24 - 12	28-12	28-12	24 - 12
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
			0.5 - 1.5
4	2.5		
8			
M3			
0.6 - 0.8			
PA			
V2			

Type	I_{max}	Order No.	Pcs. / Pkt.
UK 3 N		**3001501**	50
UK 3 N BU		**3001514**	50
D-UK 4/10		**3003020**	50
D-UK 4/10 BU		**3003101**	50
FBRI 10-5 N	30 A	**2770642**	10
EBL 2- 5	24 A	**2303145**	10
EBL 3- 5	24 A	**2303158**	10
EBL 10- 5	24 A	**2303132**	10
TS-K		**1302215**	50
ATP-UK		**3003224**	50
PSB 3/10/4		**0601292**	10
PSBJ 3/13/4		**0201304**	10
SZS 0,6X3,5		**1205053**	10
ZB 5 (see page 487)			



UK 5 N ...

KEMA 98ATEX1651 U / IECEx KEM 06.0034U

Width	Length	Height NS 35/7,5	
6.2	**42.5**	**47**	
Width	Length	Height NS 32	
6.2	**42.5**	**52**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
41	**800**	**0.2 - 6**	**24 - 10**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800	600	600	690
32 / 4	30 / -	40 / -	32.5 / 4 // 37.5 / 6
4	-	-	4
24 - 10	30-10	28-10	24 - 10
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
			0.5 - 2.5
4	4		
8			
M3			
0.6 - 0.8			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
UK 5 N		**3004362**	50
UK 5 N BU		**3004388**	50
D-UK 4/10		**3003020**	50
D-UK 4/10 BU		**3003101**	50
FBI 10- 6	41 A	**0203250**	10
EB 2- 6	32 A	**0201155**	100
EB 3- 6	32 A	**0201142**	100
EB 10- 6	32 A	**0201139**	10
USBR 2-7	34 A	**2303239**	1
ISSBI 10- 6	30 A	**0301505**	10
IS-K 4		**1302338**	100
TS-K		**1302215**	50
ATP-UK		**3003224**	50
PSB 3/10/4		**0601292**	10
PSBJ 3/13/4		**0201304**	10
SZS 0,6X3,5		**1205053**	10
ZB 6 (see page 487)			



UK 6 N ...

KEMA 98ATEX1651 U / IECEx KEM 06.0034U

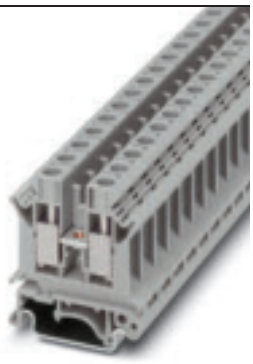
Width	Length	Height NS 35/7,5	
8.2	**42.5**	**47**	
Width	Length	Height NS 32	
8.2	**42.5**	**52**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
57	**800**	**0.2 - 10**	**24 - 8**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800	600	600	690
41 / 6	50 / -	50 / -	43.5 / 6 // 58.5 / 10
6	-	-	6
24 - 8	26-8	26-8	24 - 8
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 10	0.2 - 6	0.25 - 6	0.25 - 6
0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
			0.5 - 4
4	4		
10			
M4			
1.5 - 1.8			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
UK 6 N		**3004524**	50
UK 6 N BU		**3004977**	50
D-UK 4/10		**3003020**	50
D-UK 4/10 BU		**3003101**	50
FBI 10- 8	57 A	**0203263**	10
EB 2- 8	57 A	**0202154**	100
EB 3- 8	57 A	**0202141**	100
EB 10- 8	57 A	**0202138**	10
SB 2- 8/13 N	40 A	**0200062**	1
ISSBI 10- 8	57 A	**0301534**	10
IS-K 10		**1303337**	100
TS-K		**1302215**	50
ATP-UK		**3003224**	50
PSB 4/7/6		**0303299**	10
SZS 1,0X4,0		**1205066**	10
ZB 8 (see page 489)			

Feed-through terminal blocks UK ...

As a standard feature, all universal terminal blocks from the UK... series can also be used in the Ex e area in acc. with IEC/EN 60079. The corresponding EU type-examination certificate nos. of the Ex approval can be found in the technical connection data.

[1]) For information on installation for using accessories for Ex e applications, see page 720.



UK 10 N ...

KEMA 98ATEX1786U / IECEx KEM 06.0029U

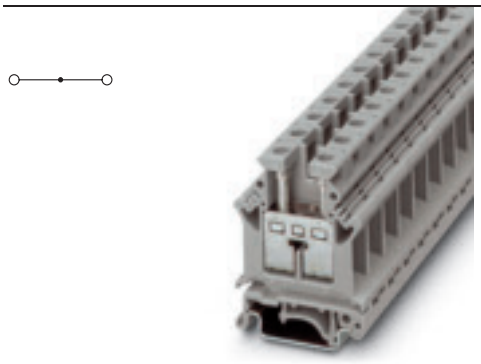
Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**10.2**	**42.5**	**47**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**10.2**	**42.5**	**52**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		76	**800**	**0.5 - 16**	**20 - 6**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	800	600	600	690
Nominal current / cross-section	[A] / [mm²]	57 / 10	65 / -	65 / -	57 / 10 // 73 / 16
Rated cross-section	[mm²]	10	-	-	10
Cross-section range	AWG	20 - 6	24-6	24-6	20 - 6
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.5 - 16	0.5 - 10	0.5 - 10	0.5 - 6
Two conductors (of the same type)	[mm²]	0.5 - 4	0.5 - 4	0.5 - 2.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 6
Max. cross-section with insertion bridge	[mm²]	10	10		
General data					
Stripping length	[mm]	10			
Screw thread		M4			
Tightening torque	[Nm]	1.5 - 1.8			
Insulating material		PA			
Inflammability class acc. to UL 94		V0			

Ordering data

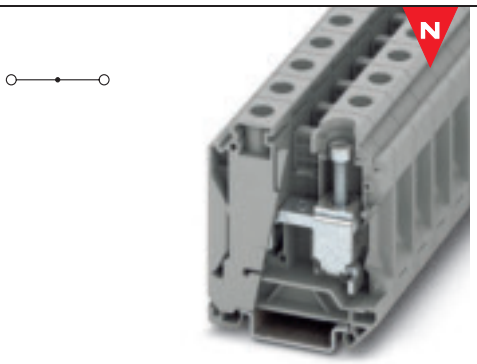
Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, with universal foot for mounting on NS 32... or NS 35...		Gray	**UK 10 N**		**3005073**	50
		Blue	**UK 10 N BU**		**3005086**	50
Terminal block, for mounting on NS 35...		Gray Blue				

Accessories[1])

Cover, width 1.8 mm		Gray	**D-UK 4/10**		**3003020**	50
		Blue	**D-UK 4/10 BU**		**3003101**	50
Cover, width 1.5 mm		Gray Blue				
Fixed jumper, for cross connections in the terminal center, divisible, with 10 screws						
	2	Silver				
	10	Silver	**FBI 10-10**	76 A	**0203276**	10
Insertion bridge, fully insulated						
	2	Gray	**EB 2-10**	70 A	**0203153**	100
	3	Gray	**EB 3-10**	70 A	**0203328**	10
	10	Gray	**EB 10-10**	70 A	**0203137**	10
Separating disk, for electrical separation of neighboring bridges, can be fitted later, no loss of pitch		Gray	**TS-K**		**1302215**	50
Partition plate, for visual and electrical separation of terminal groups, 1.5 mm thick		Gray	**ATP-UK**		**3003224**	50
Test socket, for test connection with PS test plug		Silver	**PSB 4/7/6**		**0303299**	10
Screwdriver			**SZS 1,0X4,0**		**1205066**	10
Zack marker strip, for labeling the lateral groove			**ZB 10 (see page 489)**			



UK 16 N ...



UK 35 N ...

Ex: KEMA 98ATEX1786U / IECEx KEM 06.0029U

Width	Length	Height NS 35/7,5	
12.2	**42.5**	**54**	
Width	Length	Height NS 32	
12.2	**42.5**	**59**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
101	**800**	**2.5 - 25**	**12 - 4**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800	600	600	690
76 / 16	85 / -	85 / -	74 / 16 // 91.5 / 25
16	-	-	16
12 - 4	22-4	22-4	22 - 4
Solid	Stranded	Ferrule without / with plastic sleeve	
2.5 - 25	4 - 16	1.5 - 16	1.5 - 16
1.5 - 6	1.5 - 4	1.5 - 6	-
			0.75 - 10
16	16		
11			
M4			
1.5 - 1.8			
PA			
V0			

Width	Length	Height NS 35/7,5	
16	**50**	**62**	
Width	Length	Height NS 32	
16	**50**	**-**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
125	**800**	**10 - 35**	**8 - 2**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800	-	-	-
125 / 35	- / -	- / -	-
35	-	-	-
8 - 2	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
10 - 35	10 - 35	10 - 35	10 - 35
6 - 16	6 - 10	6 - 10	-
			6 - 10
16			
M6			
3.2 - 3.7			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
UK 16 N		**3006043**	50
UK 16 N BU		**3006056**	50
D-UK 16		**3006027**	50
D-UK 16 BU		**3006108**	50
FBI 10-12	101 A	**0203454**	10
EB 10-12	70 A	**3006137**	10
TS-K		**1302215**	50
ATP-UK		**3003224**	50
PSB 4/7/6		**0303299**	10
SZS 1,0X4,0		**1205066**	10
ZB 12 (see page 490)			

Type	I_{max}	Order No.	Pcs. / Pkt.
UK 35 N		**3074130**	50
UK 35 N BU		**3058350**	50
FBI 2-15	125 A	**0201333**	10
PSB 6/5/6		**0205290**	10
SZS 1,0X6,5		**1205079**	10
ZB 16 (see page 491)			

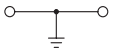
Ground terminal blocks USLKG ...

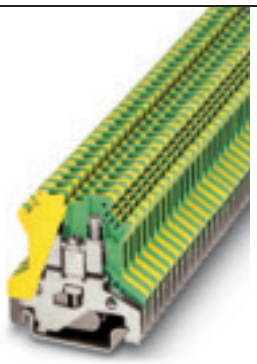
This terminal block series not only fulfills the strict requirements made of ground terminal blocks, it actually surpasses them.

Current carrying capacity of DIN rails, see page 728.

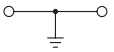
For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

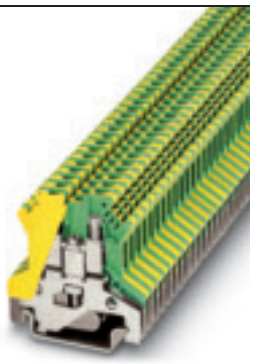
[1]) For information on installation for using accessories for Ex e applications, see page 720.





USLKG 1,5 N





USLKG 2,5 N...

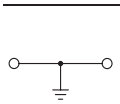
		Ex: KEMA 99ATEX4487U / IECEx KEM 06.0035U				Ex: KEMA 96ATEX4370 U / IECEx KEM 06.0035U			
Dimensions		Width	Length	Height NS 35/7,5		Width	Length	Height NS 35/7,5	
	[mm]	**4.2**	**42.5**	**42**		**5.2**	**42.5**	**42**	
Dimensions		Width	Length	Height NS 32		Width	Length	Height NS 32	
	[mm]	**4.2**	**42.5**	**47**		**5.2**	**42.5**	**47**	
Max. electrical data				Max. Ø [mm²]	AWG			Max. Ø [mm²]	AWG
				0.14 - 1.5	**26 - 16**			**0.2 - 4**	**24 - 12**
Rated data		IEC 60947-7-2 IEC	UL / CUL	CSA	IEC/ EN 60079-7	IEC 60947-7-2 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	-	-	-	-	-	-	-	-
Nominal current / cross-section	[A] / [mm²]	- / -	- / -	- / -	- / 1.5	- / -	- / -	- / -	- / 2.5
Rated cross-section	[mm²]	1.5	-	-	1.5	2.5	-	-	2.5
Cross-section range	AWG	26 - 16	30-14	-	26 - 16	24 - 12	30-12	28-12	24 - 12
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.14 - 1.5	0.14 - 1.5	0.25 - 0.75	0.25 - 0.75	0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 1.5
Two conductors (of the same type)	[mm²]	0.14 - 0.75	0.14 - 0.75	0.25 - 0.34	-	0.2 - 1	0.2 - 1	0.25 - 1.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 0.5				0.5 - 1.5
General data									
Stripping length	[mm]	7				7			
Screw thread		M2				M3			
Terminal point: thread / torque	- / [Nm]	M2 / 0.22 - 0.25				M3 / 0.6 - 0.8			
Mounting: thread / torque	- / [Nm]	M2 / 0.22 - 0.25				M2,5 / 0.5 - 0.6			
Insulating material		PA				PA			
Inflammability class acc. to UL 94		V0				V0			

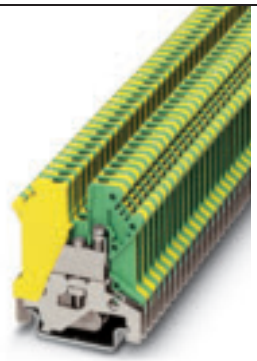
Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Ground terminal block, for mounting on NS 32... or NS 35...	Green-yellow	**USLKG 1,5 N**	**3005853**	50	**USLKG 2,5 N**	**0441119**	50
Ground terminal block, for mounting on NS 35/15-2.3	Green-yellow				**USLKG 2,5 N-1**	**0443081**	50

Accessories[1])

Screwdriver		**SZS 0,4X2,5**	**1205037**	10	**SZS 0,6X3,5**	**1205053**	10
Zack marker strip, for labeling the lateral groove		**ZB 4 (see page 486)**			**ZB 5 (see page 487)**		





USLKG 3...

Ex: KEMA

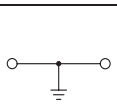
KEMA 97ATEX1622 U

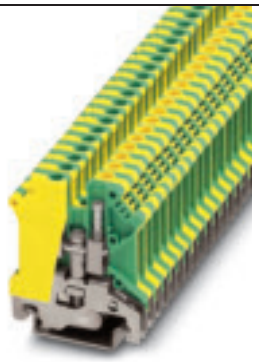
Width	Length	Height NS 35/7,5	
5.2	**42.5**	**47**	
Width	Length	Height NS 32	
5.2	**42.5**	**52**	
		Max. Ø [mm²]	AWG
		0.2 - 4	**24 - 12**

IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	- / 2.5
2.5	-	-	2.5
24 - 12	28-12	28-12	24 - 12
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 1.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	- 0.5 - 1.5

8	
M3	
M3 / 0.6 - 0.8	
M2,5 / 0.5 - 0.6	
PA	
V0	

Type	Order No.	Pcs. / Pkt.
USLKG 3	**0441083**	50
USLKG 3-1	**0441106**	50
SZS 0,6X3,5	**1205053**	10
ZB 5 (see page 487)		





USLKG 5...

Ex: KEMA

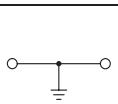
KEMA 99ATEX4487U / IECEx KEM 06.0035U

Width	Length	Height NS 35/7,5	
6.2	**42.5**	**47**	
Width	Length	Height NS 32	
6.2	**42.5**	**52**	
		Max. Ø [mm²]	AWG
		0.2 - 6	**24 - 10**

IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	- / 4
4	-	-	4
24 - 10	26-10	28-10	24 - 12
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	- 0.5 - 2.5

8	
M3	
M3 / 0.6 - 0.8	
M3 / 0.6 - 0.8	
PA	
V0	

Type	Order No.	Pcs. / Pkt.
USLKG 5	**0441504**	50
USLKG 5-1	**0441517**	50
SZS 0,6X3,5	**1205053**	10
ZB 6 (see page 487)		





USLKG 6 N...

Ex: KEMA

KEMA 96ATEX4370 U / IECEx KEM 06.0035U

Width	Length	Height NS 35/7,5	
8.2	**42.5**	**47**	
Width	Length	Height NS 32	
8.2	**42.5**	**52**	
		Max. Ø [mm²]	AWG
		0.2 - 10	**24 - 8**

IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	- / 6
6	-	-	6
24 - 8	26-8	-	24 - 8
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 10	0.2 - 6	0.25 - 6	0.25 - 6
0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	- 0.5 - 4

10	
M4	
M4 / 1.5 - 1.8	
M4 / 1.5 - 1.8	
PA	
V0	

Type	Order No.	Pcs. / Pkt.
USLKG 6 N	**0442079**	50
USLKG 6 N-1	**0444048**	50
SZS 1,0X4,0	**1205066**	10
ZB 8 (see page 489)		

Ground terminal blocks USLKG ...

This terminal block series not only fulfills the strict requirements made of ground terminal blocks, it actually surpasses them.





USLKG 10 N...

Current carrying capacity of DIN rails, see page 728.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) For information on installation for using accessories for Ex e applications, see page 720.

Ex: KEMA 99ATEX4487U / IECEx KEM 06.0035U

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**10.2**	**42.5**	**47**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**10.2**	**42.5**	**52**	
Max. electrical data		$I_{max.}$ [A]		Max. Ø [mm²]	AWG
		76		**0.5 - 16**	**20 - 6**
Rated data		IEC 60947-7-2 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	-	-	-	-
Nominal current / cross-section	[A] / [mm²]	57 / 10	- / -	- / -	- / 10
Rated cross-section	[mm²]	10	-	-	10
Cross-section range	AWG	20 - 6	24-6	24-6	20 - 6
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.5 - 16	0.5 - 10	0.5 - 10	0.5 - 6
Two conductors (of the same type)	[mm²]	0.5 - 4	0.5 - 4	0.5 - 2.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 6
General data					
Stripping length	[mm]	10			
Screw thread		M4			
Terminal point: thread / torque	- / [Nm]	M4 / 1.5 - 1.8			
Mounting: thread / torque	- / [Nm]	M4 / 1.5 - 1.8			
Insulating material		PA			
Inflammability class acc. to UL 94		V0			

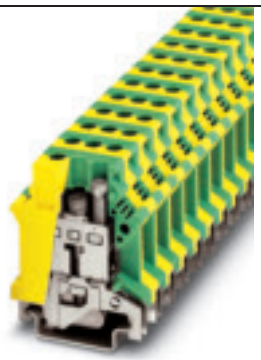
Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Ground terminal block, for mounting on NS 32... or NS 35...	Green-yellow	**USLKG10 N**	**3003923**	50
Ground terminal block, for mounting on NS 35/15-2.3	Green-yellow	**USLKG10 N-1**	**0442082**	50
Ground terminal block, for mounting on NS 35...	Green-yellow			

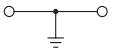
Accessories[1])

Screwdriver	**SZS 1,0X4,0**	**1205066**	10
Zack marker strip, for labeling the lateral groove	**ZB 10 (see page 489)**		





USLKG 16 N...





USLKG 35 N

Ex: KEMA

KEMA 99ATEX4487U / IECEx KEM 06.0035U

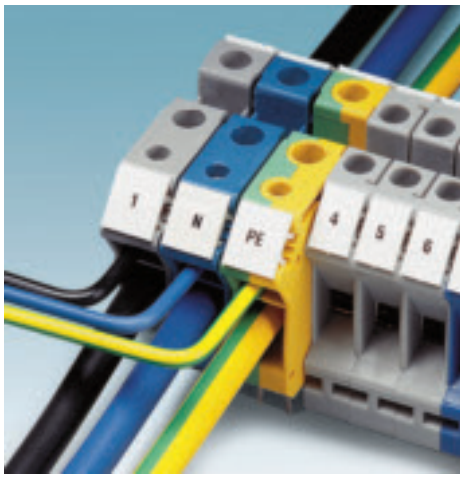
Width	Length	Height NS 35/7,5	
12.2	**42.5**	**54**	
Width	Length	Height NS 32	
12.2	**42.5**	**59**	
$I_{max.}$ [A]		Max. Ø [mm²]	AWG
101		**2.5 - 25**	**12 - 4**
IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
76 / 16	- / -	- / -	- / 16
16	-	-	16
12 - 4	22-4	22-4	22 - 4
Solid	Stranded	Ferrule without / with plastic sleeve	
2.5 - 25	4 - 16	1.5 - 16	1.5 - 16
1.5 - 6	1.5 - 4	1.5 - 6	-
			0.75 - 10
11			
M4			
M4 / 1.5 - 1.8			
M4 / 1.5 - 1.8			
PA			
V0			

Type	Order No.	Pcs. / Pkt.
USLKG 16 N	**0443023**	50
USLKG16 N-1	**0443036**	50
SZS 1,0X4,0	**1205066**	10
ZB 12 (see page 490)		

Width	Length	Height NS 35/7,5	
16	**50**	**62**	
Width	Length	Height NS 32	
16	**50**	**-**	
$I_{max.}$ [A]		Max. Ø [mm²]	AWG
125		**10 - 35**	**8 - 2**
IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
125 / 35	- / -	- / -	-
35	-	-	-
8 - 2	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
10 - 35	10 - 35	10 - 35	10 - 35
6 - 16	6 - 10	6 - 10	-
			6 - 10
16			
M6			
M6 / 3.2 - 3.7			
M5 / 2.5 - 3			
PA			
V0			

Type	Order No.	Pcs. / Pkt.
USLKG 35 N	**3074143**	50
SZS 1,0X6,5	**1205079**	10
ZB 16 (see page 491)		

Multi-conductor terminal blocks UK...-TWIN and UK 10-PLUS



For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) The max. load current must not be exceeded by the total current of all connected conductors.

[2]) Tap: 41 A / 6 mm²



UK 3-TWIN ...

Anyone who is familiar with electrical wiring knows the problems of potential branching: in other words, the necessity of connecting two or more conductors to one modular terminal block, especially in cases where conductor type and cross-section diverge considerably.

This elementary task is now solved by the twin modular terminal blocks UK…-TWIN:

– Two separate cable connection points on the control cabinet side
– Can be bridged in the terminal center, even with neighboring feed-through terminal blocks aligned in rows: UK 3-TWIN with UK 3 N, UK 5-TWIN with UK 5 N and UK 10-TWIN and UK 10-PLUS with UK 10 N

The UK 3-TWIN and UK 5-TWIN terminal blocks are the same shape but have different pitches. If UK universal terminal blocks are aligned on the open side of the UK 3-TWIN and UK 5-TWIN terminal blocks, the exposed metal part must be closed using the UK 5-TWIN cover segment, five of which are enclosed in each pack.

The UK 10-TWIN has two 10 mm² connection facilities, the UK 10-PLUS has a connection for looping a 10 mm² supply line and a 4 mm² pick-off.

In addition, UK 10-TWIN and UK 10-PLUS can be bridged at the terminal center, even with the normal UK 10 N feed-through terminal blocks. All terminal blocks are equipped with a universal foot for mounting on NS 35... or NS 32... DIN rails.

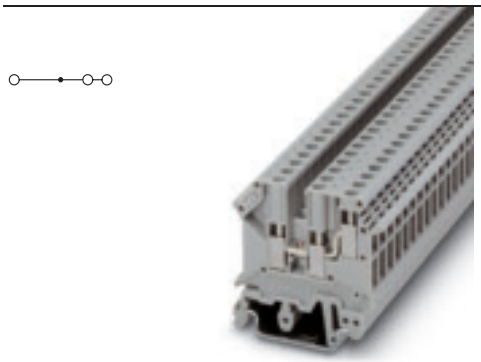
Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**50.5**	**47**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**5.2**	**50.5**	**52**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		24[1])	**400**	**0.2 - 2.5**	**24 - 14**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400	300	300	-
Nominal current / cross-section	[A] / [mm²]	24 / 2.5	10 / -	20 / -	-
Rated cross-section	[mm²]	2.5	-	-	-
Cross-section range	AWG	24 - 14	30-12	28-12	-
Connection capacity continuity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	0.25 - 1
Two conductors (of the same type)	[mm²]	0.2 - 0.5	0.2 - 0.5	0.25 - 0.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 0.75
Max. cross-section with insertion bridge	[mm²]	2.5	2.5		
Connection capacity pick-off		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	-	-	-	-
Two conductors (of the same type)	[mm²]	-	-	-	-
Two conductors with a TWIN ferrule	[mm²]				
General data					
Stripping length: Continuity / pick-off	[mm]	8 / -			
Continuity: thread / torque		M3 / 0.5 - 0.6			
Pick-off: thread / torque		- / -			
Insulating material		PA			
Inflammability class acc. to UL 94		V2			

Ordering data

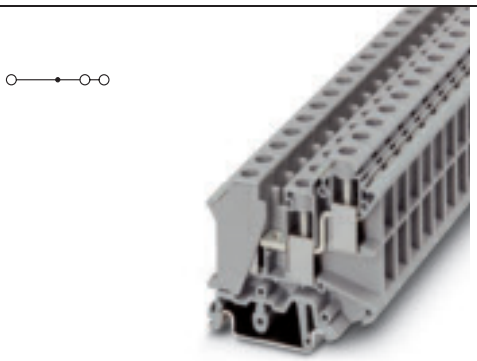
Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, with universal foot for reversible mounting on NS 32... or NS 35...		Gray	**UK 3-TWIN**		**3002225**	50
		Blue	**UK 3-TWIN BU**		**3002416**	50

Accessories

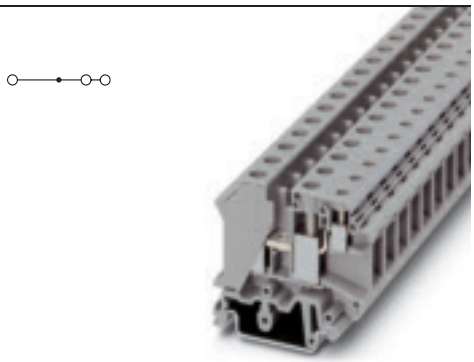
Cover, width 2 mm		Gray	**D-UK 5-TWIN**		**1923034**	50
		Blue	**D-UK 5-TWIN BU**		**1923050**	50
Fixed jumper, for cross connections in the terminal center, screw heads with insulating collar as shock protection	10	Silver	**FBRI 10-5 N**	24 A	**2770642**	10
Insertion bridge, long divisible fully insulated contact area for connectors with 5.0 or 5.08 mm pitch	2	Gray	**EBL 2- 5**	24 A	**2303145**	10
	3	Gray	**EBL 3- 5**	24 A	**2303158**	10
	10	Gray	**EBL 10- 5**	24 A	**2303132**	10
Separating disk, for electrical separation of neighboring bridges, can be fitted later, no loss of pitch		Gray	**TS-K**		**1302215**	50
Test socket		Silver	**PSB 3/10/4**		**0601292**	10
Test socket, insulated, can be used only with FBI and ISSBI		Silver	**PSBJ 3/13/4**		**0201304**	10
Screwdriver			**SZS 0,6X3,5**		**1205053**	10
Zack marker strip, 10-section			**ZB 5 (see page 487)**			



UK 5-TWIN ...



UK 10-TWIN ...



UK 10-PLUS ...

With 4 mm² pick-off

Ex:

Width	Length	Height NS 35/7,5	
6.2	**50.5**	**47**	
Width	Length	Height NS 32	
6.2	**50.5**	**52**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
32[1])	**500**	**0.2 - 4**	**24 - 12**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	300	300	-
32 / 4	30 / -	30 / -	-
4	-	-	-
24 - 12	30-10	22-10	24 - 12
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
			0.5 - 1.5
4	4		
Solid	Stranded	Ferrule without / with plastic sleeve	
-	-	-	-
-	-	-	-
8 / -			
M3 / 0.6 - 0.8			
- / -			
PA			
V2			

Width	Length	Height NS 35/7,5	
10.2	**56.5**	**59**	
Width	Length	Height NS 32	
10.2	**56.5**	**64**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
76[1])	**800**	**0.5 - 16**	**20 - 6**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800	300	600	-
57 / 10	65 / -	65 / -	-
10	-	-	-
20 - 6	24-6	24-6	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.5 - 16	0.5 - 10	0.5 - 10	0.5 - 6
0.5 - 4	0.5 - 4	0.5 - 2.5	-
			0.5 - 4
Solid	Stranded	Ferrule without / with plastic sleeve	
-	-	-	-
-	-	-	-
11 / -			
M4 / 1.5 - 1.8			
- / -			
PA			
V0			

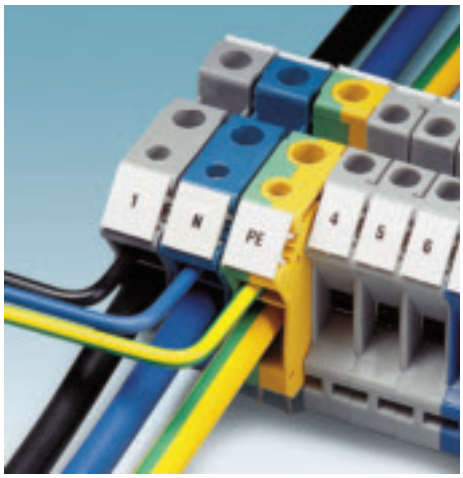
Width	Length	Height NS 35/7,5	
10.2	**53**	**47**	
Width	Length	Height NS 32	
10.2	**53**	**52**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
76[2])	**800**	**0.5 - 16**	**20 - 6**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800	600	-	-
57[1]) / 10	65 / -	- / -	-
10	-	-	-
20 - 6	24-6	-	-
IEC 60947-7-1			
Solid	Stranded	Ferrule without / with plastic sleeve	
0.5 - 16	0.5 - 10	0.5 - 10	0.5 - 6
0.5 - 4	0.5 - 4	0.5 - 2.5	-
			0.5 - 4
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 4
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
			0.5 - 1.5
11 / 7			
M4 / 1.5 - 1.8			
M3 / 0.6 - 0.8			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
UK 5-TWIN		**1923021**	50
UK 5-TWIN BU		**1923047**	50
D-UK 5-TWIN		**1923034**	50
D-UK 5-TWIN BU		**1923050**	50
FBI 10- 6	32 A	**0203250**	10
EB 2- 6	32 A	**0201155**	100
EB 3- 6	32 A	**0201142**	100
EB 10- 6	32 A	**0201139**	10
TS-K		**1302215**	50
PSB 3/10/4		**0601292**	10
PSBJ 3/13/4		**0201304**	10
SZS 0,6X3,5		**1205053**	10
ZB 6 (see page 487)			

Type	I_{max}	Order No.	Pcs. / Pkt.
UK 10-TWIN		**3005196**	50
UK 10-TWIN BU		**3005235**	50
FBI 10-10	76 A	**0203276**	10
TS-KK 3		**2770215**	50
PSB 4/7/6		**0303299**	10
PSBJ 4/15/6 RD		**0303325**	10
SZS 1,0X4,0		**1205066**	10
ZB 10 (see page 489)			

Type	I_{max}	Order No.	Pcs. / Pkt.
UK 10-PLUS		**3001381**	50
UK 10-PLUS BU		**3001475**	50
FBI 10-10	76 A	**0203276**	10
TS-KK 3		**2770215**	50
PSB 4/7/6		**0303299**	10
PSBJ 4/15/6 RD		**0303325**	10
SZS 1,0X4,0		**1205066**	10
ZB 10 (see page 489)			

Multi-conductor terminal blocks
UK...-TWIN-PE and UK 10-PLUS-PE



The green-yellow closed housing with its characteristic UK...-TWIN shape can be aligned conveniently with the UK...-TWIN series models. Through the housing cutout in the ground terminal block, the bridges LB... and ISSBI 10-6 can be connected to the neighboring UK, UK...-TWIN, and UK-PLUS variants with a bridging facility.

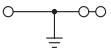
The universal grounding foot allows the terminal block to be mounted on both commercially available EN DIN rails (with the exception of NS 35/15-2.3).

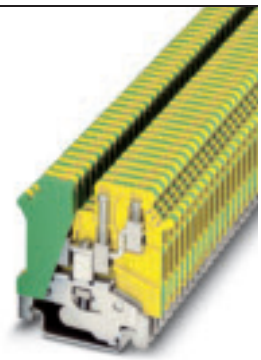
Current carrying capacity of DIN rails, see page 728.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) The max. load current must not be exceeded by the total current of all connected conductors.

[2]) Tap: 41 A / 6 mm²





UK 3-TWIN-PE

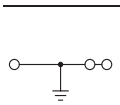
Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**50.5**	**47**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**5.2**	**50.5**	**52**	
Max. electrical data				Max. Ø [mm²]	AWG
				0.2 - 2.5	**24 - 14**
Rated data		IEC 60947-7-2 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	-	-	-	-
Nominal current / cross-section	[A] / [mm²]	- / -	- / -	- / -	-
Rated cross-section	[mm²]	2.5	-	-	-
Cross-section range	AWG	24 - 14	30-12	-	-
Connection capacity continuity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	0.25 - 1
Two conductors (of the same type)	[mm²]	0.2 - 0.5	0.2 - 0.5	0.25 - 0.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 0.75
Connection capacity pick-off		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	-	-	-	-
Two conductors (of the same type)	[mm²]	-	-	-	-
Two conductors with a TWIN ferrule	[mm²]				
General data					
Stripping length: Continuity / pick-off	[mm]	8 / -			
Continuity: thread / torque		M3 / 0.5 - 0.6			
Pick-off: thread / torque		- / -			
Insulating material		PA			
Inflammability class acc. to UL 94		V2			

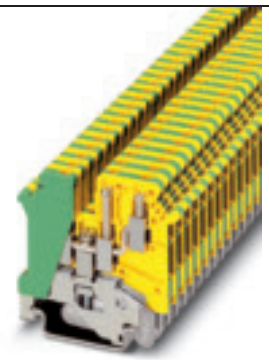
Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Ground terminal block, for mounting on NS 32... or NS 35...	Green-yellow	**UK 3-TWIN-PE**	**1923128**	50

Accessories

Screwdriver	**SZS 0,6X3,5**	**1205053**	10
Zack marker strip, for labeling the lateral groove	**ZB 5 (see page 487)**		

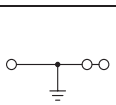


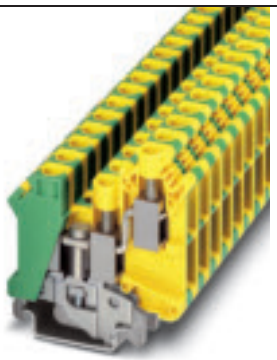


UK 5-TWIN-PE

Width	Length	Height NS 35/7,5	
6.2	**50.5**	**47**	
Width	Length	Height NS 32	
6.2	**50.5**	**52**	
		Max. Ø [mm²]	AWG
		0.2 - 4	**24 - 12**
IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	-
4	-	-	-
24 - 12	30-10	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
			0.5 - 1.5
Solid	Stranded	Ferrule without / with plastic sleeve	
-	-	-	-
-	-	-	-
8 / -			
M3 / 0.6 - 0.8			
- / -			
PA			
V2			

Type	Order No.	Pcs. / Pkt.
UK 5-TWIN-PE	**1923076**	50
SZS 0,6X3,5	**1205053**	10
ZB 6 (see page 487)		

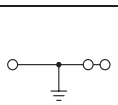


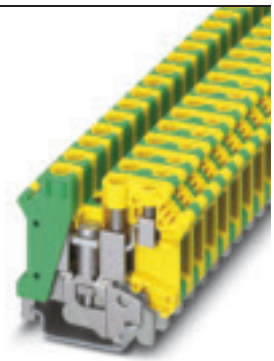


UK 10-TWIN-PE

Width	Length	Height NS 35/7,5	
10.2	**56.5**	**59**	
Width	Length	Height NS 32	
10.2	**56.5**	**64**	
$I_{max.}$ [A]		Max. Ø [mm²]	AWG
76[1])		**0.5 - 16**	**20 - 6**
IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
57 / 10	- / -	- / -	-
10	-	-	-
20 - 6	24-6	24-6	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.5 - 16	0.5 - 10	0.5 - 10	0.5 - 6
0.5 - 4	0.5 - 4	0.5 - 2.5	-
			0.5 - 4
Solid	Stranded	Ferrule without / with plastic sleeve	
-	-	-	-
-	-	-	-
11 / -			
M4 / 1.5 - 1.8			
- / -			
PA			
V0			

Type	Order No.	Pcs. / Pkt.
UK 10-TWIN-PE	**3001433**	50
SZS 1,0X4,0	**1205066**	10
ZB 10 (see page 489)		





UK 10-PLUS-PE

With 4 mm² pick-off

Width	Length	Height NS 35/7,5	
10.2	**53**	**47**	
Width	Length	Height NS 32	
10.2	**53**	**52**	
$I_{max.}$ [A]		Max. Ø [mm²]	AWG
76[2])		**0.5 - 16**	**20 - 6**
IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
57[1]) / 10	- / -	- / -	-
10	-	-	-
20 - 6	24-6	-	-
IEC 60947-7-2			
Solid	Stranded	Ferrule without / with plastic sleeve	
0.5 - 16	0.5 - 10	0.5 - 10	0.5 - 6
0.5 - 4	0.5 - 4	0.5 - 6	-
			0.5 - 6
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 4
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
			0.5 - 1.5
11 / 7			
M4 / 1.5 - 1.8			
M3 / 0.6 - 0.8			
PA			
V0			

Type	Order No.	Pcs. / Pkt.
UK 10-PLUS-PE	**3001420**	50
SZS 1,0X4,0	**1205066**	10
ZB 10 (see page 489)		

Multi-conductor terminal blocks UDK ...

In practice, several connections often have to be led onto one terminal block as a result of potential distribution or conductor loops.

The UDK double terminal block family solves this problem elegantly, as two connection points are available to accommodate several conductors on each module.

The particular features of the 5 mm wide UDK 3 and UDK 4 terminal blocks of the same shape include:

– Potential branching using 2 terminal points on each connection side
– Two bridging points in the terminal center through which two potentials in the bridge shafts can be supplied to the whole terminal strip.

Ground terminal block UDK ...-PE

The green-yellow closed housing with its characteristic UDK shape can be conveniently aligned with all types of the UDK family. The ISSBI 10-6 bridge can be connected with neighboring UDK 4 variants with bridging facilities through the cutouts in the ground terminal block housing.

The universal grounding foot allows the terminal block to be mounted on both commercially available EN DIN rails (with the exception of NS 35/15-2.3).

Current carrying capacity of DIN rails, see page 728.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) The max. load current must not be exceeded by the total current of all connected conductors.



UDK 3 ...

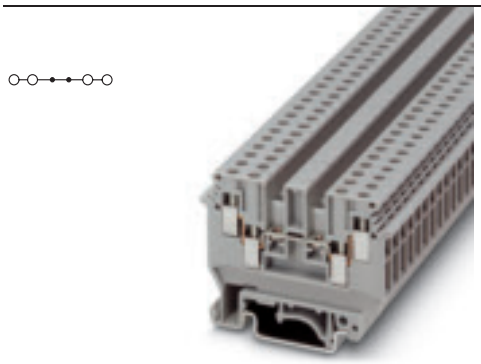
Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**63.5**	**47**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**5.2**	**63.5**	**52.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		32[1])	**500**	**0.2 - 4**	**24 - 12**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	300	300	-
Nominal current / cross-section	[A] / [mm²]	24 / 2.5	20 / -	20 / -	-
Rated cross-section	[mm²]	2.5	-	-	-
Cross-section range	AWG	24 - 12	30-12	28-12	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 1.5
Two conductors (of the same type)	[mm²]	0.2 - 1	0.2 - 1.5	0.25 - 1.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1
Max. cross-section with insertion bridge	[mm²]	2.5	2.5		
General data					
Stripping length	[mm]	8			
Terminal point: thread / torque	- / [Nm]	M3 / 0.5 - 0.6			
Mounting: thread / torque	- / [Nm]	- / -			
Insulating material		PA			
Inflammability class acc. to UL 94		V2			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, with universal foot for mounting on NS 32... or NS 35...		Gray	**UDK 3**		**2775375**	50
		Blue	**UDK 3 BU**		**2718277**	50
Ground terminal block, for mounting on NS 32... or NS 35...		Green-yellow				

Accessories

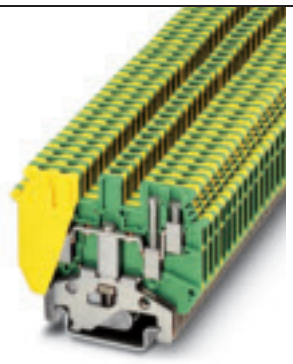
Cover, width 1.5 mm		Gray	**D-UDK 4**		**2775113**	50
		Blue	**D-UDK 4 BU**		**2775197**	50
Fixed bridge, for cross connections in the terminal center, screw heads with insulation collar						
	2	Silver	**FBRI 2-5 N**	26 A	**3000227**	10
	3	Silver	**FBRI 3-5 N**	26 A	**3000201**	10
	4	Silver	**FBRI 4-5 N**	26 A	**3000191**	10
	10	Silver	**FBRI 10-5 N**	26 A	**2770642**	10
Insertion bridge, long divisible fully insulated contact area for connectors with 5.0 or 5.08 mm pitch						
	2	Gray	**EBL 2- 5**	26 A	**2303145**	10
	3	Gray	**EBL 3- 5**	26 A	**2303158**	10
	10	Gray	**EBL 10- 5**	26 A	**2303132**	10
Switch bar for 2 terminal blocks, complete, to increase insulation an end cover must be interposed		Silver				
Isolator bridge bar, divisible, with 10 screws, for switchable branches with **IS-K...**	10	Silver				
Bridge bar isolator, as distance piece for isolator bridge bar		Gray				
Separating disk, for electrical separation of neighboring bridges, can be fitted later, no loss of pitch		Gray	**TS-KK 3**		**2770215**	50
Screwdriver			**SZS 0,6X3,5**		**1205053**	10
Zack marker strip, for labeling the lateral groove			**ZB 5 (see page 487)**			



UDK 4 ...

Width	Length	Height NS 35/7,5	
6.2	**63.5**	**47**	
Width	Length	Height NS 32	
6.2	**63.5**	**52.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
32[1])	**630**	**0.2 - 6**	**24 - 10**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
630	600	600	-
32 / 4	30 / -	25 / -	-
4	-	-	-
24 - 10	30-10	22-10	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 1.5
0.2 - 1	0.2 - 1.5	0.25 - 1.5	- 0.5 - 1
2.5	2.5		
8			
M3 / 0.5 - 0.6			
- / -			
PA			
V2			

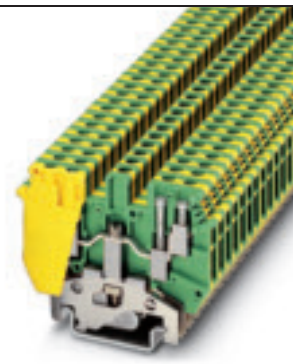
Type	I_{max}	Order No.	Pcs. / Pkt.
UDK 4		**2775016**	50
UDK 4 BU		**2775090**	50
D-UDK 4		**2775113**	50
D-UDK 4 BU		**2775197**	50
FBI 10- 6	32 A	**0203250**	10
EB 2- 6	26 A	**0201155**	100
EB 3- 6	26 A	**0201142**	100
EB 10- 6	26 A	**0201139**	10
USBR 2-7	24 A	**2303239**	1
ISSBI 10- 6	32 A	**0301505**	10
IS-K 4		**1302338**	100
TS-KK 3		**2770215**	50
SZS 0,6X3,5		**1205053**	10
ZB 6 (see page 487)			



UDK 3-PE

Width	Length	Height NS 35/7,5	
5.2	**63.5**	**47**	
Width	Length	Height NS 32	
5.2	**63.5**	**52.5**	
		Max. Ø [mm²]	AWG
		0.2 - 4	**24 - 12**
IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	-
2.5	-	-	-
24 - 12	30-12	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 1.5
0.2 - 1	0.2 - 1.5	0.25 - 1.5	- 0.5 - 1
8			
M3 / 0.5 - 0.6			
M2,5 / 0.5 - 0.6			
PA			
V2			

Type	Order No.	Pcs. / Pkt.
UDK 3-PE	**2775456**	50
SZS 0,6X3,5	**1205053**	10
ZB 5 (see page 487)		

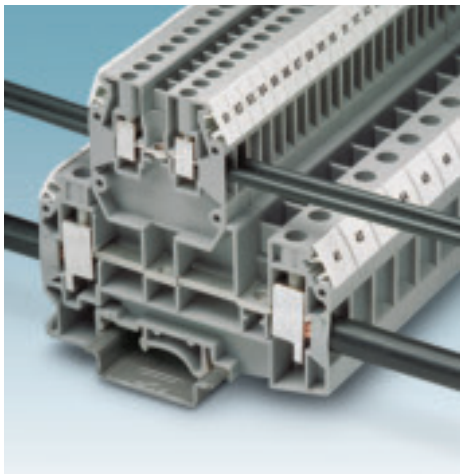


UDK 4-PE

Width	Length	Height NS 35/7,5	
6.2	**63.5**	**47**	
Width	Length	Height NS 32	
6.2	**63.5**	**52.5**	
		Max. Ø [mm²]	AWG
		0.2 - 6	**24 - 10**
IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	-
4	-	-	-
24 - 10	22-10	22-10	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 1.5
0.2 - 1	0.2 - 1.5	0.25 - 1.5	- 0.5 - 1
8			
M3 / 0.5 - 0.6			
M3 / 0.6 - 0.8			
PA			
V2			

Type	Order No.	Pcs. / Pkt.
UDK 4-PE	**2775184**	50
SZS 0,6X3,5	**1205053**	10
ZB 6 (see page 487)		

Multi-level terminal blocks UKK ...

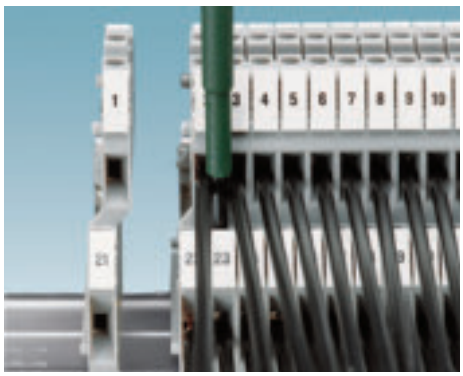


The UK product range is rounded off by the compact double-level variant UKK in the nominal cross-sections 2.5 and 4 mm².

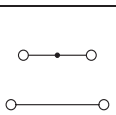
One or two bridge shafts as well as large-area labeling options of all terminal points are integrated.

Offset levels

The offset levels of the double-level terminal blocks enable unhindered access to the lower connection levels even when already fully wired.



[1]) The max. load current must not be exceeded by the total current of all connected conductors.





UKK 3 ...

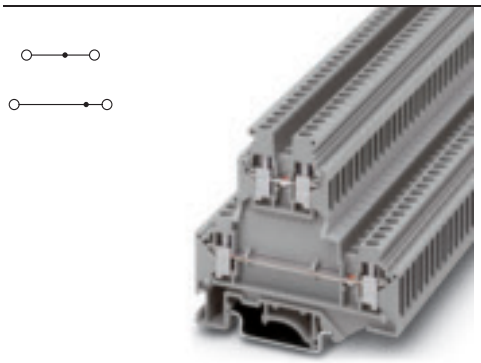
Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**56**	**62**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**5.2**	**56**	**67**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		32	**500**	**0.2 - 4**	**24 - 12**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	600	600	-
Nominal current / cross-section	[A] / [mm²]	24 / 2.5	20 / -	25 / -	-
Rated cross-section	[mm²]	2.5	-	-	-
Cross-section range	AWG	24 - 12	28-12	28-12	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 1.5
Two conductors (of the same type)	[mm²]	0.2 - 1	0.2 - 1.5	0.25 - 1.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1
Max. cross-section with insertion bridge	[mm²]	2.5	2.5		
General data					
Stripping length	[mm]	8			
Screw thread		M3			
Tightening torque	[Nm]	0.5 - 0.6			
Insulating material		PA			
Inflammability class acc. to UL 94		V0			

Ordering data

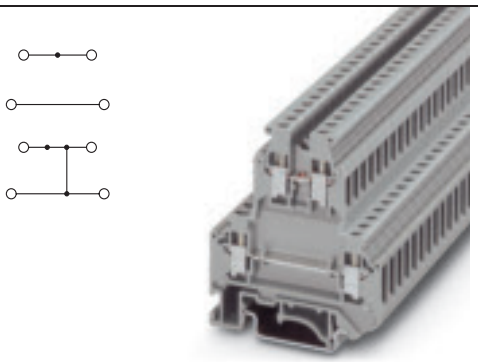
Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Double-level terminal block, with universal foot, for mounting on NS 35... and NS 32...		Gray	**UKK 3**		**2770011**	50
		Blue	**UKK 3 BU**		**2770095**	50
Double-level terminal block, with universal foot, for mounting on NS 35... and NS 32..., with equipotential bonding between levels[1])		Gray				

Accessories

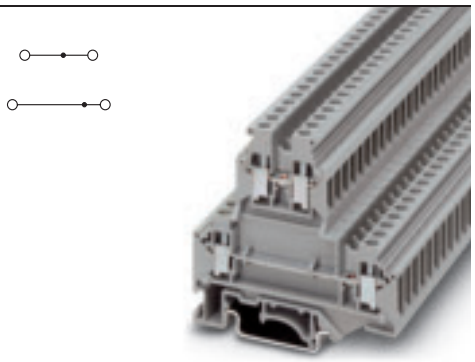
Cover, width 2.5 mm		Gray	**D-UKK 3/5**		**2770024**	50
		Blue	**D-UKK 3/5 BU**		**2770105**	50
Spacer plate, compensates for level offset if standard terminal blocks are to be fitted adjacently, 2.5 mm thick		Gray	**DP-UKK 3/5**		**2770794**	50
Fixed bridge, for cross connections in the terminal center, with permanently crimped rolls, screw heads with insulating collar as shock protection						
	2	Silver	**FBRNI 2-5 N**	28 A	**3000175**	10
	3	Silver	**FBRNI 3-5 N**	28 A	**3000162**	10
	4	Silver	**FBRNI 4-5 N**	28 A	**3000159**	10
	10	Silver	**FBRNI 10-5 N**	28 A	**2770639**	10
Insertion bridge, fully insulated						
	2	Gray				
	3	Gray				
	10	Gray	**EBL 10- 5**	22 A	**2303132**	10
Isolator bridge bar, divisible, with 10 screws, for switchable branches with **IS-K...**						
	10	Silver				
Bridge bar isolator, as distance piece for isolator bridge bar		Gray				
Separating disk, for electrical separation of neighboring bridges, can be fitted later, no loss of pitch		Gray	**TS-KK 3**		**2770215**	50
Partition plate, 2.5 mm thick		Gray	**ATP-UKK 3/5**		**2778521**	50
Screwdriver			**SZS 0,6X3,5**		**1205053**	10
Zack marker strip, for labeling the lateral groove			**ZB 5 (see page 487)**			



UKKB 3 ...



UKK 5 ...



UKKB 5 ...

Width	Length	Height NS 35/7,5	
5.2	**67**	**62**	
Width	Length	Height NS 32	
5.2	**67**	**67**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
32	**500**	**0.2 - 4**	**24 - 12**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	600	600	-
24 / 2.5	20 / -	25 / -	-
2.5	-	-	-
24 - 12	28-12	28-12	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 1.5
0.2 - 1	0.2 - 1.5	0.25 - 1.5	- 0.5 - 1
2.5	2.5		
8			
M3			
0.5 - 0.6			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
UKKB 3		**2771010**	50
UKKB 3 BU		**2771094**	50
D-UKKB 3/5		**2771023**	50
D-UKKB 3/5 BU		**2771104**	50
DP-UKKB 3/ 5		**2770804**	50
FBRNI 2-5 N	28 A	**3000175**	10
FBRNI 3-5 N	28 A	**3000162**	10
FBRNI 4-5 N	28 A	**3000159**	10
FBRNI 10-5 N	28 A	**2770639**	10
EBL 10- 5	22 A	**2303132**	10
TS-KK 3		**2770215**	50
ATP-UKKB 3		**2771065**	50
SZS 0,6X3,5		**1205053**	10
ZB 5 (see page 487)			

Width	Length	Height NS 35/7,5	
6.2	**56**	**62**	
Width	Length	Height NS 32	
6.2	**56**	**67**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
32	**500**	**0.2 - 4**	**24 - 12**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	600	600	-
32 / 4	30 / -	25 / -	-
4	-	-	-
24 - 12	26-10	28-10	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	- 0.5 - 1.5
4	2.5		
8			
M3			
0.6 - 0.8			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
UKK 5		**2774017**	50
UKK 5 BU		**2774091**	50
UKK 5-PV		**2791388**	50
D-UKK 3/5		**2770024**	50
D-UKK 3/5 BU		**2770105**	50
DP-UKK 3/5		**2770794**	50
FBI 10- 6	32 A	**0203250**	10
EB 2- 6	28 A	**0201155**	100
EB 3- 6	28 A	**0201142**	100
EB 10- 6	28 A	**0201139**	10
ISSBI 10- 6	24 A	**0301505**	10
IS-K 4		**1302338**	100
TS-KK 3		**2770215**	50
ATP-UKK 3/5		**2778521**	50
SZS 0,6X3,5		**1205053**	10
ZB 6 (see page 487)			

Width	Length	Height NS 35/7,5	
6.2	**67**	**62**	
Width	Length	Height NS 32	
6.2	**67**	**67**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
32	**500**	**0.2 - 4**	**24 - 12**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	600	600	-
32 / 4	30 / -	25 / -	-
4	-	-	-
24 - 12	26-10	28-10	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	- 0.5 - 1.5
4	2.5		
8			
M3			
0.6 - 0.8			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
UKKB 5		**2771146**	50
UKKB 5 BU		**3216053**	50
D-UKKB 3/5		**2771023**	50
D-UKKB 3/5 BU		**2771104**	50
DP-UKKB 3/ 5		**2770804**	50
FBI 10- 6	32 A	**0203250**	10
EB 2- 6	28 A	**0201155**	100
EB 3- 6	28 A	**0201142**	100
EB 10- 6	28 A	**0201139**	10
ISSBI 10- 6	24 A	**0301505**	10
IS-K 4		**1302338**	100
TS-KK 3		**2770215**	50
ATP-UKKB 3		**2771065**	50
SZS 0,6X3,5		**1205053**	10
ZB 6 (see page 487)			

Multi-level terminal block UKKB 10 ...

The basic model UKKB 10 with a pitch of 10 mm unites load circuits of up to 10 mm² dimensioning cross-section.

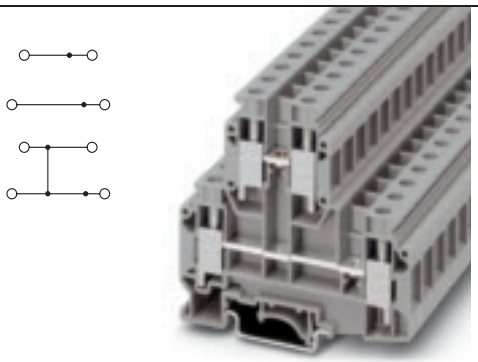
The UKKB 10/2,5 provides a special feature of connecting 2 x 2.5 mm² conductor in the upper level.

Bridging facilities in the upper and lower levels go without saying.

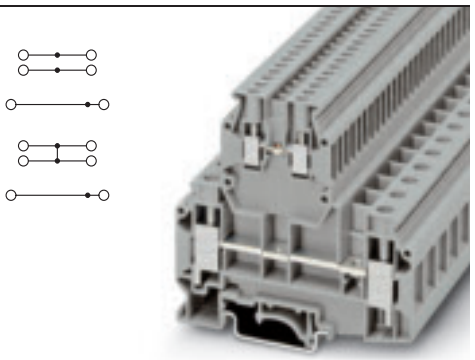
For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

UKKB 10-PV: 70 A / 500 V

1) The max. load current must not be exceeded by the total current of all connected conductors.



UKKB 10...



UKKB 10/2,5...

		UKKB 10...				UKKB 10/2,5...			
Dimensions		Width	Length	Height NS 35/7,5		Width	Length	Height NS 35/7,5	
	[mm]	**10.2**	**77.5**	**73**		**10.2**	**77.5**	**73**	
Dimensions		Width	Length	Height NS 32		Width	Length	Height NS 32	
	[mm]	**10.2**	**77.5**	**78**		**10.2**	**77.5**	**78**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG	$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		76	**500**	**0.5 - 16**	**20 - 6**	**76**	**500**	**0.5 - 16**	**20 - 6**
Rated data, lower level		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7	IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	600	300	-	500	600	300	-
Nominal current / cross-section	[A] / [mm²]	57 / 10	65 / -	65 / -	- / -	57 / 10	65 / -	65 / -	- / -
Rated cross-section	[mm²]	10	-	-	-	10	-	-	-
Cross-section range	AWG	20 - 6	24-6	24-6	-	20 - 6	24-6	24-6	-
Connection capacity, lower level		Solid	Stranded	Ferrule without / with plastic sleeve		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.5 - 16	0.5 - 10	0.5 - 10	0.5 - 6	0.5 - 16	0.5 - 10	0.5 - 10	0.5 - 6
Two conductors (of the same type)	[mm²]	0.5 - 6	0.5 - 4	0.5 - 6	-	0.5 - 6	0.5 - 4	0.5 - 6	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 6				0.5 - 6
Rated data, upper level		IEC	UL / CUL	CSA	IEC/ EN 60079-7	IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	600	300	-	500	600	300	-
Nominal current / cross-section	[A] / [mm²]	57 / 10	65 / -	65 / -	- / -	24 / 2.5	20 / -	20 / -	- / -
Rated cross-section	[mm²]	10	-	-	-	10	-	-	-
Cross-section range	AWG	20 - 6	24-6	24-6	-	24 - 12	30-12	28-12	-
Connection capacity, upper level		Solid	Stranded	With ferrule without / with plastic sleeve		Solid	Stranded	With ferrule without / with plastic sleeve	
One conductor	[mm²]	0.5 - 16	0.5 - 10	0.5 - 10	0.5 - 6	0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 1.5
Two conductors (of the same type)	[mm²]	0.5 - 6	0.5 - 4	0.5 - 6	-	0.2 - 1.5	0.2 - 1.5	0.25 - 1	-
Two conductors with a TWIN ferrule	[mm²]				0.5 - 6				0.5 - 1.5
General data									
Stripping length, lower / upper level	[mm]	11 / 11				11 / 8			
Thread, lower / upper level		M4 / M4				M4 / M3			
Tightening torque, lower / upper level	[Nm]	1.5 - 1.8 / 1.5 - 1.8				1.5 - 1.8 / 0.6 - 0.8			
Insulating material		PA				PA			
Inflammability class acc. to UL 94		V0				V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, with universal foot for mounting on NS 32... or NS 35...		Gray	**UKKB 10**		**2772077**	50	**UKKB 10/2,5**		**2771007**	50
Terminal block, with equipotential bonder, for mounting on NS 32 ... or NS 35...1)		Gray	**UKKB 10-PV**		**3003567**	50	**UKKB 10/2,5-PV**		**2775485**	50

Accessories

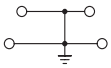
Cover, width 1.5 mm		Gray	**D-UKKB 10**		**3001394**	50	**D-UKKB 10**		**3001394**	50
Fixed jumper, for cross connections in the terminal center, screw heads with insulating collar as shock protection	10	Silver					**FBRI 10-5 N**	26 A	**2770642**	10
Fixed bridge, for cross connections in the terminal center, screw heads with insulating collar, divisible, with 10 screws	10	Silver	**FBI 10-10**	70 A	**0203276**	10	**FBI 10-10**	70 A	**0203276**	10
Chain bridge, with screw	1	Silver	**KB- 10**	70 A	**0203205**	100	**KB- 10**	70 A	**0203205**	100
Isolator bridge bar, divisible, with 10 screws, for switchable branches with **IS-K...**	10	Silver	**ISSBI 10-10**	50 A	**0301521**	10	**ISSBI 10-10**	50 A	**0301521**	10
Bridge bar isolator, as distance piece for isolator bridge bar		Gray	**IS-K 10**		**1303337**	100	**IS-K 10**		**1303337**	100
Screwdriver			**SZS 1,0X4,0**		**1205066**	10	**SZS 1,0X4,0**		**1205066**	10
Zack marker strip, 10-section, for upper level			**ZB 10 (see page 489)**				**ZB 5 (see page 487)**			
Zack marker strip, 10-section, for lower level			**ZB 10 (see page 489)**				**ZB 10 (see page 489)**			

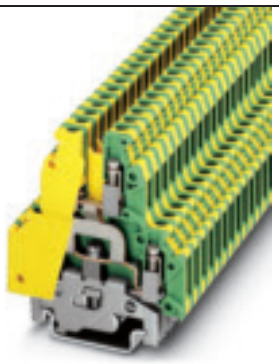
Multi-level ground terminal blocks UKK 5-PE and UKKB 5-PE

The universal grounding foot allows the terminal block to be mounted on both commercially available EN DIN rails (with the exception of NS 35/15-2.3).

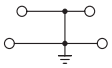
Current carrying capacity of DIN rails, see page 728.

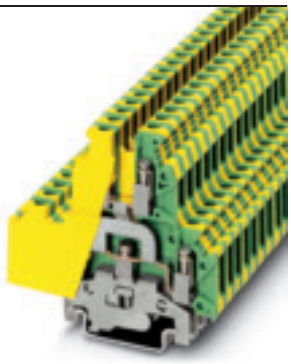
For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.





UKK 5-PE





UKKB 5-PE

		UKK 5-PE				UKKB 5-PE			
Dimensions		Width	Length	Height NS 35/7,5		Width	Length	Height NS 35/7,5	
	[mm]	**6.2**	**56**	**62**		**6.2**	**67**	**62**	
Dimensions		Width	Length	Height NS 32		Width	Length	Height NS 32	
	[mm]	**6.2**	**56**	**67**		**6.2**	**67**	**67**	
Max. electrical data				Max. Ø [mm²]	AWG			Max. Ø [mm²]	AWG
				0.2 - 4	**24 - 12**			**0.2 - 4**	**24 - 12**
Rated data		IEC 60947-7-2 IEC	UL / CUL	CSA	IEC/ EN 60079-7	IEC 60947-7-2 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	-	-	-	-	-	-	-	-
Nominal current / cross-section	[A] / [mm²]	- / -	- / -	- / -	-	- / -	- / -	- / -	-
Rated cross-section	[mm²]	4	-	-	-	4	-	-	-
Cross-section range	AWG	24 - 12	26-10	28-10	-	24 - 12	26-10	28-10	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5	0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
Two conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1.5				0.5 - 1.5
General data									
Stripping length	[mm]	8				8			
Screw thread		M3				M3			
Tightening torque	[Nm]	0.6 - 0.8				0.6 - 0.8			
Insulating material		PA				PA			
Inflammability class acc. to UL 94		V2				V2			

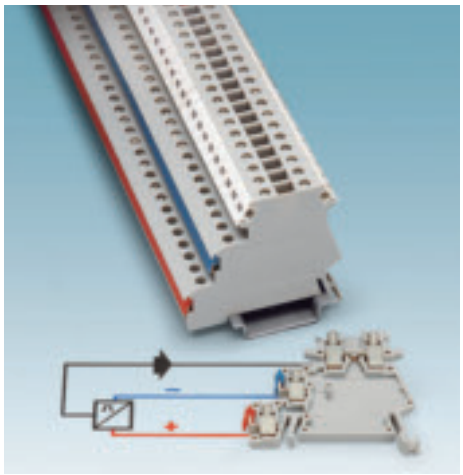
Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Ground terminal block, for mounting on NS 32... or NS 35...	Green-yellow	**UKK 5-PE**	**2774211**	50	**UKKB 5-PE**	**3007123**	50

Accessories

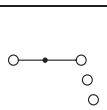
Screwdriver		**SZS 0,6X3,5**	**1205053**	10	**SZS 0,6X3,5**	**1205053**	10
Zack marker strip, for labeling the lateral groove		**ZB 6 (see page 487)**			**ZB 6 (see page 487)**		

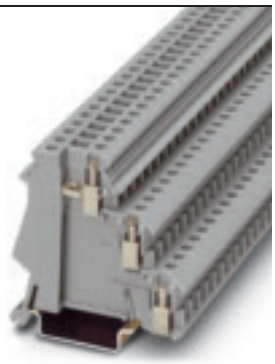
Multi-level sensor terminal blocks DIK 1,5 ... and DIKD 1,5 ...



For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) The max. load current must not be exceeded by the total current of all connected conductors.





DIK 1,5 ...

The sensor and actuator conductors are wired in terminal boxes in order to reduce wiring costs. The positive and negative connections are grouped so that only the signal lines and one pair of conductors for the power supply need to be wired between the terminal box and the controler.

The design of the DIK 1,5 three-level initiator input terminal block corresponds to this wiring principle.

The upper level accommodates the markable feed-through terminals for the signal line. The two lower terminal points can be bridged using a divisible insertion bridge. These are used for the initiator power supply.

The positive and negative potential can be fed into the insertion bridges via the power terminal block DIKD 1,5. The first sensor can also be connected to this three-conductor feed-through terminal block.

The DIKD three-level terminal blocks are available as DIKD 1,5 three-conductor feed-through terminal blocks or as DIKD 1,5-PV potential distributors. The benefit of using DIKD 1,5-PV as a space-saving potential distributor is obvious. This terminal block is available with gray, black and blue insulation housings for the purpose of clear potential identification. The bridgeable upper level of the terminal blocks makes potential distribution over more than 6 terminal points possible.

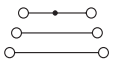
Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**6.2**	**55**	**54.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		26	**250**	**0.2 - 4**	**24 - 12**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	250	300	300	-
Nominal current / cross-section	[A] / [mm²]	24 / 2.5	15 / -	15 / -	-
Rated cross-section	[mm²]	2.5	-	-	-
Cross-section range	AWG	24 - 12	30-14	28-14	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
Two conductors (of the same type)	[mm²]	0.2 - 1	0.2 - 1	0.25 - 1	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1
Max. cross-section with insertion bridge	[mm²]	4	2.5		
General data					
Stripping length	[mm]	8			
Screw thread		M3			
Tightening torque	[Nm]	0.5 - 0.6			
Insulating material		PA			
Inflammability class acc. to UL 94		V2			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		Gray	**DIK 1,5**		**2715966**	50
		Blue	**DIK 1,5 BU**		**2716059**	50
Terminal block, with three through contacts, for mounting on NS 35...		Gray				
		Blue				
Terminal block, with through contacts in the upper and middle levels, for mounting on NS 35...		Gray				
Terminal block, with equipotential bonder, for mounting on NS 35...		Gray				
		Blue				
		Black				

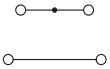
Accessories

Fixed bridge, for cross connections in the terminal center, screw heads with insulating collar, divisible, with 10 screws	10	Silver	**FBI 10- 6**	24 A	**0203250**	10
Insertion bridge, for middle and lower levels						
Divisible	10	Blue	**EB 10- DIK BU**	24 A	**2716680**	10
	10	Red	**EB 10- DIK RD**	24 A	**2716774**	10
	10	Gray	**EB 10- DIK GY**	24 A	**2715937**	10
Divisible	80	Blue	**EB 80- DIK BU**	24 A	**2715940**	1
	80	Red	**EB 80- DIK RD**	24 A	**2715953**	1
	80	White	**EB 80- DIK WH**	24 A	**2715788**	1
Partition plate, for visual and electrical separation of terminal groups, 2 mm thick		Gray	**ATP-DIK 1,5**		**1413272**	50
Screwdriver			**SZS 0,6X3,5**		**1205053**	10
Marker strips, for middle and lower level			**SK 6,2/3,8 (see page 503)**			
Zack marker strip, 10-section, only for upper level			**ZB 6 (see page 487)**			



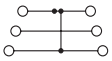


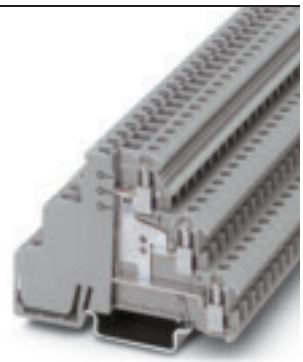
DIKD 1,5 ...





DIKD 1,5-2D





DIKD 1,5-PV ...

Width	Length	Height NS 35/7,5	
6.2	**72.5**	**54.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
30	**250**	**0.2 - 4**	**24 - 12**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
250	300	300	-
24 / 2.5	15 / -	15 / -	-
2.5	-	-	-
24 - 12	30-14	28-14	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
0.2 - 1	0.2 - 1	0.25 - 1	- 0.5 - 1
4	2.5		
8			
M3			
0.5 - 0.6			
PA			
V2			

Type	I_{max}	Order No.	Pcs. / Pkt.
DIKD 1,5		**2715979**	50
DIKD 1,5 BU		**2716101**	50
FBI 10- 6	24 A	**0203250**	10
EB 10- DIK BU	24 A	**2716680**	10
EB 10- DIK RD	24 A	**2716774**	10
EB 10- DIK GY	24 A	**2715937**	10
EB 80- DIK BU	24 A	**2715940**	1
EB 80- DIK RD	24 A	**2715953**	1
EB 80- DIK WH	24 A	**2715788**	1
ATP-DIKD 1,5		**1413285**	50
SZS 0,6X3,5		**1205053**	10
SK 6,2/3,8 (see page 503)			
ZB 6 (see page 487)			

Width	Length	Height NS 35/7,5	
6.2	**72.5**	**54.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
30	**250**	**0.2 - 4**	**24 - 12**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
250	-	-	-
24 / 2.5	- / -	- / -	-
2.5	-	-	-
24 - 12	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
0.2 - 1	0.2 - 1	0.25 - 1	- 0.5 - 1
4	2.5		
8			
M3			
0.5 - 0.6			
PA			
V2			

Type	I_{max}	Order No.	Pcs. / Pkt.
DIKD 1,5-2D		**2716512**	50
FBI 10- 6	24 A	**0203250**	10
EB 10- DIK BU	24 A	**2716680**	10
EB 10- DIK RD	24 A	**2716774**	10
EB 10- DIK GY	24 A	**2715937**	10
EB 80- DIK BU	24 A	**2715940**	1
EB 80- DIK RD	24 A	**2715953**	1
EB 80- DIK WH	24 A	**2715788**	1
ATP-DIKD 1,5		**1413285**	50
SZS 0,6X3,5		**1205053**	10
SK 6,2/3,8 (see page 503)			
ZB 6 (see page 487)			

Width	Length	Height NS 35/7,5	
6.2	**72.5**	**54.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
32[1])	**250**	**0.2 - 4**	**24 - 12**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
250	300	300	-
24 / 2.5	15 / -	15 / -	-
2.5	-	-	-
24 - 12	30-14	28-14	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
0.2 - 1	0.2 - 1	0.25 - 1	- 0.5 - 1
4	2.5		
8			
M3			
0.5 - 0.6			
PA			
V2			

Type	I_{max}	Order No.	Pcs. / Pkt.
DIKD 1,5-PV		**2715092**	50
DIKD 1,5-PV BU		**2715584**	50
DIKD 1,5-PV BK		**2715571**	50
FBI 10- 6	24 A	**0203250**	10
EB 10- DIK BU	24 A	**2716680**	10
EB 10- DIK RD	24 A	**2716774**	10
EB 10- DIK GY	24 A	**2715937**	10
EB 80- DIK BU	24 A	**2715940**	1
EB 80- DIK RD	24 A	**2715953**	1
EB 80- DIK WH	24 A	**2715788**	1
ATP-DIKD 1,5		**1413285**	50
SZS 0,6X3,5		**1205053**	10
SK 6,2/3,8 (see page 503)			
ZB 6 (see page 487)			

Multi-level sensor terminal blocks DIK 1,5 ... and DIKD 1,5 ...

Terminal blocks with light indicators in red and green are also available for optical identification of the initiator and actuator wiring.

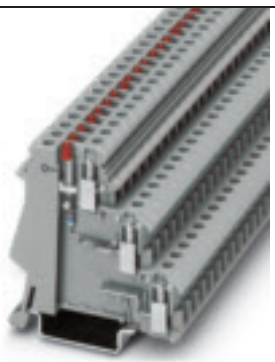
The relevant accessories are documented, refer to page 388.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) Current and voltage are determined by the connector used.

[2]) Light indicator: voltage15-30 V DC, current 1-2.5 mA





DIK 1,5-LA 24.../O-M





DIK 1,5-LA 24.../U-O

Dimensions		Width	Length	Height NS 35/7,5		Width	Length	Height NS 35/7,5	
	[mm]	**6.2**	**55**	**54.5**		**6.2**	**55**	**54.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG	$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		26	**250**	**0.2 - 4**	**24 - 12**	**26**	**250**	**0.2 - 4**	**24 - 12**
Rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7	IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	250	300	300	-	250	300	300	-
Nominal current / cross-section	[A] / [mm²]	24 / 2.5	15 / -	15 / -	-	24 / 2.5	15 / -	15 / -	-
Rated cross-section	[mm²]	2.5	-	-	-	2.5	-	-	-
Cross-section range	AWG	24 - 12	30-14	28-14	-	24 - 12	30-14	28-14	-
Disconnect level rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7	IEC	UL / CUL	CSA	IEC/ EN 60079-7
Nominal current / cross-section	[A] / [mm²]	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5	0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
Two conductors (of the same type)	[mm²]	0.2 - 1	0.2 - 1	0.25 - 1	-	0.2 - 1	0.2 - 1	0.25 - 1	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1				0.5 - 1
Max. cross-section with insertion bridge	[mm²]	4	2.5			4	2.5		
General data									
Stripping length	[mm]	8				8			
Screw thread		M3				M3			
Tightening torque	[Nm]	0.5 - 0.6				0.5 - 0.6			
Insulating material		PA				PA			
Inflammability class acc. to UL 94		V2				V2			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, with a red LED between the upper and middle level, for mounting on NS 35...[2])		Gray	**DIK 1,5-LA 24RD/O-M**		**2715856**	50				
Green LED		Gray	**DIK 1,5-LA 24GN/O-M**		**2715762**	50				
Terminal block, with a red LED between the upper and lower level, for mounting on NS 35...[2])		Gray					**DIK 1,5-LA 24RD/U-O**		**2715995**	50
Green LED		Gray					**DIK 1,5-LA 24GN/U-O**		**2715733**	50
Terminal block, with three through contacts and a red LED between the upper and middle level, for mounting on NS 35...[2])		Gray								
Green LED		Gray								
Terminal block, with three through contacts and a red LED between the upper and lower level, for mounting on NS 35...[2])		Gray								
Green LED		Gray								
Basic terminal block, for mounting on NS 35...		Gray								

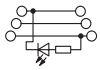
Accessories

Fixed bridge, for cross connections in the terminal center, screw heads with insulating collar, divisible, with 10 screws	10	Silver	**FBI 10- 6**	24 A	**0203250**	10	**FBI 10- 6**	24 A	**0203250**	10
Insertion bridge, for middle and lower levels										
Divisible	80	Blue	**EB 80- DIK BU**	24 A	**2715940**	1	**EB 80- DIK BU**	24 A	**2715940**	1
	80	Red	**EB 80- DIK RD**	24 A	**2715953**	1	**EB 80- DIK RD**	24 A	**2715953**	1
	80	White	**EB 80- DIK WH**	24 A	**2715788**	1	**EB 80- DIK WH**	24 A	**2715788**	1
Partition plate, for visual and electrical separation of terminal groups, 2 mm thick		Gray	**ATP-DIK 1,5**		**1413272**	50	**ATP-DIKD 1,5**		**1413285**	50
Screwdriver			**SZS 0,6X3,5**		**1205053**	10	**SZS 0,6X3,5**		**1205053**	10
Marker strips, for middle and lower level			**SK 6,2/3,8 (see page 503)**				**SK 6,2/3,8 (see page 503)**			
Zack marker strip, 10-section, only for upper level			**ZB 6 (see page 487)**				**ZB 6 (see page 487)**			



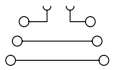


DIKD 1,5-LA 24.../O-M





DIKD 1,5-LA 24.../U-O





DIKD 1,5-TG

Component terminal block

Width	Length	Height NS 35/7,5	
6.2	**72.5**	**54.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
30	**250**	**0.2 - 4**	**24 - 12**
IEC	UL / CUL	CSA	IEC/ EN 60079-7
250	300	300	-
24 / 2.5	15 / -	15 / -	-
2.5	-	-	-
24 - 12	30-14	28-14	-
IEC	UL / CUL	CSA	IEC/ EN 60079-7
- / -	- / -	- / -	- / -
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
0.2 - 1	0.2 - 1	0.25 - 1	-
			0.5 - 1
4	2.5		
8			
M3			
0.5 - 0.6			
PA			
V2			

Width	Length	Height NS 35/7,5	
6.2	**72.5**	**54.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
30	**250**	**0.2 - 4**	**24 - 12**
IEC	UL / CUL	CSA	IEC/ EN 60079-7
250	300	300	-
24 / 2.5	15 / -	15 / -	-
2.5	-	-	-
24 - 12	30-14	28-14	-
IEC	UL / CUL	CSA	IEC/ EN 60079-7
- / -	- / -	- / -	- / -
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
0.2 - 1	0.2 - 1	0.25 - 1	-
			0.5 - 1
4	2.5		
8			
M3			
0.5 - 0.6			
PA			
V2			

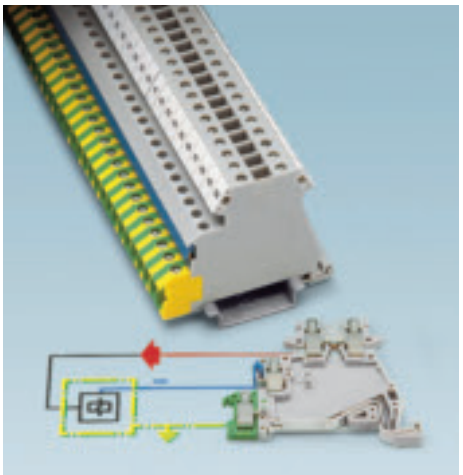
Width	Length	Height NS 35/7,5	
6.2	**72.5**	**54.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
30[1])	**250[1])**	**0.2 - 4**	**24 - 12**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
250[1])	300	300	-
24[1]) / 2.5	15 / -	15 / -	-
2.5	-	-	-
24 - 12	30-14	28-14	-
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
16[1]) / 2.5	- / -	- / -	- / -
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
0.2 - 1	0.2 - 1	0.25 - 1	-
			0.5 - 1
4	2.5		
8			
M3			
0.5 - 0.6			
PA			
V2			

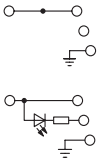
Type	I_{max}	Order No.	Pcs. / Pkt.
DIKD 1,5-LA 24RD/O-M		**2715814**	50
DIKD 1,5-LA 24GN/O-M		**2716376**	50
FBI 10- 6	24 A	**0203250**	10
EB 80- DIK BU	24 A	**2715940**	1
EB 80- DIK RD	24 A	**2715953**	1
EB 80- DIK WH	24 A	**2715788**	1
ATP-DIKD 1,5		**1413285**	50
SZS 0,6X3,5		**1205053**	10
SK 6,2/3,8 (see page 503)			
ZB 6 (see page 487)			

Type	I_{max}	Order No.	Pcs. / Pkt.
DIKD 1,5-LA 24RD/U-O		**2716279**	50
DIKD 1,5-LA 24GN/U-O		**2716402**	50
FBI 10- 6	24 A	**0203250**	10
EB 80- DIK BU	24 A	**2715940**	1
EB 80- DIK RD	24 A	**2715953**	1
EB 80- DIK WH	24 A	**2715788**	1
ATP-DIKD 1,5		**1413285**	50
SZS 0,6X3,5		**1205053**	10
SK 6,2/3,8 (see page 503)			
ZB 6 (see page 487)			

Type	I_{max}	Order No.	Pcs. / Pkt.
DIKD 1,5-TG		**2774237**	50
EB 80- DIK BU	24 A	**2715940**	1
EB 80- DIK RD	24 A	**2715953**	1
EB 80- DIK WH	24 A	**2715788**	1
ATP-DIKD 1,5		**1413285**	50
SZS 0,6X3,5		**1205053**	10
SK 6,2/3,8 (see page 503)			
ZB 6 (see page 487)			

Multi-level actuator terminal blocks
DOK 1,5







DOK 1,5...

Current carrying capacity of DIN rails, see page 728.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) Current and voltage are determined by the connector used.

[2]) Light indicator: voltage15-30 V DC, current 1-2.5 mA

Three-conductor actuator terminal blocks DOK 1,5 are the same shape as the three-level initiator terminal blocks. These output terminal blocks make contact on the lower level unlike the DIK terminal blocks, which make contact directly on the DIN rail. Their yellow-green color coding indicates the ground connection (PE). As with the DIK terminal blocks, the middle level is designed for the power supply to the connected actuators. The supply potential can be conveniently distributed among up to 80 terminal blocks using divisible insertion bridges. The upper level accommodates the markable feed-through terminals for the signal line.

A mixture of DIK and DOK terminal blocks can be fitted since they are the same shape. Either-way wiring of actuator-sensor groups is therefore possible. The teeth in the insertion bridges can easily be removed in order to skip individual terminal blocks, e.g. for wiring up sensors and actuators.

Because the spine of the insertion bridge can be snapped into place on the terminal block housing, all the terminal points can be wired freely and the bridge can be securely positioned.

Terminal blocks with light indicators in red and green are also available for optical identification of the initiator and actuator wiring.

The component terminal block DOKD 1,5-TG can accommodate the fuse connector or the isolating connector. The corresponding accessory is documented, refer to page 388.

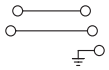
Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**6.2**	**61.5**	**54.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		26	**250**	**0.2 - 4**	**24 - 12**
Rated data		IEC 60947-7-1 / IEC 60947-7-2			
		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	250	300	300	-
Nominal current / cross-section	[A] / [mm²]	24 / 2.5	15 / -	15 / -	-
Rated cross-section	[mm²]	2.5	-	-	-
Cross-section range	AWG	24 - 12	30-14	28-14	-
Disconnect level rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Nominal current / cross-section	[A] / [mm²]	- / -	- / -	- / -	- / -
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
Two conductors (of the same type)	[mm²]	0.2 - 1	0.2 - 1	0.25 - 1	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1
Max. cross-section with insertion bridge	[mm²]	4	2.5		
General data					
Stripping length	[mm]	8			
Screw thread		M3			
Tightening torque	[Nm]	0.5 - 0.6			
Insulating material		PA			
Inflammability class acc. to UL 94		V2			

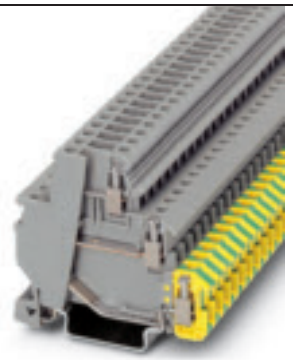
Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		Gray	**DOK 1,5**		**2717016**	50
Terminal block, with **red (RD)** LED between the upper and middle levels, for mounting on NS 35...[2])		Gray	**DOK 1,5-LA 24RD/O-M**		**2717029**	50
Terminal block, with **green (GN)** LED between the upper and middle levels, for mounting on NS 35...[2])		Gray	**DOK 1,5-LA 24GN/O-M**		**2717074**	50
Terminal block, with through contacts in the upper and lower levels, for mounting on NS 35...		Gray				
Basic terminal block, for mounting on NS 35...		Gray				

Accessories

Insertion bridge, for middle and lower levels, fully insulated						
	10	Gray	**EB 10- DIK GY**	26 A	**2715937**	10
	10	Red	**EB 10- DIK RD**	26 A	**2716774**	10
Divisible	10	Blue	**EB 10- DIK BU**	26 A	**2716680**	10
Divisible	80	Blue	**EB 80- DIK BU**	26 A	**2715940**	1
	80	Red	**EB 80- DIK RD**	26 A	**2715953**	1
	80	White	**EB 80- DIK WH**	26 A	**2715788**	1
Fixed bridge, for cross connections in the terminal center, screw heads with insulating collar, divisible, with 10 screws						
	10	Silver	**FBI 10- 6**	26 A	**0203250**	10
Partition plate, for visual and electrical separation of terminal groups, 2 mm thick		Gray	**ATP-DIK 1,5**		**1413272**	50
Screwdriver			**SZS 0,6X3,5**		**1205053**	10
Marker strips, for middle and lower level			**SK 6,2/3,8 (see page 503)**			
Zack marker strip, 10-section, only for upper level			**ZB 6 (see page 487)**			

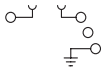




DOK 1,5-2D

Width	Length	Height NS 35/7,5	
6.2	**62.5**	**54.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
26	**250**	**0.2 - 4**	**24 - 12**
IEC 60947-7-1 / IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
250	300	300	-
24 / 2.5	15 / -	15 / -	-
2.5	-	-	-
24 - 12	30-14	28-14	-
IEC	UL / CUL	CSA	IEC/ EN 60079-7
- / -	- / -	- / -	- / -
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
0.2 - 1	0.2 - 1	0.25 - 1	- 0.5 - 1
4	2.5		
8			
M3			
0.5 - 0.6			
PA			
V2			

Type	I_{max}	Order No.	Pcs. / Pkt.
DOK 1,5-2D		**2717139**	50
EB 10- DIK GY	26 A	**2715937**	10
EB 10- DIK RD	26 A	**2716774**	10
EB 10- DIK BU	26 A	**2716680**	10
EB 80- DIK BU	26 A	**2715940**	1
EB 80- DIK RD	26 A	**2715953**	1
EB 80- DIK WH	26 A	**2715788**	1
ATP-DIKD 1,5		**1413285**	50
SZS 0,6X3,5		**1205053**	10
SK 6,2/3,8 (see page 503)			
ZB 6 (see page 487)			



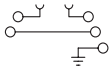


DOK 1,5-TG

Component terminal block

Width	Length	Height NS 35/7,5	
6.2	**61**	**54.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
16[1])	**250[1])**	**0.2 - 4**	**24 - 12**
IEC 60947-7-1 / IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
250[1])	300	300	-
16[1]) / 1.5	15 / -	15 / -	-
2.5	-	-	-
24 - 12	30-14	28-14	-
IEC	UL / CUL	CSA	IEC/ EN 60079-7
16[1]) / -	- / -	- / -	- / -
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
0.2 - 1	0.2 - 1	0.25 - 1	- 0.5 - 1
4	2.5		
8			
M3			
0.5 - 0.6			
PA			
V2			

Type	I_{max}	Order No.	Pcs. / Pkt.
DOK 1,5-TG		**2717113**	50
EB 10- DIK GY	26 A	**2715937**	10
EB 10- DIK RD	26 A	**2716774**	10
EB 10- DIK BU	26 A	**2716680**	10
EB 80- DIK BU	26 A	**2715940**	1
EB 80- DIK RD	26 A	**2715953**	1
EB 80- DIK WH	26 A	**2715788**	1
ATP-DIK 1,5		**1413272**	50
SZS 0,6X3,5		**1205053**	10
SK 6,2/3,8 (see page 503)			
ZB 6 (see page 487)			





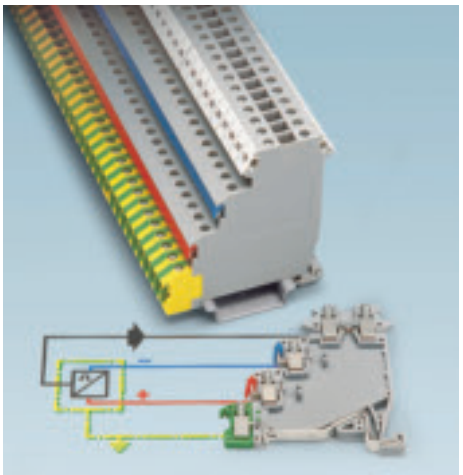
DOKD 1,5-TG

Component terminal block

Width	Length	Height NS 35/7,5	
6.2	**63**	**54.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
26[1])	**250[1])**	**0.2 - 4**	**24 - 12**
IEC 60947-7-1 / IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
250[1])	300	300	-
24[1]) / 2.5	15 / -	15 / -	-
2.5	-	-	-
24 - 12	30-14	28-14	-
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
16[1]) / -	- / -	- / -	- / -
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
0.2 - 1	0.2 - 1	0.25 - 1	- 0.5 - 1
4	2.5		
8			
M3			
0.5 - 0.6			
PA			
V2			

Type	I_{max}	Order No.	Pcs. / Pkt.
DOKD 1,5-TG		**3011054**	50
EB 10- DIK GY	26 A	**2715937**	10
EB 10- DIK RD	26 A	**2716774**	10
EB 10- DIK BU	26 A	**2716680**	10
EB 80- DIK BU	26 A	**2715940**	1
EB 80- DIK RD	26 A	**2715953**	1
EB 80- DIK WH	26 A	**2715788**	1
ATP-DIKD 1,5		**1413285**	50
SZS 0,6X3,5		**1205053**	10
SK 6,2/3,8 (see page 503)			
ZB 6 (see page 487)			

Four-level sensor and actuator terminal blocks VIOK 1,5...



The **VIOK 1,5** is a combination of the DIK/DOK terminal blocks documented on the previous pages. The ground connection (PE) of these terminal blocks is located in the bottom level. Above this are the busbars for the positive and negative supply, and the connection for the signal line is accommodated in the top level.

This means that only one terminal block is needed for sensors and actuators.

The **VIOK 1,5-2D** model has two feed-through and two busbar levels. These are used for programmable or self-monitoring initiators which are additionally controlled via the second feed-through level.

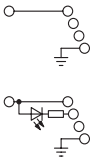
In the case of the VIOK 1,5-D/TG/D/PE, a connector division is integrated in the second level from above. Therefore, the positive potential of the initiator can be transmitted via a fuse connector or for maintenance and test purposes an isolating connector. The relevant accessories are documented, refer to page 388.

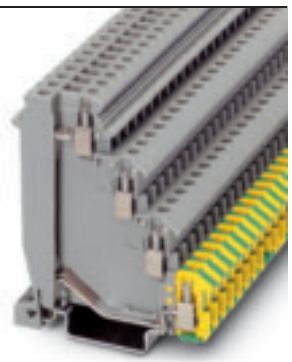
Current carrying capacity of DIN rails, see page 728.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) Current and voltage are determined by the connector used.

[2]) When using EB insertion bridges, the nominal voltage is reduced to 250 V.





VIOK 1,5

Dimensions					
	[mm]	Width	Length	Height NS 35/7,5	
		6.2	**62.5**	**70**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		26	**250**	**0.2 - 4**	**24 - 12**
Rated data		IEC 60947-7-1 / IEC 60947-7-2			
		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	250	300	300	-
Nominal current / cross-section	[A] / [mm²]	24 / 2.5	15 / -	15 / -	-
Rated cross-section	[mm²]	2.5	-	-	-
Cross-section range	AWG	24 - 12	30-14	28-14	-
Disconnect level rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Nominal current / cross-section	[A] / [mm²]	- / -	- / -	- / -	- / -
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
Two conductors (of the same type)	[mm²]	0.2 - 1	0.2 - 1	0.25 - 1	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1
Max. cross-section with insertion bridge	[mm²]	4	2.5		
General data					
Stripping length	[mm]	8			
Screw thread		M3			
Tightening torque	[Nm]	0.5 - 0.6			
Insulating material		PA			
Inflammability class acc. to UL 94		V2			

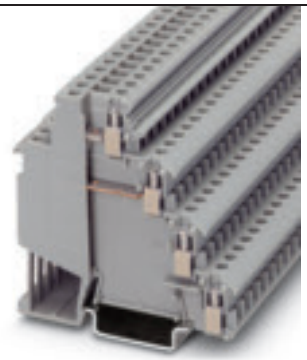
Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		Gray	**VIOK 1,5**		**2718015**	50
Terminal block, with **red (RD)** LED between the upper level and the level below it, for mounting on NS 35...		Gray	**VIOK 1,5-LA 24RD/O-MO**		**2718028**	50
Terminal block, with **green (GN)** LED between the upper level and the level below it, for mounting on NS 35...		Gray	**VIOK 1,5-LA 24GN/O-MO**		**2718112**	50
Terminal block, with two through contacts, for mounting on NS 35...		Gray				
Terminal block, with three through contacts, for mounting on NS 35...		Gray				
Basic terminal block, with two through contacts, for mounting on NS 35...		Gray				

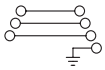
Accessories

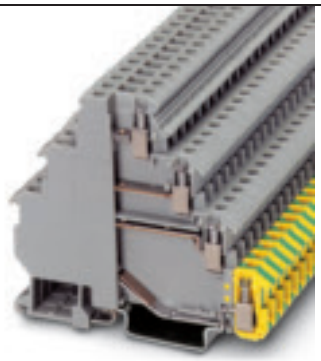
Insertion bridge, for middle and lower levels, fully insulated						
	10	Gray	**EB 10- DIK GY**	26 A	**2715937**	10
	10	Red	**EB 10- DIK RD**	26 A	**2716774**	10
Divisible	10	Blue	**EB 10- DIK BU**	26 A	**2716680**	10
Divisible	80	Blue	**EB 80- DIK BU**	26 A	**2715940**	1
	80	Red	**EB 80- DIK RD**	26 A	**2715953**	1
	80	White	**EB 80- DIK WH**	26 A	**2715788**	1
Fixed bridge, for cross connections in the terminal center, screw heads with insulating collar, divisible, with 10 screws						
	10	Silver	**FBI 10- 6**	26 A	**0203250**	10
Partition plate, for visual and electrical separation of terminal groups, 2 mm thick		Gray	**ATP-DIK 1,5**		**1413272**	50
Screwdriver			**SZS 0,6X3,5**		**1205053**	10
Marker strips, for middle and lower level			**SK 6,2/3,8 (see page 503)**			
Zack marker strip, flat, for labeling the middle levels						
Zack marker strip, 10-section, only for upper level			**ZB 6 (see page 487)**			





VIOK 1,5-2D





VIOK 1,5-3D/PE





VIOK 1,5-D/TG/D/PE

Disconnect zone in the second level

Width	Length	Height NS 35/7,5	
6.2	**73**	**70**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
26	**250**	**0.2 - 4**	**24 - 12**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
250	300	300	-
24 / 2.5	15 / -	15 / -	-
2.5	-	-	-
24 - 12	30-14	28-14	-
IEC	UL / CUL	CSA	IEC/ EN 60079-7
- / -	- / -	- / -	- / -
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
0.2 - 1	0.2 - 1	0.25 - 1	-
			0.5 - 1
4	2.5		
8			
M3			
0.5 - 0.6			
PA			
V2			

Type	I_{max}	Order No.	Pcs. / Pkt.
VIOK 1,5-2D		**2718196**	50
EB 10- DIK GY	26 A	**2715937**	10
EB 10- DIK RD	26 A	**2716774**	10
EB 10- DIK BU	26 A	**2716680**	10
EB 80- DIK BU	26 A	**2715940**	1
EB 80- DIK RD	26 A	**2715953**	1
EB 80- DIK WH	26 A	**2715788**	1
FBI 10- 6	26 A	**0203250**	10
ATP-DIKD 1,5		**1413285**	50
SZS 0,6X3,5		**1205053**	10
SK 6,2/3,8 (see page 503)			
ZB 6 (see page 487)			

Width	Length	Height NS 35/7,5	
6.2	**82.5**	**70**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
26	**400[2])**	**0.2 - 4**	**24 - 12**
IEC 60947-7-1 / IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400[2])	300	300	-
24 / 2.5	15 / -	15 / -	-
2.5	-	-	-
24 - 12	30-14	28-14	-
IEC	UL / CUL	CSA	IEC/ EN 60079-7
- / -	- / -	- / -	- / -
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
0.2 - 1	0.2 - 1	0.25 - 1	-
			0.5 - 1
4	2.5		
8			
M3			
0.5 - 0.6			
PA			
V2			

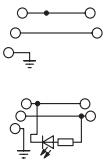
Type	I_{max}	Order No.	Pcs. / Pkt.
VIOK 1,5-3D/PE		**2718206**	50
EB 10- DIK GY	26 A	**2715937**	10
EB 10- DIK RD	26 A	**2716774**	10
EB 10- DIK BU	26 A	**2716680**	10
EB 80- DIK BU	26 A	**2715940**	1
EB 80- DIK RD	26 A	**2715953**	1
EB 80- DIK WH	26 A	**2715788**	1
FBI 10- 6	26 A	**0203250**	10
ATP-DIKD 1,5		**1413285**	50
SZS 0,6X3,5		**1205053**	10
SK 6,2/3,8 (see page 503)			
ZB 6 (see page 487)			

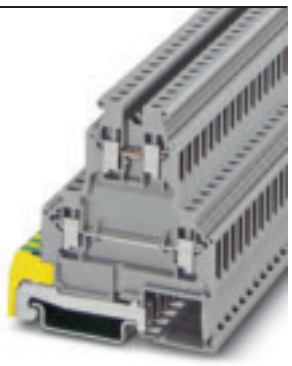
Width	Length	Height NS 35/7,5	
6.2	**91.5**	**70**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
24[1])	**250[1])**	**0.2 - 4**	**24 - 12**
IEC 60947-7-1 / IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
250[1])	300	300	-
24[1]) / 2.5	15 / -	15 / -	-
2.5	-	-	-
24 - 12	30-14	28-14	-
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
16 / 1.5	- / -	- / -	- / -
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
0.2 - 1	0.2 - 1	0.25 - 1	-
			0.5 - 1
4	2.5		
8			
M3			
0.5 - 0.6			
PA			
V2			

Type	I_{max}	Order No.	Pcs. / Pkt.
VIOK 1,5-D/TG/D/PE		**3011067**	50
EB 10- DIK GY	26 A	**2715937**	10
EB 10- DIK RD	26 A	**2716774**	10
EB 10- DIK BU	26 A	**2716680**	10
EB 80- DIK BU	26 A	**2715940**	1
EB 80- DIK RD	26 A	**2715953**	1
EB 80- DIK WH	26 A	**2715788**	1
ATP-DIK 1,5		**1413272**	50
SZS 0,6X3,5		**1205053**	10
SK 6,2/3,8 (see page 503)			
ZBF 6 (see page 493)			
ZB 6 (see page 487)			

Multi-level terminal blocks SLKK ... and DLK...







SLKK 5...

Current carrying capacity of DIN rails, see page 728.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) The voltage is determined by the light indicator (only for SLKK 5-LA...)

In addition to the two laterally offset feed-through levels, these terminal blocks with grounding foot have a ground connection to the DIN rail which acts as a grounding busbar. This allows space-saving and systematic wiring of 3-wire conductors. This is of particular advantage for controllers with external actuators, solenoid valves and limit switches.

The SLKK 5-LA with integrated light indicator optically indicates the voltage condition of the lower feed-through level.

The FBI 10-6 fixed bridge is used on the upper level to connect the return lines for the light indicators and the external circuits to form a common busbar.

Three-conductor terminal blocks DLK

The three-conductor terminal blocks DLK 2,5-PE and DLKB 2,5-PE are particularly suited to wiring three-phase current consumers due to their structure with three feed-through levels plus a ground connection.

Each individual connection can be labeled. This allows a clear and unambiguous arrangement of the connections.

The DLKB 2,5-PE version can also be bridged in the middle and lower levels using the insertion bridges EB ... -DIK with up to 80 positions. This reduces the amount of wiring considerably.

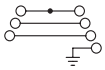
Dimensions		Width	Length	Height NS 35/7,5
	[mm]	**6.2**	**66.5**	**69.5**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²] / AWG
		34	**500[1])**	**0.2 - 4 / 24 - 10**
Rated data		IEC 60947-7-1 / IEC 60947-7-2		
		IEC	UL / CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	500[1])	600	600 / -
Nominal current / cross-section	[A] / [mm²]	34 / 4	30 / -	25 / -
Rated cross-section	[mm²]	4	-	-
Cross-section range	AWG	24 - 10	26-10	28-12 / -
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve
One conductor	[mm²]	0.2 - 4	0.2 - 4	0.25 - 4 / 0.25 - 2.5
Two conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5 / -
Two stranded conductors with a TWIN ferrule	[mm²]			0.5 - 1.5
Max. cross-section with insertion bridge	[mm²]	4	2.5	
General data				
Stripping length	[mm]	8		
Screw thread		M3		
Tightening torque	[Nm]	0.6 - 0.8		
Insulating material		PA		
Inflammability class acc. to UL 94		V0		

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Double-level terminal block, with protective conductor foot, for mounting on NS 35...		Gray	**SLKK 5**		**0461018**	50
Double-level terminal block, with protective conductor foot, for mounting on NS 35..., with light indicator for 15-30 V AC/DC		Gray	**SLKK 5-LA 24 RD/U-O**		**0461021**	50
With LED for 30-60 V AC/DC		Gray	**SLKK 5-LA 60 RD/U-O**		**0461034**	50
With LED for 110-230 V AC/DC		Gray	**SLKK 5-LA230**		**0461047**	50
Four-conductor terminal block, for mounting on NS 35...		Gray				

Accessories

Cover, width 2.5 mm		Gray	**D-UKK 3/5**		**2770024**	50
Spacer cover, compensates for level offset if standard terminal blocks are to be fitted adjacently, 2.5 mm thick		Gray	**DG-UKK 3/5**		**2770817**	50
Insertion bridge, for middle and lower levels, fully insulated						
	10	Gray				
	10	Red				
Divisible	10	Blue				
Divisible	80	Blue				
	80	Red				
	80	White				
Insertion bridge, fully insulated						
	2	Gray	**EB 2- 6**	26 A	**0201155**	100
	3	Gray	**EB 3- 6**	26 A	**0201142**	100
	10	Gray	**EB 10- 6**	26 A	**0201139**	10
Fixed bridge, for cross connections in the terminal center, screw heads with insulating collar, divisible, with 10 screws						
	10	Silver	**FBI 10- 6**	32 A	**0203250**	10
Separating disk, for electrical separation of neighboring bridges, can be fitted later, no loss of pitch		Gray	**TS-KK 3**		**2770215**	50
Screwdriver			**SZS 0,6X3,5**		**1205053**	10
Zack marker strip, for labeling the lateral groove			**ZB 6 (see page 487)**			



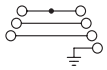


DLKB 2,5-PE

Width	Length	Height NS 35/7,5	
6.2	**83.5**	**70**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
26	**400**	**0.2 - 4**	**24 - 12**
IEC 60947-7-1 / IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	300	300	-
24 / 2.5	15 / -	15 / -	-
2.5	-	-	-
24 - 12	30-14	28-12	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
0.2 - 1	0.2 - 1	0.25 - 1	-
			0.5 - 1
4	2.5		
8			
M3			
0.5 - 0.6			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
DLKB 2,5-PE		**3011038**	50

EB 10- DIK GY	26 A	**2715937**	10
EB 10- DIK RD	26 A	**2716774**	10
EB 10- DIK BU	26 A	**2716680**	10
EB 80- DIK BU	26 A	**2715940**	1
EB 80- DIK RD	26 A	**2715953**	1
EB 80- DIK WH	26 A	**2715788**	1
FBI 10- 6	26 A	**0203250**	10
SZS 0,6X3,5		**1205053**	10
ZB 6 (see page 487)			

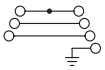


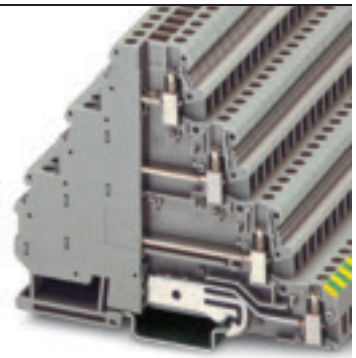


DLK 2,5-PE

Width	Length	Height NS 35/7,5	
6.2	**83**	**70**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
26	**400**	**0.2 - 4**	**24 - 12**
IEC 60947-7-1 / IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	300	300	-
24 / 2.5	15 / -	15 / -	-
2.5	-	-	-
24 - 12	30-14	28-12	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
0.2 - 1	0.2 - 1	0.25 - 1	-
			0.5 - 1
8			
M3			
0.5 - 0.6			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
DLK 2,5-PE		**3011041**	50
FBI 10- 6	26 A	**0203250**	10
SZS 0,6X3,5		**1205053**	10
ZB 6 (see page 487)			





DLK 4-PE

Width	Length	Height NS 35/7,5	
6.2	**103.5**	**86.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
34	**400**	**0.2 - 6**	**24 - 10**
IEC 60947-7-1 / IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	600	-	-
32 / 4	30 / -	- / -	-
4	-	-	-
24 - 10	30-10	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 4
0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
			0.5 - 1.5
8			
M3			
0.5 - 0.6			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
DLK 4-PE		**3011999**	50
FBI 10- 6	30 A	**0203250**	10
SZS 0,6X3,5		**1205053**	10
ZB 6 (see page 487)			

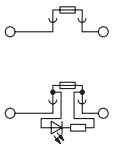
Lever-type fuse terminal blocks
UKK ...-HESI

For further technical notes on power dissipation, refer to page 729.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) If the fuse is faulty, the downstream circuit is not off load.

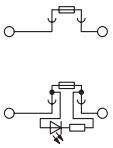
[2]) The current is determined by the fuse used, the voltage by the light indicator. Observe max. power dissipation.





UK 5-HESI...

For G fuse inserts 5 x 20 mm





UK 6,3-HESI...

For G fuse inserts 6.3 x 32 mm

Dimensions		Width	Length	Height NS 35/7,5		Width	Length	Height NS 35/7,5	
	[mm]	**8.2**	**72.5**	**56.5**		**10.2**	**79**	**60.5**	
Dimensions		Width	Length	Height NS 32		Width	Length	Height NS 32	
	[mm]	**8.2**	**72.5**	**61.5**		**10.2**	**79**	**65**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG	$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		6.3[2])	**500[2])**	**0.2 - 4**	**24 - 12**	**10[2])**	**500[2])**	**0.5 - 16**	**20 - 6**
Rated data		IEC 60947-7-3 IEC	UL / CUL	CSA	IEC/ EN 60079-7	IEC 60947-7-3 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500[2])	600	600	-	500[2])	600	600	-
Nominal current / cross-section	[A] / [mm²]	6.3[2]) / 1	12 / -	6.3 / -	-	10[2]) / 1.5	10 / -	25 / -	-
Rated cross-section	[mm²]	4	-	-	-	16	-	-	-
Cross-section range	AWG	24 - 12	26-10	28-10	-	20 - 6	26-8	26-8	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 4	0.5 - 16	0.5 - 16	0.5 - 10	0.5 - 10
Two conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-	0.5 - 4	0.5 - 4	0.5 - 4	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1.5				0.5 - 6
Max. cross-section with insertion bridge	[mm²]	4	4			10	10		
General data									
Fuse type / dimensions	– / [mm]	G / 5 x 20 / 5 x 25 / 5 x 30				G / 6,3 x 32			
Stripping length	[mm]	8				12			
Screw thread		M3				M4			
Tightening torque	[Nm]	0.5 - 0.8				1.2 - 1.5			
Insulating material		PA				PA			
Inflammability class acc. to UL 94		V2				V2			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.	Type	I_{max}	Order No.	Pcs. / Pkt.
Fuse terminal block, for mounting on NS 32... or NS 35..., for cartridge fuse inserts 5 x 20, 5 x 25 and 5 x 30 mm		Black	**UK 5-HESI**		**3004100**	50				
Fuse terminal block, for mounting on NS 32... or NS 35..., for cartridge fuse inserts 6.3 x 32 mm		Black					**UK 6,3-HESI**		**3004171**	50
Fuse terminal block, for mounting on NS 32... or NS 35..., for cartridge fuse inserts, with light indicator 12-30 V AC/DC[1])		Black	**UK 5-HESILED 24**		**3004126**	50	**UK 6,3-HESILED 24**		**3004265**	50
With LED for 110-250 V AC/DC		Black	**UK 5-HESILA 250**		**3004142**	50	**UK 6,3-HESILA 250**		**3004249**	50

Accessories

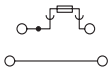
Insertion bridge, divisible, fully insulated										
	2	Gray	**EBS 2- 8**	32 A	**3118151**	100	**EB 2-10**	63 A	**0203153**	100
	3	Gray	**EBS 3- 8**	32 A	**3118148**	50				
	10	Gray	**EBS 10- 8**	32 A	**3118135**	10				
Connection pin, for coupling several fuse terminal blocks, made of plastic, 1 m long		White	**VS**		**3004207**	1	**VS**		**3004207**	1
Screwdriver			**SZS 0,6X3,5**		**1205053**	10	**SZS 1,0X4,0**		**1205066**	10
Zack marker strip, for labeling the lateral groove			**ZB 8 (see page 489)**				**ZB 10 (see page 489)**			
Zack marker strip, for lever labeling							**ZB 8 (see page 489)**			

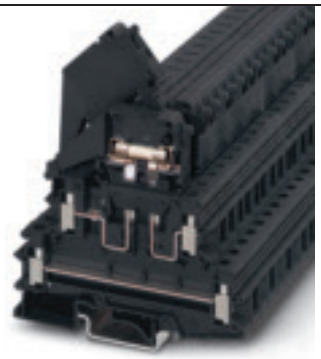
Lever-type fuse terminal blocks UKK ...-HESI

For further technical notes on power dissipation, refer to page 729.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

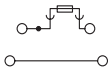
1) The current is determined by the fuse used, the voltage by the light indicator. Observe max. power dissipation.





UKK 5-HESI (5 x 20)

For G fuse inserts 5 x 20 mm





UKK 5-HESI (6,3X32)

For G fuse inserts 6.3 x 32 mm

Dimensions		Width	Length	Height NS 35/7,5		Width	Length	Height NS 35/7,5	
	[mm]	**8.2**	**86.5**	**79**		**8.2**	**86.5**	**79**	
Dimensions		Width	Length	Height NS 32		Width	Length	Height NS 32	
	[mm]	**8.2**	**86.5**	**84**		**8.2**	**86.5**	**84**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG	$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		32[1])	**400[1])**	**0.2 - 4**	**24 - 12**	**32[1])**	**400[1])**	**0.2 - 4**	**24 - 12**
Rated data, lower level		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7	IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400[1])	600	-	-	400[1])	600	-	-
Nominal current / cross-section	[A] / [mm²]	32[1]) / 4	30 / -	- / -	- / -	32[1]) / 4	30 / -	- / -	- / -
Rated cross-section	[mm²]	4	-	-	-	4	-	-	-
Cross-section range	AWG	24 - 12	26-10	-	-	24 - 12	26-10	-	-
Rated data, upper level		IEC 60947-7-3 IEC	UL / CUL	CSA	IEC/ EN 60079-7	IEC 60947-7-3 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400[1])	600	-	-	400[1])	600	-	-
Nominal current / cross-section	[A] / [mm²]	6.3[1]) / 1	15 / -	- / -	- / -	10[1]) / 1.5	15 / -	- / -	- / -
Rated cross-section	[mm²]	4	-	-	-	4	-	-	-
Cross-section range	AWG	24 - 12	26-10	-	-	24 - 12	26-10	-	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 4	0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 4
Two conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1.5				0.5 - 1.5
Max. cross-section with insertion bridge	[mm²]	4	2.5			4	2.5		
General data									
Fuse type / dimensions	– / [mm]	G / 5 x 20				G / 6,3 x 32			
Stripping length	[mm]	8				8			
Screw thread		M3				M3			
Tightening torque	[Nm]	0.5 - 0.8				0.5 - 0.8			
Insulating material		PA				PA			
Inflammability class acc. to UL 94		V0				V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.	Type	I_{max}	Order No.	Pcs. / Pkt.
Fuse terminal block, for mounting on NS 32... or NS 35..., for cartridge fuse inserts 5 x 20 mm.		Black	**UKK 5-HESI (5X20)**		**3007204**	50				
Fuse terminal block, for mounting on NS 32... or NS 35..., for cartridge fuse inserts 6.3 x 32 mm.		Black					**UKK 5-HESI (6,3X32)**		**3007217**	50

Accessories

Fixed bridge, for cross connections in the terminal center, screw heads with insulating collar, divisible, with 10 screws	10	Silver	**FBRI 10-8 N**	32 A	**2772080**	10	**FBRI 10-8 N**	32 A	**2772080**	10
Insertion bridge, divisible, fully insulated	2	Gray	**EBS 2- 8**	32 A	**3118151**	100	**EBS 2- 8**	32 A	**3118151**	100
	3	Gray	**EBS 3- 8**	32 A	**3118148**	50	**EBS 3- 8**	32 A	**3118148**	50
	10	Gray	**EBS 10- 8**	32 A	**3118135**	10	**EBS 10- 8**	32 A	**3118135**	10
Screwdriver			**SZS 0,6X3,5**		**1205053**	10	**SZS 0,6X3,5**		**1205053**	10
Zack marker strip, for labeling the lateral groove			**ZB 8 (see page 489)**				**ZB 8 (see page 489)**			
Zack marker strip, flat, for lever labeling			**ZBF 8 (see page 493)**				**ZBF 8 (see page 493)**			

Lever-type fuse terminal blocks UKK ...-HESI

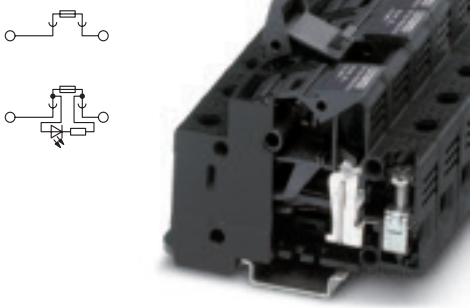
The UK 10,3-HESI N is a fuse terminal block with disconnect lever for 10.3 x 38 mm fuses and is used mainly in the USA.

When selecting and using cartridge fuse terminal blocks and inserts, IEC 60127-6/DIN EN 60127-6 should be adhered to.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

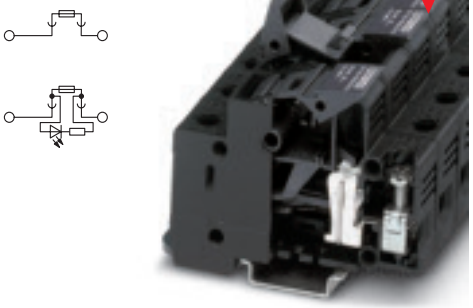
1) If the fuse is faulty, the downstream circuit is not off load.

2) The current and voltage are determined by the fuse.



UK 10,3-HESI... N ...

For midget fuse inserts 10.3 x 38 mm



UK 10,3-HESI 1000V

For midget fuse inserts 10.3 x 38 mm

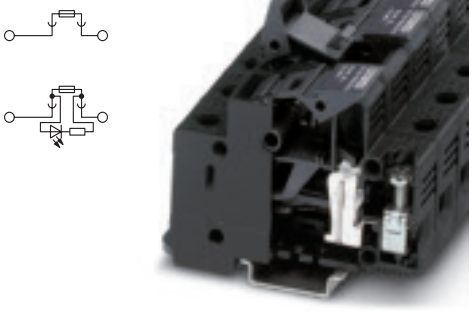
Dimensions		Width	Length	Height NS 35/7,5		Width	Length	Height NS 35/7,5	
	[mm]	**18**	**81**	**65.5**		**17.5**	**81**	**65.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG	$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		32²)	**690²)**	**1.5 - 25**	**16 - 4**	**32²)**	**1000²)**	**1.5 - 25**	**16 - 4**
Rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7	IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	690²)	600	600	-	1000²)	-	-	-
Nominal current / cross-section	[A] / [mm²]	32²) / 16	30 / -	30 / -	-	32²) / 16	- / -	- / -	-
Rated cross-section	[mm²]	16	-	-	-	16	-	-	-
Cross-section range	AWG	16 - 4	18-3	18-3	-	16 - 4	-	-	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	1.5 - 25	1.5 - 16	1.5 - 16	1.5 - 16	1.5 - 25	1.5 - 16	1.5 - 16	1.5 - 16
Two conductors (of the same type)	[mm²]	1.5 - 4	1.5 - 4	1.5 - 4	-	1.5 - 4	1.5 - 4	1.5 - 4	-
Two stranded conductors with a TWIN ferrule	[mm²]				1.5 - 10				1.5 - 10
Max. cross-section with insertion bridge	[mm²]	10	10			10	10		
General data									
Fuse type / dimensions	– / [mm]	Midget / 10.3 x 38				Midget / 10.3 x 38			
Stripping length	[mm]	12				12			
Screw thread		M5				M5			
Tightening torque	[Nm]	2.5 - 3				2.5 - 3			
Insulating material		PA				PA			
Inflammability class acc. to UL 94		V0				V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.	Type	I_{max}	Order No.	Pcs. / Pkt.
Fuse terminal block, for mounting on NS 35..., for Midget fuse inserts 10.3 x 38 mm¹)		Black	**UK 10,3-HESI N**		**3048386**	10	**UK 10,3-HESI 1000V**		**3211236**	10
With light indicator for 220 - 690 V AC/DC		Black	**UK 10,3-HESILED N 690**		**3048399**	10				
With light indicator for 220 - 1000 V AC/DC		Black					**UK 10,3 HESILED 1000V**		**3211249**	10
Fuse terminal block, for mounting on NS 35..., for fuse inserts CLASS CC 10.3 x 38 mm		Black								
Fuse terminal block, for mounting on NS 35..., for fuse inserts CLASS J 20.6 x 57 mm¹)		Black								
With light indicator		Black								
Fuse terminal block, for mounting on NS 35..., for fuse inserts CLASS J 27 x 60 mm¹)		Black								
With light indicator		Black								

Accessories

Insertion bridge, divisible, insulated spine										
1-phase	56	Gray	**EB 56-18**	76 A	**3009299**	5	**EB 56-18**	76 A	**3009299**	5
3-phase	56	Gray	**EB 56-18/L1-L2-L3**	76 A	**3009367**	5	**EB 56-18/L1-L2-L3**	76 A	**3009367**	5
Connection pin, for connecting several fuse terminal blocks			**VS-UK 10,3-HESI N 2POL**		**3048532**	10	**VS-UK 10,3-HESI N 2POL**		**3048532**	10
			VS-UK 10,3-HESI N 3POL		**3048409**	10	**VS-UK 10,3-HESI N 3POL**		**3048409**	10
Screwdriver			**SZS 0,6X3,5**		**1205053**	10	**SZS 0,6X3,5**		**1205053**	10
Zack marker strip, flat, for labeling the center groove			**ZBF 10 (see page 494)**				**ZBF 10 (see page 494)**			



UK 10,3-CC HESI N

For CLASS CC fuse inserts 10.3 x 38 mm

Width	Length	Height NS 35/7,5	
18	**81**	**65.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
30[2])	**600[2])**	**1.5 - 25**	**16 - 4**
IEC	UL / CUL	CSA	IEC/ EN 60079-7
600[2])	-	600	-
32[2]) / 25	- / -	30 / -	-
25	-	-	-
16 - 4	-	18-4	-
Solid	Stranded	Ferrule without / with plastic sleeve	
1.5 - 25	1.5 - 25	1.5 - 16	1.5 - 16
1.5 - 4	1.5 - 4	1.5 - 4	-
			1.5 - 10
10	10		
Class CC			
12			
M5			
2.5 - 3			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
UK 10,3-CC HESI N		**3048580**	10
EB 56-18	76 A	**3009299**	5
EB 56-18/L1-L2-L3	76 A	**3009367**	5
VS-UK 10,3-HESI N 2POL		**3048532**	10
VS-UK 10,3-HESI N 3POL		**3048409**	10
SZS 0,6X3,5		**1205053**	10
ZBF 10 (see page 494)			

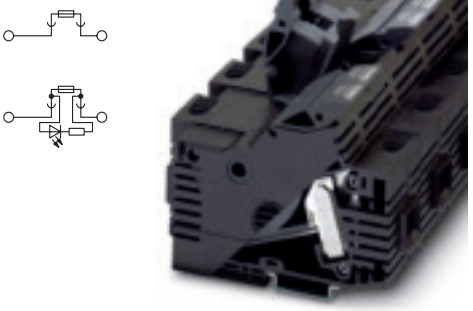


UK 20,6-J HESI...

For CLASS J fuse inserts 20.6 x 57 mm

Width	Length	Height NS 35/7,5	
35.5	**115**	**85.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
30[2])	**600[2])**	**2.5 - 50**	**14 - 1**
IEC	UL / CUL	CSA	IEC/ EN 60079-7
600[2])	-	600	-
30[2]) / 50	- / -	30 / -	-
50	-	-	-
14 - 1	-	18-1	-
Solid	Stranded	Ferrule without / with plastic sleeve	
2.5 - 50	2.5 - 50	2.5 - 50	2.5 - 50
2.5 - 16	2.5 - 16	2.5 - 16	-
			2.5 - 16
Class J / 20.6 x 57			
20			
M6			
3.5 - 4			
PA			
V0			

Type	Order No.	Pcs. / Pkt.
UK 20,6-J HESI	**3211058**	6
UK 20,6-J HESILED	**3211087**	6
VS-UK 20,6-J HESI 2POL	**3211171**	10
VS-UK 20,6-J HESI 3POL	**3211184**	10
SZF 2-0,8X4,0	**1204520**	10
ZBF 12 (see page 494)		



UK 27-J HESI...

For CLASS J fuse inserts 27 x 60 mm

Width	Length	Height NS 35/7,5	
40	**118**	**89**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
60[2])	**600[2])**	**2.5 - 50**	**14 - 1**
IEC	UL / CUL	CSA	IEC/ EN 60079-7
600[2])	-	600	-
60[2]) / 50	- / -	60 / -	-
50	-	-	-
14 - 1	-	14-1	-
Solid	Stranded	Ferrule without / with plastic sleeve	
2.5 - 50	2.5 - 50	2.5 - 50	2.5 - 50
2.5 - 16	2.5 - 16	2.5 - 16	-
			2.5 - 16
Class J / 27 x 60			
20			
M6			
3.5 - 4			
PA			
V0			

Type	Order No.	Pcs. / Pkt.
UK 27-J HESI	**3211113**	6
UK 27-J HESILED	**3211142**	6
VS-UK 27-J HESI 2POL	**3211197**	10
VS-UK 27-J HESI 3POL	**3211207**	10
SZF 2-0,8X4,0	**1204520**	10
ZBF 12 (see page 494)		

Fuse terminal blocks with screw cap
UK 10-DREHSI

The UK 10-DREHSI with screw cap, which can be jumpered with a fixed jumper FBI..., is designed for 5 x 20, 5 x 25 or 6.3 x 32 mm fuse formats. The fuses are inserted in the terminal block with the screw cap. The terminal block is available with a light indicator which signalizes when the fuse blows.

When selecting and using cartridge fuse terminal blocks and inserts, IEC 60127-6/DIN EN 60127-6 should be observed.

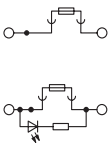
UK 10-DREHSI/K is suitable for fuse inserts with indicator pins. These inserts enable quick identification of the triggered fuse through the viewing glass.

For further technical notes on power dissipation, refer to page 729.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) If the fuse is faulty, the downstream circuit is not off load.

[2]) The current is determined by the fuse used, the voltage by the light indicator. Observe max. power dissipation.





UK 10-DREHSI... (5X20)

For G fuse inserts 5 x 20 mm

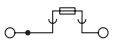
Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**12**	**62**	**57.2**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**12**	**62**	**62.1**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		10[2])	**500[2])**	**0.5 - 16**	**20 - 6**
Rated data		IEC 60947-7-3 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500[2])	300	300	-
Nominal current / cross-section	[A] / [mm²]	10[2]) / 1.5	20 / -	20 / -	-
Rated cross-section	[mm²]	16	-	-	-
Cross-section range	AWG	20 - 6	24-6	22-6	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.5 - 16	0.5 - 16	0.5 - 10	0.5 - 10
Two conductors (of the same type)	[mm²]	0.5 - 4	0.5 - 4	0.5 - 4	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 10
Max. cross-section with insertion bridge	[mm²]	10	10		
General data					
Fuse type / dimensions	– / [mm]	G / 5 x 20			
Stripping length	[mm]	11			
Screw thread		M4			
Tightening torque	[Nm]	1.5 - 1.8			
Insulating material		PA			
Inflammability class acc. to UL 94		V2			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Fuse terminal block, for mounting on NS 32... or NS 35..., for cartridge fuse inserts 5 x 20, 5 x 25, 6.3 x 32 mm		Black	**UK 10-DREHSI (5X20)**		**3005109**	50
.../K with indicator pin		Black				
Fuse terminal block, for mounting on NS 32... or NS 35..., for cartridge fuse inserts 5 x 20, 6.3 x 32 mm, with light indicator for 5-15 V DC[1])		Black	**UK 10-DREHSILED 12 (5X20)**		**3005112**	50
Fuse terminal block, for mounting on NS 32... or NS 35..., for cartridge fuse inserts 5 x 20, 6.3 x 32 mm, with light indicator for 15-30 V DC[1])		Black	**UK 10-DREHSILED 24 (5X20)**		**3005138**	50
Fuse terminal block, for mounting on NS 32... or NS 35..., for cartridge fuse inserts 5 x 20, 6.3 x 32 mm, with light indicator for 30-60 V DC[1])		Black	**UK 10-DREHSILED 60 (5X20)**		**3005154**	50
Fuse terminal block, for mounting on NS 32... or NS 35..., for cartridge fuse inserts 5 x 20, 6.3 x 32 mm, with light indicator for 110-250 V DC[1])		Black	**UK 10-DREHSILA 250 (5X20)**		**3005170**	50

Accessories

Fixed bridge, for cross connections in the terminal center, screw heads with insulating collar, divisible, with 10 screws	10	Silver	**FBI 10-12**	63 A	**0203454**	10
Insertion bridge, divisible, insulated spine	10	Gray	**EB 10-12**	63 A	**3006137**	10
Test socket, for test connection with PS test plug		Silver	**PSB 4/7/6**		**0303299**	10
Test socket, insulated, for UK 6 N, UK 10 N and URTK/SP terminal blocks, M4 thread		Transparent	**PSBJ 4/15/6 FARBLOS**		**0303419**	10
Screwdriver			**SZS 1,0X4,0**		**1205066**	10
Zack marker strip, for labeling the lateral groove			**ZB 6 (see page 487)**			





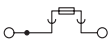
UK 10-DREHSI/K (5X25)

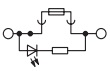
With indicator pins

Width	Length	Height NS 35/7,5	
12	**62**	**57.2**	
Width	Length	Height NS 32	
12	**62**	**62.1**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
10²)	**500²)**	**0.5 - 16**	**20 - 6**
IEC 60947-7-3			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500²)	300	-	-
10²) / 1.5	20 / -	- / -	-
16	-	-	-
20 - 6	24-6	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.5 - 16	0.5 - 16	0.5 - 10	0.5 - 10
0.5 - 4	0.5 - 4	0.5 - 4	- 0.5 - 10
10	10		
G / 5 x 25			
11			
M4			
1.5 - 1.8			
PA			
V2			

Type	I_{max}	Order No.	Pcs. / Pkt.
UK 10-DREHSI/K (5X25)		**3005688**	50

Type		Order No.	Pcs. / Pkt.
FBI 10-12	63 A	**0203454**	10
EB 10-12	63 A	**3006137**	10
PSB 4/7/6		**0303299**	10
PSBJ 4/15/6 FARBLOS		**0303419**	10
SZS 1,0X4,0		**1205066**	10
ZB 6 (see page 487)			







UK 10-DREHSI... (6,3X32)

For G fuse inserts 6.3 x 32 mm

Width	Length	Height NS 35/7,5	
12	**62**	**57.2**	
Width	Length	Height NS 32	
12	**62**	**62.1**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
10²)	**500²)**	**0.5 - 16**	**20 - 6**
IEC 60947-7-3			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500²)	300	300	-
10²) / 1.5	20 / -	20 / -	-
16	-	-	-
20 - 6	24-6	22-6	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.5 - 16	0.5 - 16	0.5 - 10	0.5 - 10
0.5 - 4	0.5 - 4	0.5 - 4	- 0.5 - 10
10	10		
G / 6,3 x 32			
11			
M4			
1.5 - 1.8			
PA			
V2			

Type	I_{max}	Order No.	Pcs. / Pkt.
UK 10-DREHSI (6,3X32)		**3005507**	50
UK 10-DREHSILED 24 (6,3X32)		**3005646**	50
UK 10-DREHSILED 60 (6,3X32)		**3005659**	50
UK 10-DREHSILA 250 (6,3X32)		**3005662**	50

Type		Order No.	Pcs. / Pkt.
FBI 10-12	63 A	**0203454**	10
EB 10-12	63 A	**3006137**	10
PSB 4/7/6		**0303299**	10
PSBJ 4/15/6 FARBLOS		**0303419**	10
SZS 1,0X4,0		**1205066**	10
ZB 6 (see page 487)			

UK-SI and USIG fuse terminal blocks

In the case of the UK-SI fuse terminal block, the cartridge fuse inserts are connected with an insulating material connector in the terminal block.

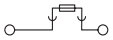
For further technical notes on power dissipation, refer to page 729.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

Attention:
The cartridge fuse holders should be selected according to the maximum power dissipation (self-heating) of the cartridge fuse inserts.

1) If the fuse is faulty, the downstream circuit is not off load.

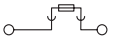
2) The current and voltage are determined by the fuse.





UK-SI ...

Complete with fuse connector





USIG ...

Dimensions		Width	Length	Height NS 35/7,5		Width	Length	Height NS 35/7,5	
	[mm]	**8.2**	**59.5**	**58**		**10.2**	**61**	**51.6**	
Dimensions		Width	Length	Height NS 32		Width	Length	Height NS 32	
	[mm]	**8.2**	**59.5**	**63**		**10.2**	**61**	**59.1**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG	$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		6.3²)	**400²)**	**0.2 - 4**	**24 - 12**	**40²)**	**500²)**	**0.5 - 16**	**20 - 6**
Rated data		IEC 60947-7-3 IEC	UL / CUL	CSA	IEC/ EN 60079-7	IEC 60947-7-3 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400²)	300	250	-	500²)	600	600	-
Nominal current / cross-section	[A] / [mm²]	6.3²) / 1	10 / -	10 / -	-	10²) / 1.5	40 / -	40 / -	-
Rated cross-section	[mm²]	4	-	-	-	16	-	-	-
Cross-section range	AWG	24 - 12	28-12	24-14	-	20 - 6	18-8	24-8	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 4	0.5 - 16	0.5 - 16	0.5 - 16	0.5 - 10
Two conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-	0.5 - 4	0.5 - 6	0.5 - 6	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 2.5				0.5 - 6
General data									
Fuse type / dimensions	– / [mm]	G / 5 x 20 / 5 x 25				G / 5 x 20 / 5 x 25 / 5 x 30 / 6.3 x 32			
Stripping length	[mm]	9				13			
Screw thread		M3				M4			
Tightening torque	[Nm]	0.6 - 0.8				1.5 - 1.8			
Insulating material		PA				PA			
Inflammability class acc. to UL 94		V0				V2			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.	Type	I_{max}	Order No.	Pcs. / Pkt.
Fuse terminal block, for mounting on NS 32... or NS 35..., for cartridge fuse inserts 5 x 20, 5 x 25 mm		Black	**UK-SI**		**3118012**	50				
		Blue	**UK-SI BU**		**3118096**	50				
Basic fuse terminal block, for mounting on NS 32... or NS 35...		Black					**USIG**		**0920083**	50
		Blue					**USIG BU**		**0920122**	50

Accessories

Insertion bridge, divisible, fully insulated	2	Gray	**EBS 2- 8**	32 A	**3118151**	100	**EB 2-10**	76 A	**0203153**	100
	3	Gray	**EBS 3- 8**	32 A	**3118148**	50				
	10	Gray	**EBS 10- 8**	32 A	**3118135**	10	**EB 10-10**	76 A	**0203137**	10
Fuse connector, for G fuse inserts, 6.3 x 32 mm, nominal voltage 440 V		Black					**ST 1-SI**	10 A	**0920326**	50
Fuse connector, for G fuse inserts, 6.3 x 32 mm, nominal voltage 440 V¹)										
With light indicator for 15-30 V AC/DC, 3.2-7.5 mA							**ST 1-SILED 24**	10 A	**0920384**	50
With light indicator for 110-250 V AC/DC, 0.1-0.9 mA							**ST 1-SILA 250**	10 A	**0920397**	50
Isolating connector, for using the basic fuse terminal block as plug disconnect terminal block							**ST-T**	40 A	**0920216**	50
Partition plate, for visual and electrical separation of terminal groups, 0.8 mm thick		Gray					**ATS-GSK**		**0304227**	50
Fuse connector, for G fuse inserts 5 x 20, 5 x 25, 5 x 30 mm, $I_{max.}$ 6,3 A		Black					**ST-SI**		**0920229**	50
Fuse connector, for G fuse inserts 5 x 20, 5 x 25, 5 x 30 mm, with light indicator for 15-30 V AC/DC, 3.2-7.5 mA, $I_{max.}$ 6,3 A¹)		Black					**ST-SILED 24**		**0920452**	50
With light indicator for 110-250 V AC/DC, 0.1-0.9 mA, $I_{max.}$ 6,3 A		Black					**ST-SILA250**		**0920287**	50
Screwdriver			**SZS 0,6X3,5**		**1205053**	10	**SZS 1,0X4,0**		**1205066**	10
Zack marker strip, for labeling the lateral groove			**ZB 8 (see page 489)**				**ZB 10 (see page 489)**			

Flat fuse terminal block UK 6-FSI/C



The UK 6-FSI/C fuse terminal block has a universal foot for mounting on NS 32... or NS 35... DIN rails and can therefore be used in all control cabinets.

The fuse terminal block can be used as a basic terminal block for the TCP overload miniature circuit breaker. See page 458.

In order to clearly allocate the fuse inserts with the same color, a color coding CC-UK 6-FSI/C, which is included in the delivery of the flat-type fuse inserts, can be inserted in the terminal block. Versions with light indicator are available for quick error diagnosis "at a glance".



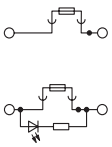
For matching fuse inserts, refer to page 458.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

1) If the fuse is faulty, the downstream circuit is not off load.

2) The current and voltage are determined by the fuse.

3) For derating curve, see page 453.





UK 6-FSI/C...

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**8.2**	**64**	**52**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**8.2**	**64**	**57**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		30 3)	**250 2)**	**0.2 - 10**	**24 - 8**
Rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	250 2)	300	32	-
Nominal current / cross-section	[A] / [mm²]	30 1) / 4	30 / -	30 / -	-
Rated cross-section	[mm²]	6	-	-	-
Cross-section range	AWG	24 - 8	26-8	26-8	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.2 - 10	0.2 - 6	0.25 - 6	0.25 - 4
Two conductors (of the same type)	[mm²]	0.2 - 2.5	0.2 - 2.5	0.25 - 2.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 4
General data					
Fuse type / dimensions	– / [mm]	C			
Stripping length	[mm]	10			
Screw thread		M4			
Tightening torque	[Nm]	1.5 - 1.6			
Insulating material		PA			
Inflammability class acc. to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Fuse terminal block, for mounting on NS 32... or NS 35...		Black	**UK 6-FSI/C**		**3118203**	50
Fuse terminal block, with universal foot, for mounting on NS 32... or NS 35..., with light indicator for 12 V DC, 1.7 mA 1)		Black	**UK 6-FSI/C-LED12**		**3001925**	50
With light indicator for 24 V DC, 1.9 mA 1)		Black	**UK 6-FSI/C-LED24**		**3001938**	50

Accessories

Fixed bridge, for cross connections in the terminal center, screw heads with insulating collar, divisible, with 10 screws	10	Silver	**FBI 10- 8**	34 A	**0203263**	10
Insertion bridge, fully insulated	2	Gray	**EB 2- 8**	57 A	**0202154**	100
	3	Gray	**EB 3- 8**	57 A	**0202141**	100
	10	Gray	**EB 10- 8**	57 A	**0202138**	10
Isolator bridge bar, divisible, with 10 screws, for switchable branches with **IS-K...**	10	Silver	**ISSBI 10- 8**	57 A	**0301534**	10
Bridge bar isolator, as distance piece for isolator bridge bar		Gray	**IS-K 10**		**1303337**	100
Separating disk, for electrical separation of neighboring bridges, can be fitted later, no loss of pitch		Gray	**TS-KK 3**		**2770215**	50
Screwdriver			**SZS 1,0X4,0**		**1205066**	10
Zack marker strip, for labeling the lateral groove			**ZB 8 (see page 489)**			

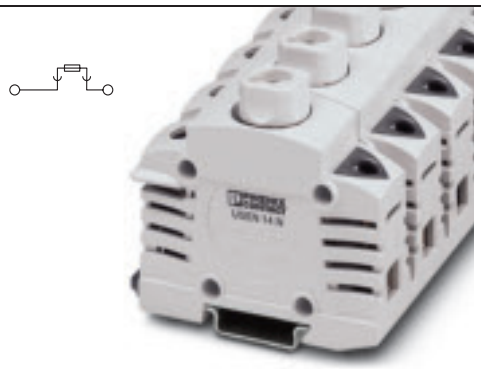
Fuse terminal blocks for NEOZED ® fuse inserts USEN ...

The types USEN 14 N and USEN 18 N have been developed for NEOZED® fuses. The NEOZED® system features a high current carrying capacity of up to 63 A (with USEN 18 N).

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

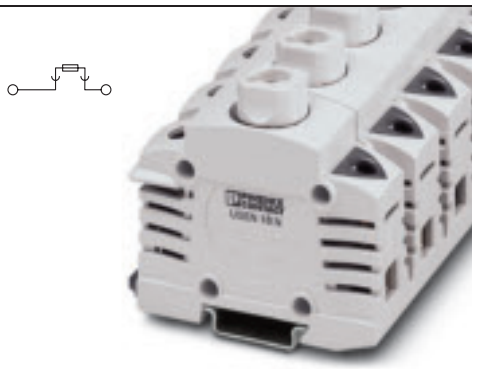
NEOZED® and DIAZED® are registered trademarks of Siemens AG.

1) Current carrying capacity of the insertion bridges in the case of center infeed: 120 A



USEN 14 N

For NEOZED® fuses D 01 (E 14)



USEN 18 N

For NEOZED® fuses D 02 (E 18)

Dimensions		Width	Length	Height		Width	Length	Height	
	[mm]	**27**	**82.7**	**71.9**		**27**	**84**	**75**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG	$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		16	**400**	**1.5 - 35**	**16 - 2**	**63**	**400**	**1.5 - 35**	**16 - 2**
Rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7	IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400	-	-	-	400	-	-	-
Nominal current / cross-section	[A] / [mm²]	16 / 35	- / -	- / -	- / -	63 / 35	- / -	- / -	- / -
Rated cross-section	[mm²]	35	-	-	-	35	-	-	-
Cross-section range	AWG	16 - 2	-	-	-	16 - 2	-	-	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	1.5 - 35	1.5 - 35	1.5 - 25	1.5 - 25	1.5 - 35	1.5 - 35	1.5 - 25	1.5 - 25
Two conductors (of the same type)	[mm²]	1.5 - 10	1.5 - 10	1.5 - 10	-	1.5 - 10	1.5 - 10	1.5 - 10	-
Two stranded conductors with a TWIN ferrule	[mm²]				1.5 - 10				1.5 - 10
Max. cross-section with insertion bridge	[mm²]	25	25			25	25		
General data									
Fuse type / dimensions	– / [mm]	D 01 / E 14				D 02 / E 18			
Stripping length	[mm]	19				19			
Screw thread		M6				M6			
Tightening torque	[Nm]	3.5 - 4				3.5 - 4			
Insulating material		Duroplast				Duroplast			
Inflammability class acc. to UL 94		V0				V0			

Ordering data

Description	Width	Color	Type	I_{max}	Order No.	Pcs. / Pkt.	Type	I_{max}	Order No.	Pcs. / Pkt.
Fuse element, incl. screw cap, for mounting on NS 35...										
	27 mm	light gray	**USEN 14 N**		**3048357**	10	**USEN 18 N**		**3048360**	10

Accessories

Insertion bridge, divisible, insulated spine										
1-phase		Gray	**EB 36-27**	65 A1)	**3009341**	1	**EB 36-27**	65 A1)	**3009341**	1
3-phase		Gray	**EB 36-27/L1-L2-L3**	65 A1)	**3009354**	1	**EB 36-27/L1-L2-L3**	65 A1)	**3009354**	1
NEOZED® special spring, or use of fuse inserts D 01 in screw caps D 02 (on request), for 2 - 16 A		Silver					**SH-SE 14/18**		**0913317**	50
NEOZED® fuse inserts in acc. with DIN 49522 380 V AC / 250 V DC		Pink	**S 2 A/380 V**		**0913016**	10	**S 2 A/380 V**		**0913016**	10
		Brown	**S 4 A/380 V**		**0913029**	10	**S 4 A/380 V**		**0913029**	10
		Green	**S 6 A/380 V**		**0913032**	10	**S 6 A/380 V**		**0913032**	10
		Red	**S 10 A/380 V**		**0913045**	10	**S 10 A/380 V**		**0913045**	10
		Gray	**S 16 A/380 V**		**0913058**	10	**S 16 A/380 V**		**0913058**	10
		Blue					**S 20 A/380 V**		**0913061**	10
		Yellow					**S 25 A/380 V**		**0913074**	10
		Black					**S 35 A/380 V**		**0913087**	10
		White					**S 50 A/380 V**		**0913090**	10
		copper					**S 63 A/380 V**		**0913100**	10
NEOZED® adapter sleeves		Pink	**H 2 A**		**0913113**	50	**HS 2 A**		**0913210**	50
		Brown	**H 4 A**		**0913126**	50	**HS 4 A**		**0913223**	50
		Green	**H 6 A**		**0913139**	50	**HS 6 A**		**0913236**	50
		Red	**H 10 A**		**0913142**	50	**HS 10 A**		**0913249**	50
		Gray					**HS 16 A**		**0913252**	50
		Blue					**HS 20 A**		**0913155**	50
		Yellow					**HS 25 A**		**0913168**	50
		Black					**HS 35 A**		**0913171**	50
		White					**HS 50 A**		**0913184**	50
Screwdriver			**SZS 1,0X6,5**		**1205079**	10	**SZS 1,0X6,5**		**1205079**	10
Marker carrier, SS-ZB contactor marking zack marker strip		Black	**MA 20X 8 BK**		**0814270**	100	**MA 20X 8 BK**		**0814270**	100
Marker tags, 5-section, unprinted, labeling with X-PEN, B-STIFT, plotter or BMKT 20 x 8 label		White	**SS-ZB WH**		**5031171**	50	**SS-ZB WH**		**5031171**	50
Lettering field size: 20 x 8 mm		Yellow	**SS-ZB YE**		**5031650**	50	**SS-ZB YE**		**5031650**	50

Fuse terminal blocks for DIAZED® fuse inserts USED ...



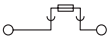
The USED 27 N has been designed for DIAZED® fuses. The DIAZED® system features a dielectric strength of up to 500 V.

The Phoenix Contact fuse elements all have an enclosed housing which accommodates the original DIAZED® E 27 thread. The conductor is connected with the cage principle for cross-sections up to 35 mm².

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

NEOZED® and DIAZED® are registered trademarks of Siemens AG.

¹) Current carrying capacity of the insertion bridges in the case of center infeed: 120 A





USED 27 N

For DIAZED® fuses D II (E 27)

Dimensions		Width	Length	Height	
	[mm]	**40**	**80**	**62.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		25	**500**	**1.5 - 35**	**16 - 2**
Rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	-	-	-
Nominal current / cross-section	[A] / [mm²]	25 / 35	- / -	- / -	- / -
Rated cross-section	[mm²]	35	-	-	-
Cross-section range	AWG	16 - 2	-	-	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	1.5 - 35	1.5 - 35	1.5 - 25	1.5 - 25
Two conductors (of the same type)	[mm²]	1.5 - 10	1.5 - 10	1.5 - 10	-
Two stranded conductors with a TWIN ferrule	[mm²]				1.5 - 10
Max. cross-section with insertion bridge	[mm²]	25	25		
General data					
Fuse type / dimensions	– / [mm]	D II / E 27			
Stripping length	[mm]	19			
Screw thread		M6			
Tightening torque	[Nm]	3.5 - 4			
Insulating material		Duroplast			
Inflammability class acc. to UL 94		V0			

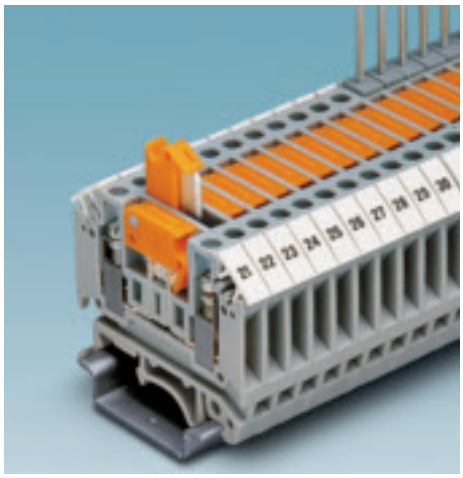
Ordering data

Description	Width	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Fuse element, incl. screw cap, for mounting on NS 35...						
	40 mm	light gray	**USED 27 N**		**3048373**	5

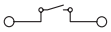
Accessories

Insertion bridge, divisible, insulated spine						
1-phase		Gray	**EB 25-40**	65 A¹)	**3048412**	1
3-phase		Gray	**EB 25-40/L1-L2-L3**	65 A¹)	**3048425**	1
DIAZED® fuse inserts in acc. with DIN 49360 and DIN 49515 500 V AC / 250 V DC		Pink	**S-II- 2 A/500 V**		**0913605**	5
		Brown	**S-II- 4 A/500 V**		**0913618**	5
		Green	**S-II- 6 A/500 V**		**0913621**	5
		Red	**S-II-10 A/500 V**		**0913634**	5
		Gray	**S-II-16 A/500 V**		**0913647**	5
		Blue	**S-II-20 A/500 V**		**0913650**	5
		Yellow	**S-II-25 A/500 V**		**0913663**	5
DIAZED® adapter sleeves		Pink	**HSD II 2 A**		**0913508**	25
		Brown	**HSD II 4 A**		**0913498**	25
		Green	**HSD II 6 A**		**0913485**	25
		Red	**HSD II 10 A**		**0913472**	25
		Gray	**HSD II 16 A**		**0913469**	25
		Blue	**HSD II 20 A**		**0913456**	25
		Yellow	**HSD II 25 A**		**0913582**	25
Screwdriver			**SZS 1,0X6,5**		**1205079**	10
Marker carrier, SS-ZB contactor marking zack marker strip		Black	**MA 20X 8 BK**		**0814270**	100
Marker tags, 5-section, unprinted, labeling with X-PEN, B-STIFT, plotter or BMKT 20 x 8 label		White	**SS-ZB WH**		**5031171**	50
Lettering field size: 20 x 8 mm		Yellow	**SS-ZB YE**		**5031650**	50

Knife disconnect terminal blocks
MTK ...



For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.





MTK-P/P

In measurement, regulation and control systems, disconnect terminal blocks are becoming more and more popular in order to rapidly localize faults and to permit inspection work to be carried out under zero voltage conditions.

In addition to the easy-to-use disconnect knife, this range is characterized by the following features:

– Space-saving design
– High current carrying capacity up to 16 A
– Type versions with soldering tags
– Screws with integrated test sockets.

Knife disconnect terminal block UK 5-MTK-P/P

The UK 5-MTK-P/P features:

– Rugged and closed insulation housing
– Low and stable contact resistances
– High dielectric strength of 500 V
– A construction profile similar to the feed-through terminal blocks, UK 3 N through UK 16 N.

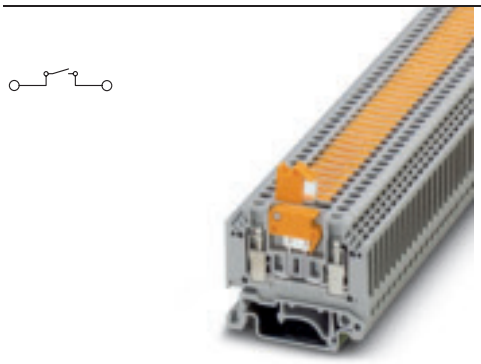
Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**46**	**51.5**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**5.2**	**46**	**56**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		16	**400**	**0.2 - 4**	**24 - 12**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400	300	300	-
Nominal current / cross-section	[A] / [mm²]	16 / 2.5	10 / -	15 / -	-
Rated cross-section	[mm²]	2.5	-	-	-
Cross-section range	AWG	24 - 12	28-12	28-12	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 1.5
Two conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1.5
Max. cross-section with insertion bridge	[mm²]	4	2.5		
General data					
Stripping length	[mm]	7			
Screw thread		M3			
Tightening torque	[Nm]	0.5 - 0.6			
Insulating material		PA			
Inflammability class acc. to UL 94		V0			

Ordering data

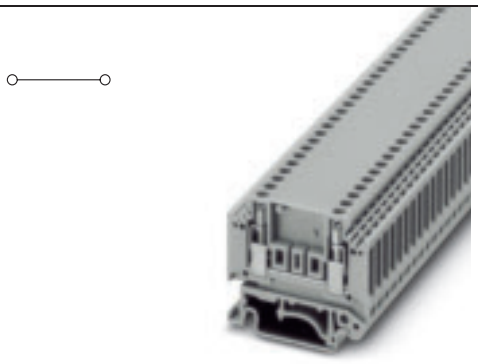
Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Knife disconnect terminal block, for mounting on NS 32... or NS 35..., with test socket screws on both sides		Gray	**MTK-P/P**		**3104013**	50
Knife disconnect terminal block, for mounting on NS 32... or NS 35..., with screw connection on both sides		Gray Blue				
Feed-through terminal block, without disconnect knife, with test socket screws		Gray				
With screw connection		Gray				
Knife disconnect terminal block, for mounting on NS 32... or NS 35..., with test socket screws on both sides, bridgeable in both levels		Gray				

Accessories

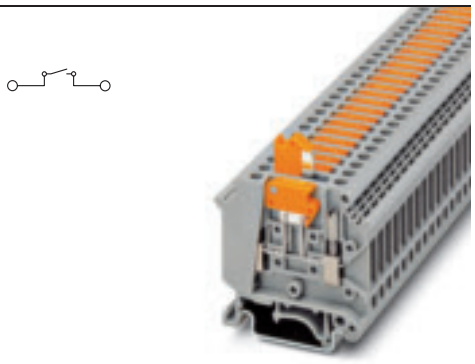
Cover, width 1 mm		Gray Blue	**D-MTK** **D-MTK BU**		**3101029** **3101090**	50 50
Insertion bridge, long divisible fully insulated contact area for connectors with 5.0 or 5.08 mm pitch						
	2	Gray	**EBL 2- 5**	12 A	**2303145**	10
	3	Gray	**EBL 3- 5**	12 A	**2303158**	10
	10	Gray	**EBL 10- 5**	12 A	**2303132**	10
Partition plate, for visual and electrical separation of terminal groups, 1.0 mm thick		Gray	**ATS-MTK**		**3101223**	50
Screwdriver			**SZG 0,6X3,5**		**1205121**	10
Zack marker strip, for labeling the lateral groove			**ZB 5 (see page 487)**			



MTK ...



MTKD...



UK 5-MTK-P/P

Width	Length	Height NS 35/7,5	
5.2	**46**	**51.5**	
Width	Length	Height NS 32	
5.2	**46**	**56**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
16	**400**	**0.2 - 4**	**24 - 12**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	300	300	-
16 / 2.5	10 / -	15 / -	-
2.5	-	-	-
24 - 12	28-12	28-12	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 1.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	- 0.5 - 1.5
4	2.5		
7			
M3			
0.5 - 0.6			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
MTK		**3101016**	50
MTK BU		**3101197**	50
D-MTK		**3101029**	50
D-MTK BU		**3101090**	50
EBL 2- 5	12 A	**2303145**	10
EBL 3- 5	12 A	**2303158**	10
EBL 10- 5	12 A	**2303132**	10
ATS-MTK		**3101223**	50
SZG 0,6X3,5		**1205121**	10
ZB 5 (see page 487)			

Width	Length	Height NS 35/7,5	
5.2	**46**	**51.5**	
Width	Length	Height NS 32	
5.2	**46**	**56**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
16	**400**	**0.2 - 4**	**24 - 12**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	300	600	-
16 / 2.5	10 / -	20 / -	-
2.5	-	-	-
24 - 12	28-12	28-12	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 1.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	- 0.5 - 1.5
4	2.5		
7			
M3			
0.5 - 0.6			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
MTKD-P/P		**3100020**	50
MTKD		**3100017**	50
D-MTK		**3101029**	50
D-MTK BU		**3101090**	50
EBL 2- 5	12 A	**2303145**	10
EBL 3- 5	12 A	**2303158**	10
EBL 10- 5	12 A	**2303132**	10
ATS-MTK		**3101223**	50
SZG 0,6X3,5		**1205121**	10
ZB 5 (see page 487)			

Width	Length	Height NS 35/7,5	
6.2	**51**	**58.5**	
Width	Length	Height NS 32	
6.2	**51**	**63.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
16	**500**	**0.2 - 6**	**24 - 10**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	600	300	-
16 / 2.5	15 / -	15 / -	-
4	-	-	-
24 - 10	22-12	18-10	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	- 0.5 - 2.5
4	4		
8			
M3			
0.5 - 0.6			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
UK 5-MTK-P/P		**3004032**	50
EB 2- 6	12 A	**0201155**	100
EB 3- 6	12 A	**0201142**	100
EB 10- 6	12 A	**0201139**	10
ATP-UK 5-MTK		**3004210**	50
SZG 0,6X3,5		**1205121**	10
ZB 6 (see page 487)			

Knife disconnect terminal blocks MTK ...

In measurement, regulation and control systems, disconnect terminal blocks are becoming more and more popular in order to rapidly localize faults and to permit inspection work to be carried out under zero voltage conditions.

In addition to the easy-to-use disconnect knife, this range is characterized by the following features:

– The narrow space saving construction, only 5mm wide
– The high current carrying capacity of up to 16 A due to low contact resistances
– The versions with Wire-Wrap®(WW) or TERMI-POINT®(TP) connection
– The versions with soldering tags in zigzag layout, onto which 2.8 mm flat pin bushings can be pushed

A test socket hole for 2.3 mm Ø test plugs is located in the vicinity of the screw shaft.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



MTK-LOE...

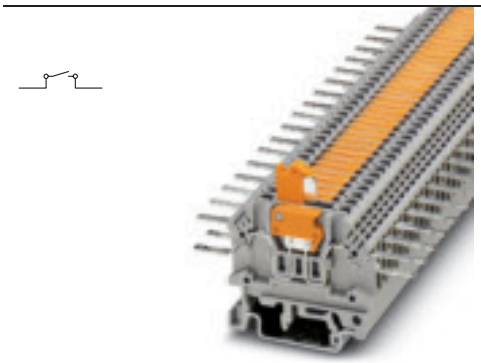
Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**57.5**	**51.5**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**5.2**	**57.5**	**56**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		12	**400**	**0.2 - 4**	**24 - 12**
Rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400	300	-	-
Nominal current / cross-section	[A] / [mm²]	12 / 2.5	10 / -	- / -	-
Rated cross-section	[mm²]	2.5	-	-	-
Cross-section range	AWG	24 - 12	28-12	-	-
Rated data for soldering, wire-wrap® or TERMI-POINT® connection		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400	300	-	-
Nominal current / cross-section	[A] / [mm²]	12 / 2.5	10 / -	- / -	-
Rated cross-section	[mm²]	2.5	-	-	-
Cross-section range	AWG	24 - 16	-	-	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
Two conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 1	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1.5
Max. cross-section with insertion bridge	[mm²]	4	2.5		
Connection capacity for soldering, wire-wrap® and TERMI-POINT® connection		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.2 - 1.5	0.2 - 1.5	-	-
General data					
Stripping length	[mm]	7			
Screw thread		M3			
Tightening torque	[Nm]	0.5 - 0.6			
Insulating material		PA			
Inflammability class acc. to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.
Knife disconnect terminal block, screw / solder connection, soldering tag on the right		Gray	**MTK-LOER**	**3105012**	50
Soldering on the left		Gray	**MTK-LOEL**	**3107010**	50
Knife disconnect terminal block with solder connection on both sides, with test holes		Gray			
Knife disconnect terminal block, 1 x 1 WW pin on the left, screw connection on the right		Gray			
Knife disconnect terminal block, 2.4 x 0.8 TP pin, left, screw connection on the right, L for vertical strips		Gray			
Knife disconnect terminal block, 2.4 x 0.8 TP pin, left, screw connection on the right		Gray			

Accessories

Cover, width 1 mm		Gray	**D-MTK**	**3101029**	50
		Blue	**D-MTK BU**	**3101090**	50
Insertion bridge, long divisible fully insulated contact area for connectors with 5.0 or 5.08 mm pitch					
	2	Gray			
	3	Gray			
	10	Gray			
Partition plate, for visual and electrical separation of terminal groups, 1.0 mm thick		Gray	**ATS-MTK**	**3101223**	50
Screwdriver			**SZG 0,6X3,5**	**1205121**	10
Zack marker strip, 10-section			**ZB 5 (see page 487)**		



MTK-LOE/LOE

Width	Length	Height NS 35/7,5	
5.2	**57.5**	**51.5**	
Width	Length	Height NS 32	
5.2	**57.5**	**56**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
12	**400**	**-**	**-**
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	300	-	-
12 / 1.5	10 / -	- / -	-
1.5	-	-	-
-	28-12	-	-
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	300	-	-
12 / 1.5	10 / -	- / -	-
1.5	-	-	-
24 - 16	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
-	-	-	-
-	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 1.5	0.2 - 1.5	-	-
-			
-			
-			
PA			
V0			

Type	Order No.	Pcs. / Pkt.
MTK-LOE/LOE	**3109018**	50
D-MTK	**3101029**	50
D-MTK BU	**3101090**	50
ATS-MTK	**3101223**	50
SZG 0,6X3,5	**1205121**	10
ZB 5 (see page 487)		



MTK-WW(1x1)1

Width	Length	Height NS 35/7,5	
5.2	**46**	**67**	
Width	Length	Height NS 32	
5.2	**46**	**72**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
10	**250**	**0.2 - 4**	**24 - 12**
IEC	UL / CUL	CSA	IEC/ EN 60079-7
250	-	-	-
10 / 2.5	- / -	- / -	-
2.5	-	-	-
24 - 12	-	-	-
IEC	UL / CUL	CSA	IEC/ EN 60079-7
250	-	-	-
10 / 2.5	- / -	- / -	-
2.5	-	-	-
26 - 20	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1	- 0.5 - 1.5
4	4		
Solid	Stranded	Ferrule without / with plastic sleeve	
-	-	-	-
7			
M3			
0.5 - 0.6			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
MTK-WW(1X1)1		**3110117**	50
D-MTK		**3101029**	50
D-MTK BU		**3101090**	50
EBL 2- 5	11 A	**2303145**	10
EBL 3- 5	11 A	**2303158**	10
EBL 10- 5	11 A	**2303132**	10
ATS-MTK		**3101223**	50
SZG 0,6X3,5		**1205121**	10
ZB 5 (see page 487)			



MTK-TP(2,4X0,8)1...

Width	Length	Height NS 35/7,5	
5.2	**46**	**67**	
Width	Length	Height NS 32	
5.2	**46**	**72**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
10	**250**	**0.2 - 4**	**24 - 12**
IEC	UL / CUL	CSA	IEC/ EN 60079-7
250	-	-	-
10 / 2.5	- / -	- / -	-
2.5	-	-	-
24 - 12	-	-	-
IEC	UL / CUL	CSA	IEC/ EN 60079-7
250	-	-	-
10 / 2.5	- / -	- / -	-
2.5	-	-	-
28 - 22	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1	- 0.5 - 1.5
4	4		
Solid	Stranded	Ferrule without / with plastic sleeve	
-	-	-	-
7			
M3			
0.5 - 0.6			
PA			
V0			

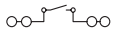
Type	I_{max}	Order No.	Pcs. / Pkt.
MTK-TP(2,4X0,8)1L		**3110418**	50
MTK-TP(2,4X0,8)1Q		**3110515**	50
D-MTK		**3101029**	50
D-MTK BU		**3101090**	50
EBL 2- 5	11 A	**2303145**	10
EBL 3- 5	11 A	**2303158**	10
EBL 10- 5	11 A	**2303132**	10
ATS-MTK		**3101223**	50
SZG 0,6X3,5		**1205121**	10
ZB 5 (see page 487)			

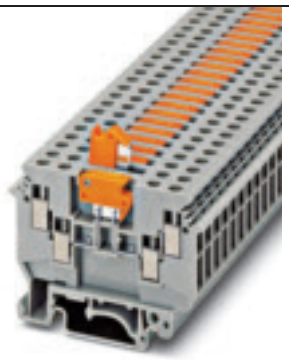
Multi-conductor and multi-level terminal blocks with disconnect knife

Besides the easy-to-use disconnect knives, the UDMTK 5-P/P terminal block features are:
– Sturdy and closed housing
– Double connection and
– Double disconnection

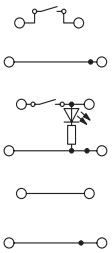
The disconnect knife on the lower level is characterized by a slight vertical offset.

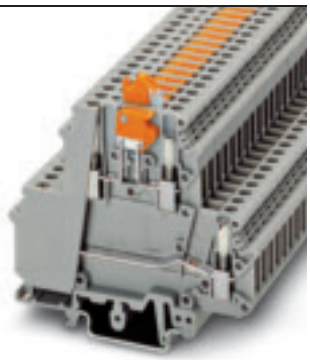
For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.





UDK 4-MTK-P/P ...





UKK 5-MTK...

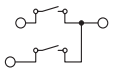
		UDK 4-MTK-P/P ...				UKK 5-MTK...			
Dimensions		Width	Length	Height NS 35/7,5		Width	Length	Height NS 35/7,5	
	[mm]	**6.2**	**63.5**	**47**		**6.2**	**80**	**68**	
Dimensions		Width	Length	Height NS 32		Width	Length	Height NS 32	
	[mm]	**6.2**	**63.5**	**52**		**6.2**	**80**	**73**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG	$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		16	**630**	**0.2 - 6**	**24 - 12**	**26**	**400**	**0.2 - 4**	**24 - 12**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7	IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	630	600	600	-	400	300	300	-
Nominal current / cross-section	[A] / [mm²]	16 / 4	15 / -	15 / -	-	26 / 4	- / -	15 / -	-
Rated cross-section	[mm²]	4	-	-	-	4	-	-	-
Cross-section range	AWG	24 - 12	30-10	22-10	-	24 - 12	26-12	22-12	-
Rated data, upper level		IEC	UL / CUL	CSA	IEC/ EN 60079-7	IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	-	-	-	-	400	-	-	-
Nominal current / cross-section	[A] / [mm²]	- / -	- / -	- / -	- / -	12 / 4	- / -	- / -	- / -
Rated cross-section	[mm²]	4	-	-	-	4	-	-	-
Cross-section range	AWG	-	-	-	-	24 - 12	-	-	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 1.5	0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
Two conductors (of the same type)	[mm²]	0.2 - 1	0.2 - 1.5	0.25 - 1.5	-	0.2 - 1.5	0.2 - 2.5	0.25 - 1.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1				0.5 - 1.5
Max. cross-section with insertion bridge	[mm²]	2.5	2.5						
General data									
Stripping length	[mm]	8				8			
Screw thread		M3				M3			
Tightening torque	[Nm]	0.5 - 0.6				0.6 - 0.8			
Insulating material		PA				PA			
Inflammability class acc. to UL 94		V2				V2			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.	Type	I_{max}	Order No.	Pcs. / Pkt.
Knife disconnect terminal block, for mounting on NS 32... or NS 35..., with test socket screws on both sides		Gray	**UDK 4-MTK-P/P**		**2775210**	50	**UKK 5-MTK-P/P**		**2800004**	50
		Blue	**UDK 4-MTK-P/P BU**		**2775223**	50				
Knife disconnect terminal block, for mounting on NS 32... or NS 35..., with test socket screws on both sides, bridgeable in both levels		Gray								
Double-level terminal block, for mounting on NS 32... or NS 35..., with disconnect knife and light indicator for 12 V DC		Gray					**UKK 5-MTK-P/P-LA 24RD/O-U**		**2800020**	50
Double-level terminal block, for mounting on NS 32... or NS 35..., with two through contacts, without light indicator		Gray					**UKK 5-MTKD-P/P**		**2800017**	50

Accessories

Cover, width 1.5 mm		Gray	**D-UDK 4**		**2775113**	50				
		Blue	**D-UDK 4 BU**		**2775197**	50				
Fixed bridge, for cross connections in the terminal center, screw heads with insulating collar, divisible, with 10 screws										
	10	Silver					**FBI 10- 6**	22 A	**0203250**	10
Insertion bridge, fully insulated										
	2	Gray	**EB 2- 6**	12 A	**0201155**	100				
	3	Gray	**EB 3- 6**	12 A	**0201142**	100				
	10	Gray	**EB 10- 6**	12 A	**0201139**	10				
Screwdriver			**SZS 0,6X3,5**		**1205053**	10	**SZG 0,6X3,5**		**1205121**	10
Zack marker strip, for labeling the lateral groove			**ZB 6 (see page 487)**				**ZB 6 (see page 487)**			





UDMTK 5-TWIN-P/P ...

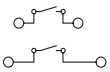
Disconnect knife for both levels

Width	Length	Height NS 35/7,5	
6.2	**76.5**	**68.5**	
Width	Length	Height NS 32	
6.2	**76.5**	**73**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
8	**400**	**0.2 - 4**	**24 - 12**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	300	300	-
8 / 4	8 / -	8 / -	-
4	-	-	-
24 - 12	26-12	28-12	-
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	-	-	-
8 / 4	- / -	- / -	- / -
4	-	-	-
24 - 12	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
			0.5 - 2.5

8	
M3	
0.6 - 0.8	
PA	
V2	

Type	Order No.	Pcs. / Pkt.
UDMTK 5-TWIN-P/P	**3101126**	50
UDMTK 5-TWIN-P/P BU	**3101139**	50

SZG 0,6X3,5	**1205121**	10
ZB 6 (see page 487)		





UDMTK 5-P/P ...

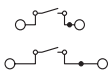
Disconnect knife for both levels

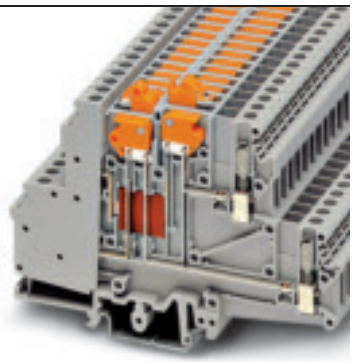
Width	Length	Height NS 35/7,5	
6.2	**93**	**68.5**	
Width	Length	Height NS 32	
6.2	**93**	**73**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
10	**400**	**0.2 - 4**	**24 - 12**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	-	300	-
10 / 4	- / -	15 / -	-
4	-	-	-
24 - 12	-	28-12	-
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	-	-	-
8 / 4	- / -	- / -	- / -
4	-	-	-
24 - 12	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
			0.5 - 2.5

8	
M3	
0.6 - 0.8	
PA	
V2	

Type	Order No.	Pcs. / Pkt.
UDMTK 5-P/P	**3101087**	50
UDMTK 5-P/P BU	**3101113**	50

SZG 0,6X3,5	**1205121**	10
ZB 6 (see page 487)		





UDMTKB 5-P/P

Disconnect knife for both levels

Width	Length	Height NS 35/7,5	
6.2	**106**	**68.5**	
Width	Length	Height NS 32	
6.2	**106**	**73**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
10	**400**	**0.2 - 4**	**24 - 12**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	-	-	-
10 / 4	- / -	- / -	-
4	-	-	-
24 - 12	-	-	-
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	-	-	-
8 / 4	- / -	- / -	- / -
4	-	-	-
24 - 12	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
			0.5 - 2.5

8	
M3	
0.6 - 0.8	
PA	
V2	

Type	I_{max}	Order No.	Pcs. / Pkt.
UDMTKB 5-P/P		**3024478**	50
FBI 10- 6	10 A	**0203250**	10
SZG 0,6X3,5		**1205121**	10
ZB 6 (see page 487)			

Multi-conductor and multi-level terminal blocks



The 6 mm wide fuse or component terminal blocks consist of basic terminal blocks which hold fuse, component and isolating connectors.

The basic terminal blocks are available in different forms:

– Mini-strip terminal blocks MBK 5
– Universal terminal blocks UK 5 N
– Double terminal blocks UDK4
– Double-level terminal blocks UKK 5

The three or four-conductor actuator basic terminal blocks DOK 1,5-TG, DOKD 1,5-TG and VIOK 1,5-D/TG/D/PE are documented in the chapter "Double-level, three-level and four-level terminal blocks". Refer to page 365.

For basic terminal blocks with spring-cage connection, refer to page 120.

For fuse, component and isolating connectors, refer to page 388.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) The current and voltage are determined by the component and fuse connector.





MBK 5/E-TG

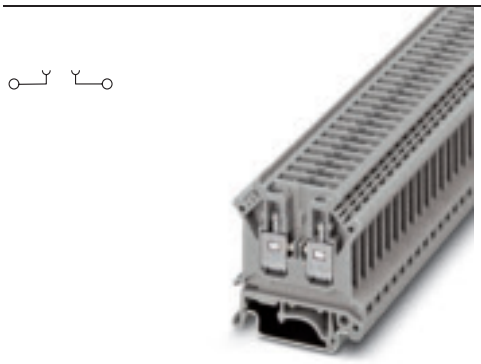
Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**6.2**	**28**	**-**	
Dimensions		Width	Length	Height NS 15	
	[mm]	**6.2**	**28**	**36**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**6.2**	**28**	**-**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		16[1])	**500[1])**	**0.2 - 4**	**24 - 12**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500[1])	300	300	-
Nominal current / cross-section	[A] / [mm²]	16 / 4	20 / -	15 / -	-
Rated cross-section	[mm²]	4	-	-	-
Cross-section range	AWG	24 - 12	28-12	28-12	-
Rated data, upper level		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	-	-	-	-
Nominal current / cross-section	[A] / [mm²]	- / -	- / -	- / -	- / -
Rated cross-section	[mm²]	4	-	-	-
Cross-section range	AWG	-	-	-	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.2 - 4	0.2 - 4	0.25 - 2.5	0.25 - 2.5
Two conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1.5
Max. cross-section with insertion bridge	[mm²]	1.5	1.5		
General data					
Stripping length	[mm]	9			
Screw thread		M3			
Tightening torque	[Nm]	0.6 - 0.8			
Insulating material		PA			
Inflammability class acc. to UL 94		V2			

Ordering data

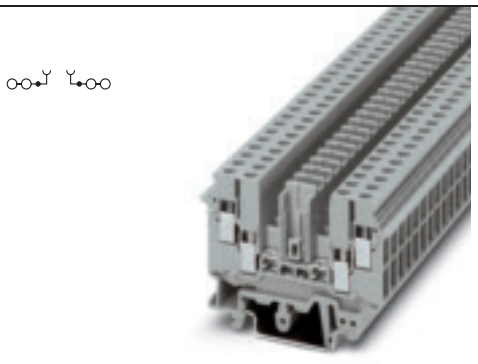
Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Basic terminal block, for component and fuse connectors		Gray	**MBK 5/E-TG**		**1415089**	50
Basic terminal block, with test socket screws on both sides		Gray				

Accessories

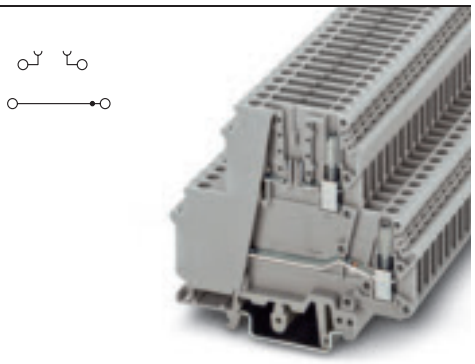
Cover, width 1 mm		Gray	**D-MBK 5/E-T**		**1413706**	50
Cover, width 1.8 mm		Gray				
Cover, width 1.5 mm		Gray				
Fixed bridge, for cross connections in the terminal center, screw heads with insulating collar, divisible, with 10 screws	10	Silver				
Insertion bridge, fully insulated						
	2	Gray	**EB 2- 6**	16 A	**0201155**	100
	3	Gray	**EB 3- 6**	16 A	**0201142**	100
	10	Gray	**EB 10- 6**	16 A	**0201139**	10
Isolator bridge bar, divisible, with 10 screws, for switchable branches with **IS-K...**	10	Silver				
Bridge bar isolator, as distance piece for isolator bridge bar		Gray				
Partition plate, for visual and electrical separation of terminal groups, 1.5 mm thick		Gray				
Screwdriver			**SZS 0,6X3,5**		**1205053**	10
Zack marker strip, for labeling the lateral groove						



UK 4-TG...



UDK 4-TG



UKK 5-TG

Width	Length	Height NS 35/7,5	
6.2	**42.5**	**47**	
Width	Length	Height NS 15	
6.2	**42.5**	**-**	
Width	Length	Height NS 32	
6.2	**42.5**	**52**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
16[1])	**500[1])**	**0.2 - 4**	**24 - 12**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500[1])	600	600	-
16 / 4	20 / -	15 / -	-
4	-	-	-
24 - 12	28-12	28-12	-
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	- / -
4	-	-	-
-	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 2.5	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	- 0.5 - 1.5
1.5	1.5		
9			
M3			
0.6 - 0.8			
PA			
V2			

Type	I_{max}	Order No.	Pcs. / Pkt.
UK 4-TG		**2812018**	50
UK 4-TG-P/P		**2812034**	50
D-UK 4/10		**3003020**	50
EB 2- 6	16 A	**0201155**	100
EB 3- 6	16 A	**0201142**	100
EB 10- 6	16 A	**0201139**	10
ATP-UK		**3003224**	50
SZS 0,6X3,5		**1205053**	10
ZB 6 (see page 487)			

Width	Length	Height NS 35/7,5	
6.2	**63.5**	**47**	
Width	Length	Height NS 15	
6.2	**63.5**		
Width	Length	Height NS 32	
6.2	**63.5**	**52**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
16[1])	**400**	**0.2 - 6**	**24 - 10**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	300	-	-
16 / 4	15 / -	- / -	-
4	-	-	-
24 - 10	30-12	-	-
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	- / -
4	-	-	-
-	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 1.5
0.2 - 1	0.2 - 1.5	0.25 - 1.5	- 0.5 - 1
2.5	2.5		
8			
M3			
0.6 - 0.8			
PA			
V2			

Type	I_{max}	Order No.	Pcs. / Pkt.
UDK 4-TG		**2777014**	50
D-UDK-RELG		**2777027**	50
FBI 10- 6	16 A	**0203250**	10
EB 2- 6	16 A	**0201155**	100
EB 3- 6	16 A	**0201142**	100
EB 10- 6	16 A	**0201139**	10
SZS 0,6X3,5		**1205053**	10
ZB 6 (see page 487)			

Width	Length	Height NS 35/7,5	
6.2	**80**	**68.5**	
Width	Length	Height NS 15	
6.2	**80**	**-**	
Width	Length	Height NS 32	
6.2	**80**	**73**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
26	**400[1])**	**0.2 - 4**	**24 - 12**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400[1])	300	300	-
26 / 4	25 / -	15 / -	-
4	-	-	-
24 - 12	26-12	28-12	-
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400[1])	300	-	-
16 / 4	15 / -	- / -	- / -
4	-	-	-
24 - 12	26-12	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	- 0.5 - 2.5
4	4		
8			
M3			
0.6 - 0.8			
PA			
V2			

Type	I_{max}	Order No.	Pcs. / Pkt.
UKK 5-TG		**3007042**	50
FBI 10- 6	26 A	**0203250**	10
EB 2- 6	22 A	**0201155**	100
EB 3- 6	22 A	**0201142**	100
EB 10- 6	22 A	**0201139**	10
ISSBI 10- 6	26 A	**0301505**	10
IS-K 4		**1302338**	100
SZG 0,6X3,5		**1205121**	10
ZB 6 (see page 487)			

Fuse, component and isolating connectors ST-...

The ST-SI-UK 4 fuse connector for 5 x 20 mm cartridge fuse inserts is available with and without light indicator.

The ST-BE component connectors are available as individual connectors for 2-pos. components and as double connectors.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

1) If the fuse is faulty, the downstream circuit is not off load.

2) Integrated: diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 1.0 A

3) With single arrangement.

4) Integrated: rectifier module B 250 C 1500, reverse voltage: 600 V, nominal voltage: 250 V, nominal current: 1.5 A



ST-SI...



ST-...

Rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7	IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	250	300	300	-	-	300	-	-
Nominal current / cross-section	[A] / [mm²]	6.3 / -	6.3 / -	10 / -	-	16 / -	10 / -	- / -	-
Rated cross-section	[mm²]	-	-	-	-	-	-	-	-
Cross-section range	AWG	-	-	-	-	-	30-14	-	-
General data									
Tightening torque	[Nm]	-				0.5 - 0.6			
Insulating material		PA				PA			
Inflammability class acc. to UL 94		V2				V2			

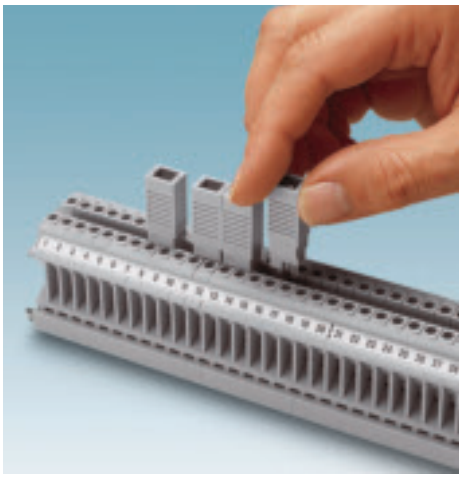
Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Fuse connector, for cartridge fuse inserts 5 x 20 mm, 26.5 mm high, max. 6.3 A	Black	**ST-SI-UK 4**	**0921011**	50			
Fuse connector, for cartridge fuse inserts, 5 x 20 mm, 26.5 mm high, max. 6.3 A, with light indicator, for 5-15 V AC/DC1)	Black	**ST-SILED 12-UK 4**	**0921024**	50			
With LED for 15-30 V AC/DC	Black	**ST-SILED 24-UK 4**	**0921037**	50			
With LED for 30-60 V AC/DC	Black	**ST-SILED 60-UK 4**	**0921040**	50			
With LED for 110-250 V AC/DC	Black	**ST-SILA250-UK 4**	**0921053**	50			
Component connector, for switching on 2-pos. components in the basic terminal block, fixing at screw terminal points, 19 mm high, max 16 A3)	Gray				**ST-BE**	**2802316**	10
Component connector, to connect 2-pos. components into the basic terminal block, 19 mm high, with LED for 24 V AC/DC					**ST-BE-LA 24**	**2802374**	10
With LED for 230 V AC/DC					**ST-BE-LA230**	**2802387**	10
Component connector, to connect 2-pos. components into the basic terminal block, with diode 1N 4007, 19 mm high2)					**ST-1N4007**	**2802329**	10
Component connector, for 4-pos. components, two basic terminal blocks required per connector, 19 mm high	Gray				**ST-BE-VP**	**2802332**	10
Component connector, for 4-pos. components, two basic terminal blocks required per connector, with bridge rectifier B 250 C 1500, 19 mm high4)					**ST-B250C1500**	**2802345**	10
Isolating connector, 13.5 mm high, max. 16 A					**ST-K 4**	**5025462**	50

Accessories

Connector extraction tool, simplify removing the isolating connector from a closed row of terminal blocks					**TZ**	**0306704**	10

Component connector BES 6





BES 6...

For drawings and dimensional tables, see page 452.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) Integrated: diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 1.0 A

The special advantage of this component connector is that any components with two positions, such as diodes, varistors, etc. can be inserted at a later time between two neighboring standard feed-through terminal blocks.

The BES 6 is supplied as a set with two female connectors. The female connectors are screwed into the center thread of the feed-through terminal blocks. They are different lengths, which determines the correct functional direction corresponding to the vertically offset multiple-spring wire plugs and prevents later confusion. If several BES 6 connectors are fitted next to each other, separating plates should be provided between the pairs of terminal blocks in order to prevent incorrect plugging.

To insert the components, the upper half of the housing is lifted, thus exposing the plug pins for soldering.

BES 6 is also available with a 1N 4007 diode fitted for the protection circuit of DC consumers with nominal operating data up to 1300 V and 0.5 A. In addition, the BES 6 is available with a light indicator for voltages of 15-30 V DC and 110-250 V AC.

The connectors can be used with the terminal blocks:
– MBK 5
– MBK 5/E-Z
– UK 5 N
– UKK 5
– UKKB 5
– UVKB 4

General data	
Insulating material	PA
Inflammability class acc. to UL 94	V2

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Component connector, complete, for connection of components between two neighboring feed-through terminal blocks	Gray	**BES 6**	**2802549**	10
Component connector, complete, for connection of components between two neighboring feed-through terminal blocks, with diode 1N 4007[1])	Gray	**BES 6-1N4007**	**2802552**	10
Component connector, with light indicator, 15-30 V DC	Gray	**BES 6-LA 24**	**2802565**	10
Component connector, with light indicator, 110-250 V AC/DC	Gray	**BES 6-LA230**	**2802578**	10

Component terminal blocks UDK ...

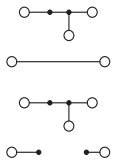
The double-level terminal blocks with several diode circuits can be used for a vast number of applications. UKK 5-BE allow you to solder in components individually.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

1) Integrated: rectifier module B 250 C 1500, reverse voltage: 600 V, nominal voltage: 250 V, nominal current: 1.5 A

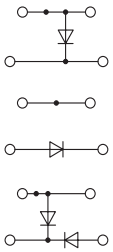
2) Max. installation width of components to be soldered in: 5 mm

3) Integrated: diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 0.5 A





UKK 5-...BE





UKK 5-...DIO/...

With integrated diodes

		UKK 5-...BE				UKK 5-...DIO/...			
Dimensions		Width	Length	Height NS 35/7,5		Width	Length	Height NS 35/7,5	
	[mm]	**6.2**	**56**	**62**		**6.2**	**56**	**62**	
Dimensions		Width	Length	Height NS 32		Width	Length	Height NS 32	
	[mm]	**6.2**	**56**	**67**		**6.2**	**56**	**67**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG	$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		32	**500**	**0.2 - 4**	**24 - 12**	**32**	**500**	**0.2 - 4**	**24 - 12**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7	IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	-	-	-	500	600	-	-
Nominal current / cross-section	[A] / [mm²]	32 / 4	- / -	- / -	-	32 / 4	30 / -	- / -	-
Rated cross-section	[mm²]	4	-	-	-	4	-	-	-
Cross-section range	AWG	24 - 12	-	-	-	24 - 12	26-10	-	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5	0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
Two conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1.5				0.5 - 1.5
General data									
Stripping length	[mm]	8				8			
Screw thread		M3				M3			
Tightening torque	[Nm]	0.6 - 0.8				0.6 - 0.8			
Insulating material		PA				PA			
Inflammability class acc. to UL 94		V0				V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for soldering in a component from top to bottom2)		Gray	**UKK 5-BE**		**3048027**	50				
Terminal block, for soldering in a component from top to bottom left and from bottom right to bottom left2)		Gray	**UKK 5-2 BE**		**3048030**	50				
Terminal block, with integrated 1N 4007 diode, conducting from top to bottom3)		Gray					**UKK 5-DIO/O-U**		**2791016**	50
Terminal block, with integrated 1N 4007 diode, conducting from bottom to top3)		Gray					**UKK 5-DIO/U-O**		**2791032**	50
Terminal block, with integrated 1N 4007 diode, conducting from bottom left to bottom right3)		Gray					**UKK 5-DIO/UL-UR**		**2791029**	50
Terminal block, with two integrated 1N 4007 diodes, conducting from top to bottom left and from top to bottom right or from bottom right to bottom left1)		Gray					**UKK 5-2DIO/O-UL/UR-UL**		**2791113**	50

Accessories

Cover, width 2.5 mm		Gray	**D-UKK 3/5**		**2770024**	50	**D-UKK 3/5**		**2770024**	50
Spacer plate, compensates for level offset if standard terminal blocks are to be fitted adjacently, 2.5 mm thick		Gray	**DP-UKK 3/5**		**2770794**	50	**DP-UKK 3/5**		**2770794**	50
Fixed bridge, for cross connections in the terminal center, screw heads with insulating collar, divisible, with 10 screws	10	Silver	**FBI 10- 6**	32 A	**0203250**	10	**FBI 10- 6**	32 A	**0203250**	10
Screwdriver			**SZS 0,6X3,5**		**1205053**	10	**SZS 0,6X3,5**		**1205053**	10
Zack marker strip, for labeling the lateral groove			**ZB 6 (see page 487)**				**ZB 6 (see page 487)**			

Component terminal blocks UDK ...

The integrated light indicator in UKK 5-LA indicates the voltage condition of the lower feed-through level. They are available in three voltage levels up to 250 V.





For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) The voltage is determined by the selected light indicator.

UKK 5-LA...

With light indicator

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**6.2**	**56**	**62**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**6.2**	**56**	**67**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		32	**500[1])**	**0.2 - 4**	**24 - 12**
Rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500[1])	600	-	-
Nominal current / cross-section	[A] / [mm²]	32 / 4	20 / -	- / -	-
Rated cross-section	[mm²]	4	-	-	-
Cross-section range	AWG	24 - 12	26-10	-	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
Two conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1.5
General data					
Stripping length	[mm]	8			
Screw thread		M3			
Tightening torque	[Nm]	0.6 - 0.8			
Insulating material		PA			
Inflammability class acc. to UL 94		V0			

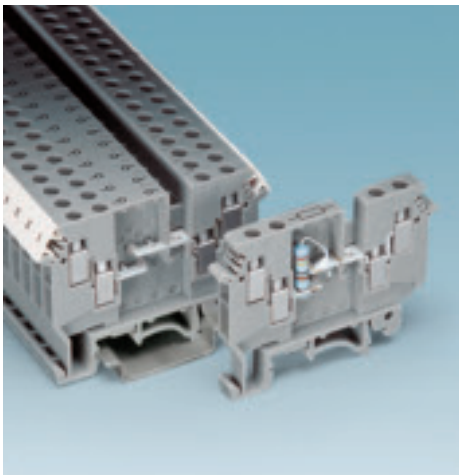
Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Double-level terminal block, with light indicator for 12-30 V DC, 0.7-2.4 mA		Gray	**UKK 5-LA 24 RD/U-O**		**2791320**	50
With light indicator for 30-60 V DC, 0.8-1.8 mA		Gray	**UKK 5-LA 60 RD/U-O**		**2791333**	50
With light indicator for 110-250 V AC/DC, 0.1-0.5 mA		Gray	**UKK 5-LA230**		**2791359**	50

Accessories

Cover, width 2.5 mm		Gray	**D-UKK 3/5**		**2770024**	50
Spacer plate, compensates for level offset if standard terminal blocks are to be fitted adjacently, 2.5 mm thick		Gray	**DP-UKK 3/5**		**2770794**	50
Fixed bridge, for cross connections in the terminal center, screw heads with insulating collar, divisible, with 10 screws						
	10	Silver	**FBI 10- 6**	32 A	**0203250**	10
Insertion bridge, fully insulated						
	2	Gray	**EB 2- 6**	28 A	**0201155**	100
	3	Gray	**EB 3- 6**	28 A	**0201142**	100
	10	Gray	**EB 10- 6**	28 A	**0201139**	10
Isolator bridge bar, divisible, with 10 screws, for switchable branches with **IS-K...**						
	10	Silver	**ISSBI 10- 6**	24 A	**0301505**	10
Bridge bar isolator, as distance piece for isolator bridge bar		Gray	**IS-K 4**		**1302338**	100
Separating disk, for electrical separation of neighboring bridges, can be fitted later, no loss of pitch		Gray	**TS-KK 3**		**2770215**	50
Partition plate, 2.5 mm thick		Gray	**ATP-UKK 3/5**		**2778521**	50
Screwdriver			**SZS 0,6X3,5**		**1205053**	10
Zack marker strip, for labeling the lateral groove			**ZB 6 (see page 487)**			

Component terminal blocks UDK ...



The constant current circuits common in process automation transmit the measured values as a load-independent current of 0(4) - 20 mA. A voltage signal pick-off can be implemented in the measuring conductor using the UDK 4-DUR terminal block, thus allowing the signal to be used as an analog signal for process computers. The four-conductor connection makes for convenient wiring. The lower level is assigned to the measuring line and the upper level is used for the voltage pick-off via the 249 Ω resistor.

Maximum width of components to be soldered in: 5 mm

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) The current is determined by the component used.



UDK 4-DUR ...

With differential voltage resistor

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**6.2**	**63.5**	**47**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**6.2**	**63.5**	**52**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		[1])	**630**	**0.2 - 6**	**24 - 10**
Rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	630	-	600	-
Nominal current / cross-section	[A] / [mm²]	[1]) / 4	- / -	10 / -	-
Rated cross-section	[mm²]	4	-	-	-
Cross-section range	AWG	24 - 10	-	22-10	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 1.5
Two conductors (of the same type)	[mm²]	0.2 - 1	0.2 - 1.5	0.25 - 1.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1
Max. cross-section with insertion bridge	[mm²]	2.5	2.5		
General data					
Stripping length	[mm]	8			
Screw thread		M3			
Tightening torque	[Nm]	0.5 - 0.6			
Insulating material		PA			
Inflammability class acc. to UL 94		V2			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Differential voltage terminal block, for self-soldering a resistor		Gray	**UDK 4-DUR**		**2775207**	50
With built-in resistor 249 Ω/ ± 1%/ 1 W		Gray	**UDK 4-DUR 249**		**2775249**	50

Accessories

Cover, width 1.5 mm		Gray	**D-UDK 4**		**2775113**	50
Fixed bridge, for cross connections in the terminal center, screw heads with insulating collar, divisible, with 10 screws						
	10	Silver	**FBI 10- 6**	32 A	**0203250**	10
Insertion bridge, fully insulated						
	2	Gray	**EB 2- 6**	26 A	**0201155**	100
	3	Gray	**EB 3- 6**	26 A	**0201142**	100
	10	Gray	**EB 10- 6**	26 A	**0201139**	10
Isolator bridge bar, divisible, with 10 screws, for switchable branches with **IS-K...**						
	10	Silver	**ISSBI 10- 6**	32 A	**0301505**	10
Bridge bar isolator, as distance piece for isolator bridge bar		Gray	**IS-K 4**		**1302338**	100
Separating disk, for electrical separation of neighboring bridges, can be fitted later, no loss of pitch		Gray	**TS-KK 3**		**2770215**	50
Screwdriver			**SZS 0,6X3,5**		**1205053**	10
Zack marker strip, for labeling the lateral groove			**ZB 6 (see page 487)**			

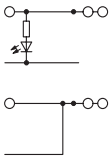
Light indicator terminal blocks for voltage and current UDK ...

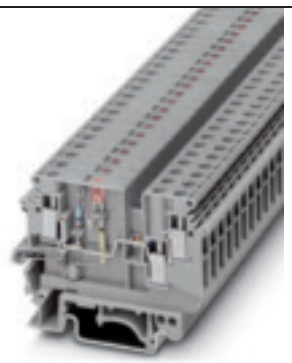
The UDK 4-ULA... has an LED that indicates the potential status of the through circuit. The return conductor of the light indicator has an RS busbar and a UDK 4-ULA/EK power terminal.

UDK 4-ILA... have a current range of 4 to 1000 mA. The light indicator lights up only when a load current flows through the load.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

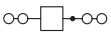
[1]) Observe load diagram, see page 453.





UDK 4-ULA...

With voltage indicator





UDK 4-ILA...

Dimensions		Width	Length	Height NS 35/7,5		Width	Length	Height NS 35/7,5	
	[mm]	**6.2**	**63.5**	**47**		**6.2**	**63.5**	**47**	
Dimensions		Width	Length	Height NS 32		Width	Length	Height NS 32	
	[mm]	**6.2**	**63.5**	**52.5**		**6.2**	**63.5**	**52.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG	$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		32	**500**	**0.2 - 6**	**24 - 10**	**0.5[1])**	**500**	**0.2 - 6**	**24 - 10**
Rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7	IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	600	600	-	500	600	600	-
Nominal current / cross-section	[A] / [mm²]	32 / 4	30 / -	10 / -	-	0.5 / 4	0.5 / -	0.5 / -	-
Rated cross-section	[mm²]	4	-	-	-	4	-	-	-
Cross-section range	AWG	24 - 10	30-10	22-12	-	24 - 10	30-10	22-10	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 1.5	0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 1.5
Two conductors (of the same type)	[mm²]	0.2 - 1	0.2 - 1.5	0.25 - 1.5	-	0.2 - 1	0.2 - 1.5	0.25 - 1.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 2.5				0.5 - 2.5
Max. cross-section with insertion bridge	[mm²]	2.5	2.5			2.5	2.5		
General data									
Stripping length	[mm]	8				8			
Screw thread		M3				M3			
Tightening torque	[Nm]	0.5 - 0.6				0.5 - 0.6			
Insulating material		PA				PA			
Inflammability class acc. to UL 94		V2				V2			

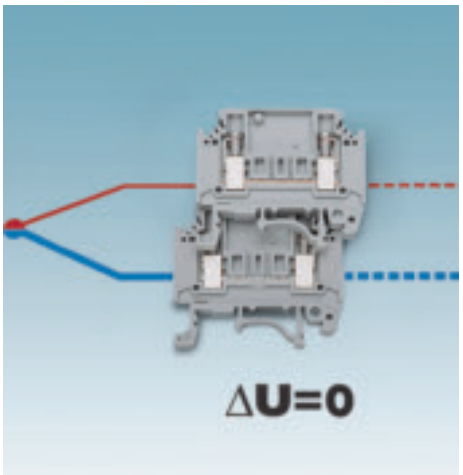
Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.	Type	I_{max}	Order No.	Pcs. / Pkt.
Voltage indicator terminal block, for mounting on NS 32... or NS 35..., with light indicator for 15-30 V DC		Gray	**UDK 4-ULA 24 RD/O-U**		**2775045**	50				
With LED for 30-60 V DC		Gray	**UDK 4-ULA 48 RD/O-U**		**2775032**	50				
With LED for 110-230 V AC/DC		Gray	**UDK 4-ULA 230**		**2775058**	50				
Power terminal block, for connecting the reference potential to the return busbar RS, $I_{max.}$ 2 A		Blue	**UDK 4-ULA/EK**		**2775029**	50				
Return busbar, engaged in terminal block and led parallel to terminal strip, length: 1 m, Ø 3 mm		Silver	**RS**		**2775126**	1				
Current indicator terminal block, for mounting on NS 32... or NS 35..., displays the current flow of an auxiliary current circuit using the LED		Black					**UDK 4-ILA 500**		**2775061**	50
For load current 300 ... 1000 mA[1])		Black					**UDK 4-ILA 1000**		**2775087**	50

Accessories

Cover, width 1.5 mm		Gray	**D-UDK 4**		**2775113**	50	**D-UDK 4**		**2775113**	50
Fixed bridge, for cross connections in the terminal center, screw heads with insulating collar, divisible, with 10 screws	10	Silver	**FBI 10- 6**	32 A	**0203250**	10	**FBI 10- 6**	32 A	**0203250**	10
Insertion bridge, fully insulated	2	Gray	**EB 2- 6**	26 A	**0201155**	100	**EB 2- 6**	26 A	**0201155**	100
	3	Gray	**EB 3- 6**	26 A	**0201142**	100	**EB 3- 6**	26 A	**0201142**	100
	10	Gray	**EB 10- 6**	26 A	**0201139**	10	**EB 10- 6**	26 A	**0201139**	10
Separating disk, for electrical separation of neighboring bridges, can be fitted later, no loss of pitch		Gray	**TS-KK 3**		**2770215**	50	**TS-KK 3**		**2770215**	50
Screwdriver			**SZS 0,6X3,5**		**1205053**	10	**SZS 0,6X3,5**		**1205053**	10
Zack marker strip, for labeling the lateral groove			**ZB 6 (see page 487)**				**ZB 6 (see page 487)**			

Thermoelectric voltage terminal block pair MTKD-...



In thermocouple measurement circuits, the thermocouple is extended by equalizers. This is the area of application of these special terminal blocks.

The equalizers are made of materials which, up to temperatures of approximately 200°C, have the same thermal characteristics as the corresponding thermocouples.

The through contacts in the MTKD-... thermoelectric voltage terminal blocks are made of the same material as the equalizers. This ensures that no false thermoelectric voltages result at the junctions of the thermocouple/terminal block/equalizer and that the basic values according to EN 60584/DIN EN 60584 are adhered to.

For table for selecting thermoelectric voltage terminal blocks, see page 452.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) Voltage to the neighboring feed-through terminal MTK.





MTKD-...

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**10.4**	**46**	**40**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**10.4**	**46**	**45**	
Max. electrical data			$U_{max.}$ [V]	Max. Ø [mm²]	AWG
			400[1])	**0.2 - 4**	**24 - 12**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400[1])	300	-	-
Nominal current / cross-section	[A] / [mm²]	- / -	10 / -	- / -	-
Rated cross-section	[mm²]	2.5	-	-	-
Cross-section range	AWG	24 - 12	28-12	-	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.2 - 4	0.2 - 2.5	-	-
General data					
Stripping length	[mm]	7			
Screw thread		M3			
Tightening torque	[Nm]	0.6 - 0.8			
Insulating material		PA			
Inflammability class acc. to UL 94		V0			

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Thermocouple terminal block pair for CU/CUNI44, Copper/constantan, USA type **T**	Gray	**MTKD-CU/CUNI**	**3100059**	50
Thermocouple terminal block pair for FE/CUNI44, Iron/constantan, USA type **J**	Gray	**MTKD-FE/CUNI**	**3100046**	50
Thermocouple terminal pair for NICR/CUNI44, Nickel-chrome/constantan, USA type **E**	Gray	**MTKD-NICR/CUNI**	**3100075**	50
Thermocouple terminal block pair for NICRSI/NISI Nickel-chrome silicon/nickel silicon, USA type **N**	Gray	**MTKD-NICRSI/NISI**	**5043321**	50
Thermocouple terminal pair for NICR/NI, Nickel-chrome/Nickel, USA type **K**	Gray	**MTKD-NICR/NI**	**3100062**	50
Thermocouple terminal block pair for E-CU/A-CU, Copper/Copper nickel, USA type **R**	Gray	**MTKD-E-CU/A-CU**	**3100091**	50
Thermocouple terminal block pair for S-CU/E-CU, S-copper/copper, USA type **B**	Gray	**MTKD-S-CU/E-CU**	**3100101**	50

Accessories

Cover, width 1 mm	Gray	**D-MTK**	**3101029**	50
Partition plate, for visual and electrical separation of terminal groups, 1.0 mm thick	Gray	**ATS-MTK**	**3101223**	50
Screwdriver		**SZS 1,0X4,0**	**1205066**	10
Zack marker strip, for labeling the lateral groove		**ZB 10 (see page 489)**		

GTF 76 ground disconnect terminal block





GTF 76/...

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) 250 V for GTF 76/230

EN 60204-1/VDE 0113-1 "Electrical Equipment of Industrial Machines", Section 9.4.3.1 states:

"Ground faults in a control circuit may not lead to an unintentional start-up, to potentially dangerous movements or prevent the stopping of a machine."

The GTF 76 ground isolating terminal block easily meets this requirement. For closed isolators in the "on" position, the yellow lamp indicates grounded normal operation. When the isolator is opened and in the "OFF" position, the red lamp indicates whether a ground fault is present in the control circuit.

Note:

Due to imbalances in the cable insulation, the red indicator may light up slightly when the disconnect slide is in the open position, even though there is no ground fault. This has no effect on the functional efficiency and does not influence the protective functions required by the VDE regulations.

Attention!

During insulation testing in accordance with EN 60204-1-1/VDE 0113-1, the GTF 76 should be either disconnected or bridged, as otherwise the light indicator will be damaged or a short-circuit will result.

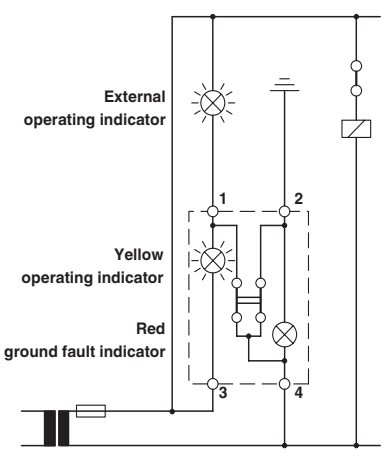
Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**22.5**	**64.5**	**54**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**22.5**	**64.5**	**59**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		57	**110[1])**	**0.5 - 10**	**20 - 8**
Rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	110[1])	250	-	-
Nominal current / cross-section	[A] / [mm²]	41 / 6	50 / -	- / -	-
Rated cross-section	[mm²]	6	-	-	-
Cross-section range	AWG	20 - 8	26-8	-	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.5 - 10	0.5 - 6	0.5 - 10	0.5 - 4
Two conductors (of the same type)	[mm²]	0.5 - 6	0.5 - 6	0.5 - 6	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 4
General data					
Stripping length	[mm]	12			
Screw thread		M4			
Tightening torque	[Nm]	1.2 - 1.5			
Insulating material		PA			
Inflammability class acc. to UL 94		V0			

Ordering data

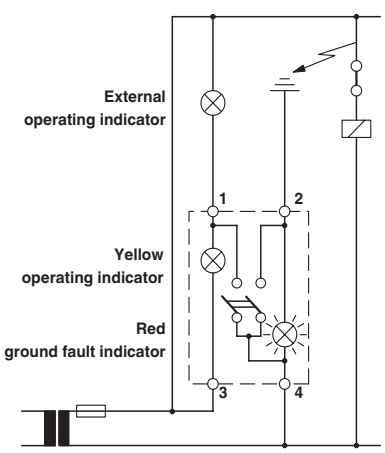
Description	Color	Type	Order No.	Pcs. / Pkt.
Ground disconnect terminal block, with universal foot for mounting on NS 32..., NS 35... or NS 35/15-2.3 for 110-250 V AC/DC, current: 0.5-1 mA	Gray	**GTF 76/230**	**3121012**	10
Ground disconnect terminal block, with universal foot for mounting on NS 32..., NS 35... or NS 35/15-2.3 for 24-48 V AC/DC, current: 3.5-8 mA	Gray	**GTF 76/ 48**	**3121025**	10

Accessories

Screwdriver	**SZS 1,0X4,0**	**1205066**	10
Zack marker strip, for labeling the lateral groove	**ZB 10 (see page 489)**		



Grounded operating mode



Ground fault

Slide-type terminal block UGSK/S
Knife disconnect terminal block URTK/SS



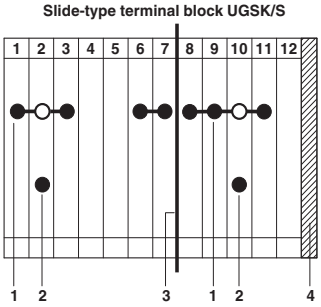
The cross connection slide-type terminal block UGSK/S can be used to design easy and clear tests in the current transformer secondary circuits.

Several measuring devices or protective relays can be connected individually with the help of jumpers or slides. For this purpose, the slides can be connected with the switching jumper depending on the circuit tasks.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

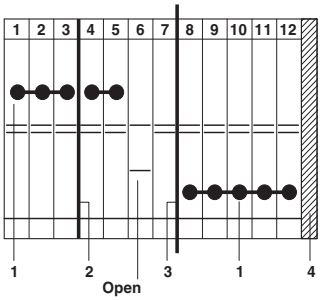
Dimensions	
	[mm]
Dimensions	
	[mm]
Max. electrical data	
Rated data	
Rated voltage	[V]
Nominal current / cross-section	[A] / [mm²]
Rated cross-section	[mm²]
Cross-section range	AWG
Connection capacity	
One conductor	[mm²]
Two conductors (of the same type)	[mm²]
Two stranded conductors with a TWIN ferrule	[mm²]
General data	
Stripping length	[mm]
Terminal point: thread / torque	- / [Nm]
Disconnect slide: thread / torque	- / [Nm]
Torque: test socket, fixed bridge, switch bar	[Nm]
Insulating material	
Inflammability class acc. to UL 94	

Slide-type terminal block UGSK/S



	Type	Order no.
1	FB 10-GSK/S	0305174
2	GS-GSK/S	0305116
3	ATS-GSK	0304227
4	D-UGSK	0304023

Knife disconnect terminal block URTK/SS



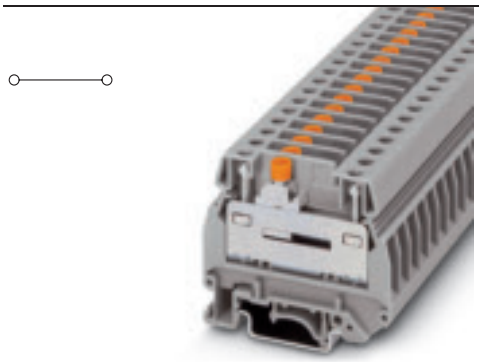
	Type	Order no.
1	FBRNI 10-6	2770626
2	TS-URTK/SS	0321213
3	ATS-URTK/SS	0321226
4	D-URTK/SS	0321022

Ordering data

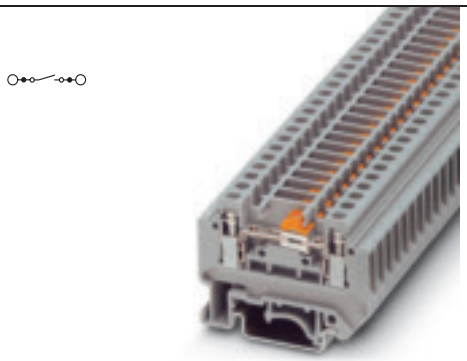
Description	No. of pos.	Color
Slide-type terminal block, with universal foot and slide, for mounting on NS 32... or NS 35...		Gray
Without slide		Gray
Measurement/disconnect terminal block, with universal foot for mounting on NS 32... or NS 35...		Gray

Accessories

Cover, width 2.2 mm		Gray
Cover, width 1 mm		Gray
Fixed bridge, for fixed or switchable branches together with slide GS-GSK/S or GS-GSK, divisible		
	10	Silver
Slide, for link connection together with FB 10-GSK/S or FB-GSK, captive screw		
		Silver
Partition plate, for electrical separation of neighboring bridges in terminal center, 0.8 mm thick		Gray
Partition plate, for visual and electrical separation of terminal groups, 0.8 mm thick		Gray
Slide with a test socket, insulated, for the UGSK/S terminal block, M3.5 thread		Transparent
		White
		Red
		Blue
		Yellow
		Green
		Violet
		Gray
		Black
Screwdriver		
Zack marker strip, for labeling the lateral groove		



UGSK/S...



URTK/SS



PSBJ-GSK/S ...

4 mm test socket

Width	Length	Height NS 35/7,5	
8.2	**61**	**53.5**	
Width	Length	Height NS 32	
8.2	**61**	**58.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
57	**500**	**0.5 - 10**	**20 - 8**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	-	-	-
41 / 6	- / -	- / -	-
6	-	-	-
20 - 8	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 4
0.5 - 1.5	0.5 - 4	0.5 - 4	-
			0.5 - 4
11			
M4 / 1.5 - 1.8			
M2,6 / 0.5 - 0.6			
-			
PA			
V2			

Type	I_{max}	Order No.	Pcs. / Pkt.
UGSK/S + GS		**0313085**	50
UGSK/S		**0305080**	50
D-UGSK		**0304023**	50
FB 10- GSK/S	43 A	**0305174**	10
GS-GSK/S		**0305116**	100
TS-GSK		**0304214**	50
ATS-GSK		**0304227**	50
SZS 1,0X4,0		**1205066**	10
ZB 8 (see page 489)			

Width	Length	Height NS 35/7,5	
6.2	**56.5**	**40**	
Width	Length	Height NS 32	
6.2	**56.5**	**45**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
26	**400**	**0.2 - 4**	**24 - 12**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	300	300	-
26 / 4	20 / -	25 / -	-
4	-	-	-
24 - 12	28-12	28-12	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
			0.5 - 2.5
7			
M3 / 0.6 - 0.8			
M2,6 / 0.5 - 0.6			
-			
PA			
V0			

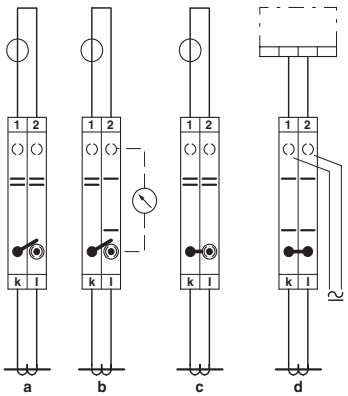
Type	I_{max}	Order No.	Pcs. / Pkt.
URTK/SS		**0321019**	50
D-URTK/SS		**0321022**	50
FBRNI 10-6 N	26 A	**2770626**	10
TS-URTK/SS		**0321213**	50
ATS-URTK/SS		**0321226**	100
SZS 0,6X3,5		**1205053**	10
ZB 6 (see page 487)			

Width	Length	Height NS 35/7,5	
5	**5**	**7**	
Width	Length	Height NS 32	
5	**5**	**-**	
		Max. Ø [mm²]	AWG
		-	**-**
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	-
-	-	-	-
-	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
-	-	-	-
-	-	-	-
-			
- / -			
- / -			
0.6 - 0.8			
-			
-			

Type	Order No.	Pcs. / Pkt.
PSBJ-GSK/S FARBLOS	**0305394**	10
PSBJ-GSK/S WH	**0305310**	10
PSBJ-GSK/S RD	**0305323**	10
PSBJ-GSK/S BU	**0305336**	10
PSBJ-GSK/S YE	**0305349**	10
PSBJ-GSK/S GN	**0305352**	10
PSBJ-GSK/S VT	**0305365**	10
PSBJ-GSK/S GY	**0305378**	10
PSBJ-GSK/S BK	**0305381**	10

Test disconnect terminal blocks URTK/S...





For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

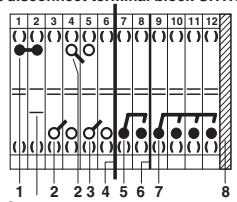
Easy and clear tests can be conducted in current transformer secondary circuits using the test disconnect terminal blocks of the URTK/S range. The URTK/S has a test socket on both sides of the disconnect point, which can be also used for cross connection to the neighboring terminal blocks.

The URTK/SBEN types are equipped with test socket screws for 4 mm Ø test plugs. 2 and 4-pos. short-circuit connectors are available for current transformer short-circuits refer to page 450.

Using the URTK/S, URTK/S-BEN and URTK/S-BEN 10 test disconnect terminal blocks all circuit tasks can be executed with two terminal blocks per current transformer.

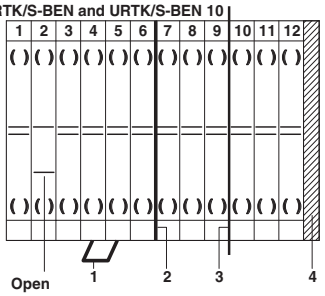
a Normal operation
b Measuring value test
c Transformer short-circuit
d Relay test

Test disconnect terminal block URTK/S



	Type	Order no.
1	FB 10-RTK/S	0311171
2	USB 2-RTK/S	0311278
3	ASB 2-RTK/S	0311281
4	ATS-RTK	0310224
5	SB 2-RTK/S	0311236
6	TS-RTK	0310211
7	SB 4-RTK/S	0311265
8	D-URTK	0310020

Test disconnect terminal block for URTK/S-BEN and URTK/S-BEN 10



	Type	Order no.
1	EB 2-8	0202154
2	TS-RTK-BEN	0308210
3	ATS-RTK-BEN	0308223
4	D-URTK/S-BEN	0308029

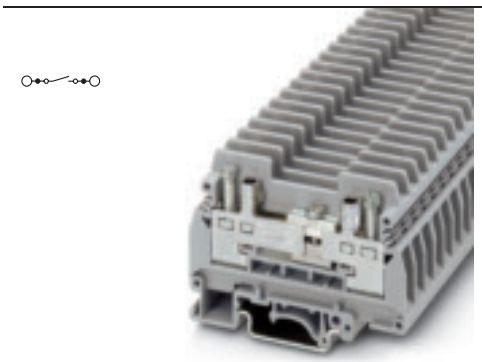
Dimensions	
	[mm]
Dimensions	
	[mm]
Max. electrical data	
Rated data	
Rated voltage	[V]
Nominal current / cross-section	[A] / [mm²]
Rated cross-section	[mm²]
Cross-section range	AWG
Connection capacity	
One conductor	[mm²]
Two conductors (of the same type)	[mm²]
Two stranded conductors with a TWIN ferrule	[mm²]
Max. cross-section with insertion bridge	[mm²]
General data	
Stripping length	[mm]
Terminal point: thread / torque	- / [Nm]
Disconnect slide: thread / torque	- / [Nm]
Insulating material	
Inflammability class acc. to UL 94	

Ordering data

Description	No. of pos.	Color
Terminal block, with universal foot for mounting on NS 32... or NS 35...		Gray

Accessories

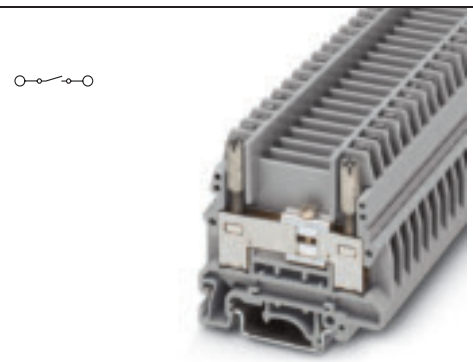
Cover, width 2.2 mm		Gray
Insertion bridge, fully insulated		
	2	Gray
	3	Gray
	10	Gray
Fixed bridge, for cross connections on both sides of the disconnect point, divisible, with 10 screws		
	10	Silver
Switching jumper for two terminal blocks, usable for both sides of the disconnect point, with 2 screws		
Inward switching		Silver
Outward switching		Silver
Switch bar for 2 terminal blocks, with 2 screws		
	2	Silver
Switching jumper, for 3-phase short-circuiting of of linked current transformer sets, with 4 screws		
	4	Silver
Separating plate, for electrical separation of neighboring bridges at the terminal center		Gray
Partition plate, for visual and electrical separation of terminal groups		Gray
Switching lock, prevents of an unintentional operation of the disconnect slide		White
Screwdriver		
Zack marker strip, for labeling the lateral groove		



URTK/S

Width	Length	Height NS 35/7,5	
8.2	**72**	**51.5**	
Width	Length	Height NS 32	
8.2	**72**	**56**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
57	**400**	**0.5 - 10**	**20 - 8**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	300	300	-
41 / 6	50 / -	40 / -	-
6	-	-	-
20 - 8	26-8	26-10	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 4
0.5 - 2.5	0.5 - 6	0.5 - 4	-
			0.5 - 4
13			
M4 / 1.2 - 1.5			
M3 / 0.6 - 0.8			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
URTK/S		**0311087**	50
D-URTK		**0310020**	50
EB 2- 8	46 A	**0202154**	100
EB 3- 8	46 A	**0202141**	100
EB 10- 8	46 A	**0202138**	10
FB 10- RTK/S	45 A	**0311171**	10
USB 2-RTK/S	39 A	**0311278**	10
ASB 2-RTK/S	39 A	**0311281**	10
SB 2-RTK/S	39 A	**0311236**	10
SB 4-RTK/S	39 A	**0311265**	10
TS-RTK		**0310211**	50
ATS-RTK		**0310224**	100
S		**0308359**	100
SZS 1,0X4,0		**1205066**	10
ZB 8 (see page 489)			



URTK/S-BEN

Width	Length	Height NS 35/7,5	
8.2	**61**	**58.5**	
Width	Length	Height NS 32	
8.2	**61**	**63.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
57	**500**	**0.5 - 10**	**20 - 8**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	300	300	-
41 / 6	50 / -	40 / -	-
6	-	-	-
20 - 8	26-8	26-10	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 4
0.5 - 2.5	0.5 - 6	0.5 - 4	-
			0.5 - 4
10	6		
10			
M4 / 1.5 - 1.8			
M3 / 0.6 - 0.8			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
URTK/S-BEN		**0309086**	50
D-URTK/S-BEN		**0308029**	50
EB 2- 8	46 A	**0202154**	100
EB 3- 8	46 A	**0202141**	100
EB 10- 8	46 A	**0202138**	10
TS-RTK-BEN		**0308210**	50
ATS-RTK-BEN		**0308223**	100
SZG 0,9X6,5		**1205134**	10
ZB 8 (see page 489)			

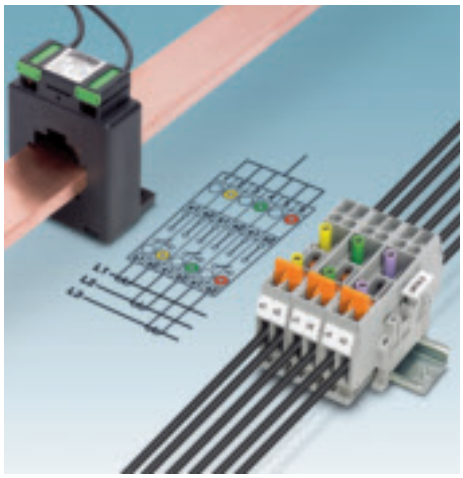


URTK/S-BEN 10

Width	Length	Height NS 35/7,5	
8.2	**61**	**58.5**	
Width	Length	Height NS 32	
8.2	**61**	**63.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
76	**500**	**0.5 - 16**	**20 - 6**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	600	600	-
57 / 10	50 / -	55 / -	-
10	-	-	-
20 - 6	26-8	26-8	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.5 - 16	0.5 - 10	0.5 - 10	0.5 - 6
0.5 - 10	0.5 - 6	0.5 - 6	-
			0.5 - 6
10	10		
11			
M4 / 1.5 - 1.8			
M3 / 0.6 - 0.8			
PA			
V2			

Type	I_{max}	Order No.	Pcs. / Pkt.
URTK/S-BEN 10		**0309109**	50
D-URTK/S-BEN		**0308029**	50
EB 2- 8	57 A	**0202154**	100
EB 3- 8	57 A	**0202141**	100
EB 10- 8	57 A	**0202138**	10
TS-RTK-BEN		**0308210**	50
ATS-RTK-BEN		**0308223**	100
SZG 0,9X6,5		**1205134**	10
ZB 8 (see page 489)			

Test disconnect and slide-type terminal blocks URTK 6 and UGSK 6



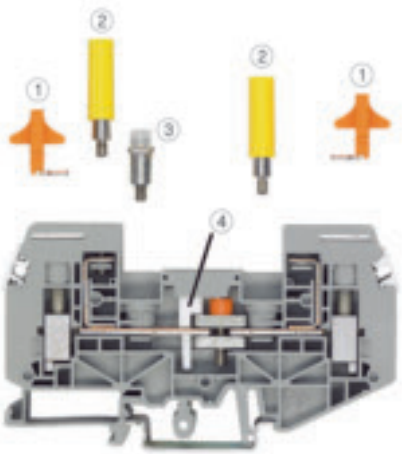


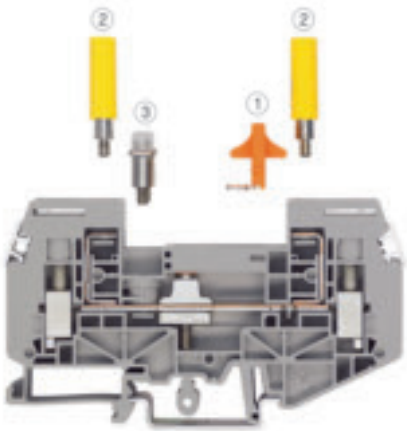
For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

For other test sockets, see page 447.

The URTK 6 test disconnect terminal block and the UGSK 6 slide-type terminal block have been developed especially for use in current transformer secondary circuits. The terminal blocks can be equipped with fixed and switchable jumpers and 4 mm Ø test sockets on both sides. The operability is simple and clear. The terminal block and the accessories have been designed in a touch-proof manner as per BGV A2, thus providing maximum safety to the operating personnel.

The extensive range of accessories of the URTK 6 test disconnect terminal blocks can also be used for the SRTK 6 test disconnect terminal blocks with spring-cage connection. For more information and technical data about spring-cage connection variants, see page 125.





Only two URTK 6 test disconnect terminal blocks are required for a current transformer measuring circuit. This means that less space is required compared with a circuit design using slide-type terminal blocks.

① SB... switching jumper
② 4 mm test sockets Ø PSBJ-URTK 6...
③ Fixed bridge for cross connection FBRI 10-8 N
④ Switching lock S-URTK/SP

Several measuring devices or protective relays can be connected individually using the UGSK 6 slide-type terminal block. For this purpose, the slide can be connected with the switching jumper depending on the switching task.

① SB... switching jumper
② 4 mm test sockets Ø PSBJ-URTK ...
③ Fixed bridge for cross connection FBRI 10-8 N

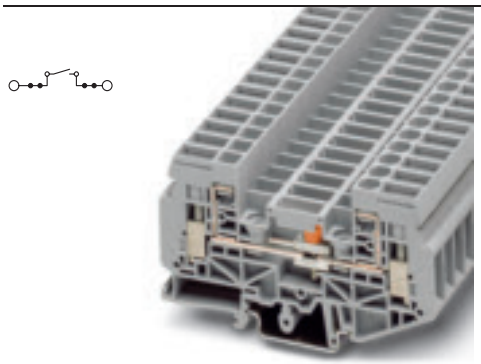
Dimensions	
	[mm]
Max. electrical data	
Rated data	
Rated voltage	[V]
Nominal current / cross-section	[A] / [mm²]
Rated cross-section	[mm²]
Cross-section range	AWG
Connection capacity	
One conductor	[mm²]
Two conductors (of the same type)	[mm²]
Two stranded conductors with a TWIN ferrule	[mm²]
General data	
Stripping length	[mm]
Terminal point: thread / torque	- / [Nm]
Disconnect slide: thread / torque	- / [Nm]
Torque: test socket, fixed bridge, switch bar	[Nm]
Insulating material	
Inflammability class acc. to UL 94	

Ordering data

Description	No. of pos.	Color
Test disconnect terminal block, with universal foot for mounting on NS 32... or NS 35...		Gray
Feed-through terminal block, with universal foot, for mounting on NS 32... or NS 35...		Gray

Accessories

Cover, width 2.2 mm		Gray
Switching jumper, complete		
	2	Orange
	3	Orange
	4	Orange
	10	Orange
For bridging between non-adjacent terminals	10	Orange
Fixed bridge, for cross connections in the terminal center, screw heads with insulating collar, divisible, with 10 screws		
	10	Silver
Switching lock, prevents of an unintentional operation of the disconnect slide		White
Test socket, insulated		Transparent Blue Yellow Green Violet Black
Short-circuit connector, for short-circuiting neighboring terminal blocks, fully insulated, 2-pos.		Black
Short-circuit connector, for short-circuiting neighboring terminal blocks, fully insulated, 4-pos.		Black
Screwdriver, for the terminal point		
Screwdriver, for the test socket		
UniCard sheet, for labeling the lateral groove		
Zack marker strip, for labeling the lateral groove		



URTK 6

Width	Length	Height NS 35/7,5	
8.2	**91**	**51**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
57	**400**	**0.5 - 10**	**20 - 8**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	300	-	-
41 / 6	50 / -	- / -	-
6	-	-	-
20 - 8	26-8	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
0.5 - 2.5	0.5 - 4	0.5 - 2.5	-
			0.5 - 4
10			
M4 / 1.2 - 1.4			
M3 / 0.6 - 0.8			
0.6 - 0.8			
PA			
V0			

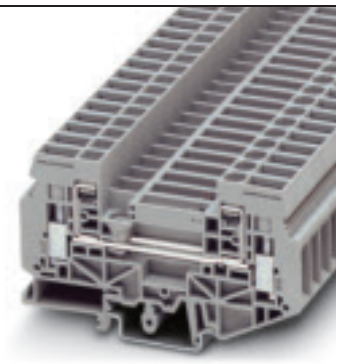
Type	I_{max}	Order No.	Pcs. / Pkt.
URTK 6		**3026272**	50
D-URTK 6		**3026340**	10
SB 2-8-T	41 A	**3026366**	10
SB 3-8-T	41 A	**3026492**	10
SB 4-8-T	41 A	**3026379**	10
SB 10-8-T	41 A	**3026382**	10
SB 10-8-T SO	41 A	**3026395**	10
FBRI 10-8 N	45 A	**2772080**	10
S-URTK/SP		**0311155**	50
PSBJ-URTK 6 FARBLOS		**3026450**	10
PSBJ-URTK 6 BU		**3026434**	10
PSBJ-URTK 6 YE		**3026405**	10
PSBJ-URTK 6 GN		**3026418**	10
PSBJ-URTK 6 VT		**3026421**	10
PSBJ-URTK 6 BK		**3026447**	10
KSSI 2-8		**3000722**	10
KSSI 4-8		**3000735**	10
SZS 1,0X4,0		**1205066**	10
SZS 0,6X3,5		**1205053**	10
UC-TM 8 (see page 479)			
ZB 8 (see page 489)			



UGSK 6

Width	Length	Height NS 35/7,5	
8.2	**91**	**51**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
57	**400**	**0.5 - 10**	**20 - 8**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	300	-	-
41 / 6	50 / -	- / -	-
6	-	-	-
20 - 8	26-8	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
0.5 - 2.5	0.5 - 4	0.5 - 2.5	-
			0.5 - 4
10			
M4 / 1.2 - 1.4			
M3 / 0.6 - 0.8			
0.6 - 0.8			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
UGSK 6		**3026285**	50
D-URTK 6		**3026340**	10
SB 2-8-T	41 A	**3026366**	10
SB 3-8-T	41 A	**3026492**	10
SB 4-8-T	41 A	**3026379**	10
SB 10-8-T	41 A	**3026382**	10
SB 10-8-T SO	41 A	**3026395**	10
FBRI 10-8 N	45 A	**2772080**	10
PSBJ-URTK 6 FARBLOS		**3026450**	10
PSBJ-URTK 6 BU		**3026434**	10
PSBJ-URTK 6 YE		**3026405**	10
PSBJ-URTK 6 GN		**3026418**	10
PSBJ-URTK 6 VT		**3026421**	10
PSBJ-URTK 6 BK		**3026447**	10
KSSI 2-8		**3000722**	10
KSSI 4-8		**3000735**	10
SZS 1,0X4,0		**1205066**	10
SZS 0,6X3,5		**1205053**	10
UC-TM 8 (see page 479)			
ZB 8 (see page 489)			

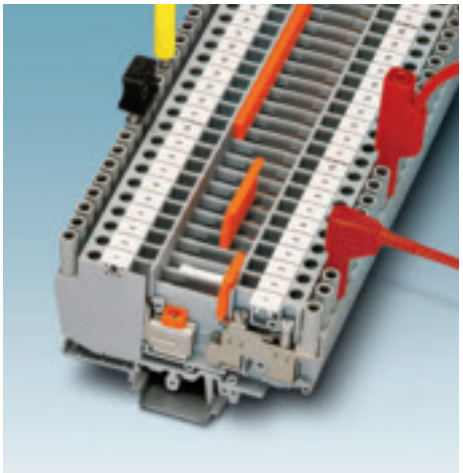


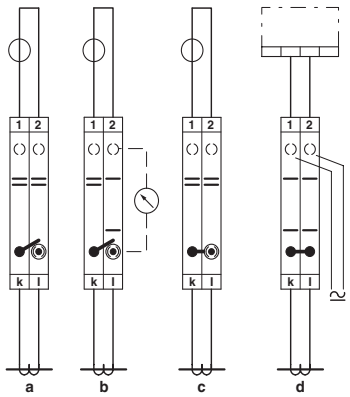
URDK 6

Width	Length	Height NS 35/7,5	
8.2	**91**	**51**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
57	**400**	**0.5 - 10**	**20 - 8**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	300	-	-
41 / 6	50 / -	- / -	-
6	-	-	-
20 - 8	26-8	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
0.5 - 2.5	0.5 - 4	0.5 - 2.5	-
			0.5 - 4
10			
M4 / 1.2 - 1.4			
- / -			
0.6 - 0.8			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
URDK 6		**3026706**	50
D-URTK 6		**3026340**	10
SB 2-8-T	41 A	**3026366**	10
SB 3-8-T	41 A	**3026492**	10
SB 4-8-T	41 A	**3026379**	10
SB 10-8-T	41 A	**3026382**	10
SB 10-8-T SO	41 A	**3026395**	10
FBRI 10-8 N	45 A	**2772080**	10
PSBJ-URTK 6 FARBLOS		**3026450**	10
PSBJ-URTK 6 BU		**3026434**	10
PSBJ-URTK 6 YE		**3026405**	10
PSBJ-URTK 6 GN		**3026418**	10
PSBJ-URTK 6 VT		**3026421**	10
PSBJ-URTK 6 BK		**3026447**	10
KSSI 2-8		**3000722**	10
KSSI 4-8		**3000735**	10
SZS 1,0X4,0		**1205066**	10
SZS 0,6X3,5		**1205053**	10
UC-TM 8 (see page 479)			
ZB 8 (see page 489)			

Test disconnect terminal blocks
URTK/SP





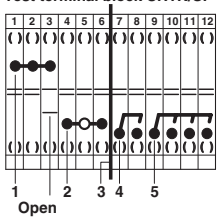
The test disconnect terminal block URTK/SP is ideal for all measuring and testing tasks in current transformer secondary circuits. The terminals can be fitted on both sides with fixed and switchable jumpers. Touch-proof 4 mm Ø test sockets are already permanently integrated. These test disconnect terminal blocks offer an ideal overview for all measuring and testing work.

The URTKD/SP can be used as a feed-through terminal block with the same shape without the disconnecting function.

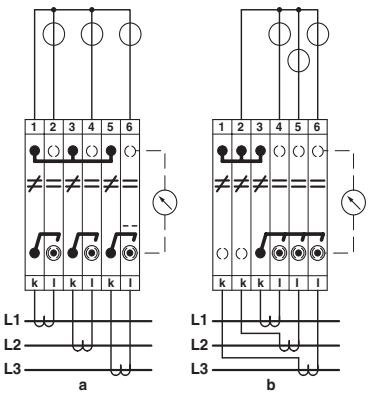
The URTK/SP test disconnect terminal block and the SB 2-8-T 2-position switch bar can be used to perform all switching tasks per current transformer core.

a Normal operation
b Measuring value test
c Transformer short-circuit
d Relay test

Test terminal block URTK/SP



	Type	Order no.
1	FBI 10-8	0202263
	FB 10-URTK/SP	0311663
2	ISSBI 10-8	0301534
	+ IS-K 10	1303337
3	ATP-URTK/SP	0311139
4	SB 2-URTK/SP	0360012
5	SB 4-URTK/SP	0360025



Circuit example

a Three-phase current transformer set
b Linked three-phase current transformer set

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

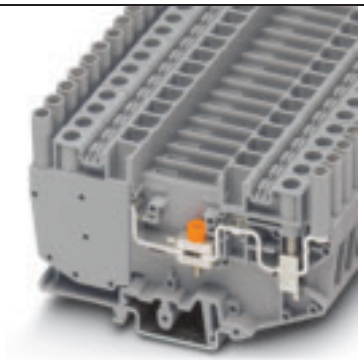
Dimensions	
	[mm]
Dimensions	
	[mm]
Max. electrical data	
Rated data	
Rated voltage	[V]
Nominal current / cross-section	[A] / [mm²]
Rated cross-section	[mm²]
Cross-section range	AWG
Connection capacity	
One conductor	[mm²]
Two conductors (of the same type)	[mm²]
Two stranded conductors with a TWIN ferrule	[mm²]
General data	
Stripping length	[mm]
Terminal point: thread / torque	- / [Nm]
Disconnect slide: thread / torque	- / [Nm]
Insulating material	
Inflammability class acc. to UL 94	

Ordering data

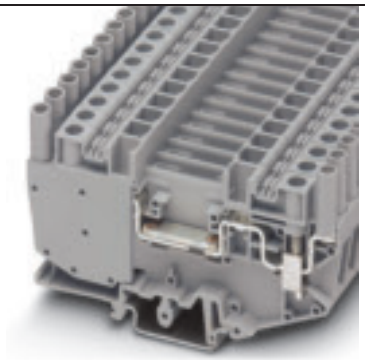
Description	No. of pos.	Color
Test disconnect terminal block, with universal foot for mounting on NS 32... or NS 35...		Gray
Feed-through terminal block, with universal foot, for mounting on NS 32... or NS 35...		Gray

Accessories

Fixed bridge, for cross connections in the terminal center, screw heads with insulating collar, divisible, with 10 screws	10	Silver
Fixed jumper, for cross connections on both sides of the disconnect point, insulated, divisible, with 10 screws	10	Silver
Switching jumper for 2 terminal blocks, for use on both sides of the disconnect point, inward switching movement, with 2 screws	2	Silver
	4	Silver
Isolator bridge bar, divisible, with 10 screws, for switchable branches with **IS-K...**	10	Silver
Bridge bar isolator, as distance piece for isolator bridge bar		Gray
Switching lock, prevents of an unintentional operation of the disconnect slide		White
Partition plate, for visual and electrical separation of terminal groups, 2 mm thick		Gray
Short-circuit connector, for short-circuiting neighboring terminal blocks, fully insulated, 2-pos.		Black
Short-circuit connector, for short-circuiting neighboring terminal blocks, fully insulated, 4-pos.		Black
Screwdriver		
Zack marker strip, for labeling the lateral groove		



URTK/SP



URTKD/SP



KSSI ...

Width	Length	Height NS 35/7,5	
8.2	**99.5**	**59**	
Width	Length	Height NS 32	
8.2	**99.5**	**64**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
50	**500**	**0.5 - 10**	**20 - 8**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	300	300	-
41 / 6	45 / -	45 / -	-
6	-	-	-
20 - 8	26-8	26-8	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
0.5 - 2.5	0.5 - 4	0.5 - 2.5	-
			0.5 - 4
11			
M4 / 1.5 - 1.8			
M3 / 0.6 - 0.8			
PA			
V0			

Width	Length	Height NS 35/7,5	
8.2	**99.5**	**59**	
Width	Length	Height NS 32	
8.2	**99.5**	**64**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
50	**500**	**0.5 - 10**	**20 - 8**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	-	-	-
41 / 6	- / -	- / -	-
6	-	-	-
20 - 8	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
0.5 - 2.5	0.5 - 4	0.5 - 2.5	-
			0.5 - 4
11			
M4 / 1.5 - 1.8			
- / -			
PA			
V0			

Width	Length	Height NS 35/7,5	
		-	
Width	Length	Height NS 32	
		-	
		Max. Ø [mm²]	AWG
		-	**-**
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	-
-	-	-	-
-	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
-	-	-	-
-	-	-	-
-			
- / -			
- / -			
PA-F			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
URTK/SP		**0311126**	50
FBI 10- 8	50 A	**0203263**	10
FB 10- URTK/SP	50 A	**0311663**	10
SB 2-URTK/SP	35 A	**0360012**	10
SB 4-URTK/SP	35 A	**0360025**	10
ISSBI 10- 8	35 A	**0301534**	10
IS-K 10		**1303337**	100
S-URTK/SP		**0311155**	50
ATP-URTK/SP		**0311139**	10
SZS 1,0X4,0		**1205066**	10
ZB 8 (see page 489)			

Type	I_{max}	Order No.	Pcs. / Pkt.
URTKD/SP		**0311142**	50
FBI 10- 8	50 A	**0203263**	10
FB 10- URTK/SP	50 A	**0311663**	10
SB 2-URTK/SP	35 A	**0360012**	10
SB 4-URTK/SP	35 A	**0360025**	10
ISSBI 10- 8	35 A	**0301534**	10
IS-K 10		**1303337**	100
ATP-URTK/SP		**0311139**	10
SZS 1,0X4,0		**1205066**	10
ZB 8 (see page 489)			

Type	Order No.	Pcs. / Pkt.
KSSI 2-8	**3000722**	10
KSSI 4-8	**3000735**	10

Terminal blocks with slip-on connection UVKB ... and UHK ...



In many cases, the front slip-on connection is the optimum wiring concept. This wiring concept is practical mainly in restricted spaces where cable ducts have to be moved close to the terminal strip. The walls of the housing protrude only slightly over the metal parts, since fully insulated slip-on sleeves are connected to each other.

Owing to the characteristic arrangement of three flat connectors on each terminal block side, UHK... terminal blocks prove to be advantageous in technical applications:

– Economical use of terminal blocks and bridge connections
– Comfortable operation, i. e., free view of the connectors, good connector accessibility and quick connection check
– The marking is easily visible due to the smart wire guiding in the lateral cable ducts
– Reading the marking from the front

Since the connectors are slit, it is possible to slide one fully insulated or two bare 2.8 mm slip-on sleeves instead of one 6.3 mm slip-on sleeve onto them.

For a matching slip-on sleeve, see page 675.

[1]) Current and voltage data for slip-on connections in acc. with EN 61210 are also dependent on nominal size, material, insulation of the receptacle and conductor cross-section.





UVKB 4-FS(6-2,8-0,8)

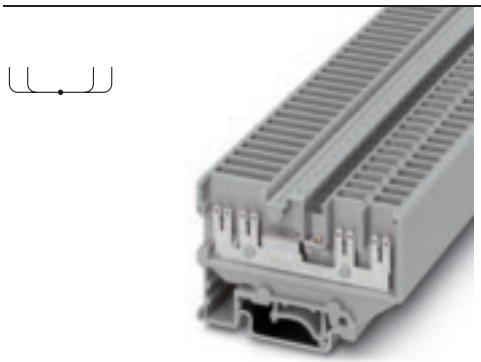
Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**6.2**	**68**	**44**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**6.2**	**68**	**49**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		32[1])	**500[1])**	**0.2 - 4**	**24 - 12**
Rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500[1])	300	-	-
Nominal current / cross-section	[A] / [mm²]	32[1]) / 4	25 / -	- / -	-
Rated cross-section	[mm²]	4	-	-	-
Cross-section range	AWG	24 - 12	28-12	-	-
Connection capacity, screw connection		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
Two conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 2.5
Max. cross-section with insertion bridge	[mm²]	4	4		
General data					
Stripping length	[mm]	8			
Screw thread		M3			
Tightening torque	[Nm]	0.6 - 0.8			
Insulating material		PA			
Inflammability class acc. to UL 94		V2			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal, with universal foot, for mounting on NS 32... or NS 35..., with slotted 6.3/2.8 mm flat connectors[1])		Gray	**UVKB 4-FS(6-2,8-0,8)**		**1954016**	50

Accessories

Cover, width 2.2 mm		Gray	**D-UVKB 4**		**1920024**	50
Cover, width 2.3 mm		Gray				
Fixed bridge, for cross connections in the terminal center, screw heads with insulating collar, divisible, with 10 screws	10	Silver	**FBI 10- 6**	24 A	**0203250**	10
Insertion bridge, fully insulated	2	Gray	**EB 2- 6**	24 A	**0201155**	100
	3	Gray	**EB 3- 6**	24 A	**0201142**	100
	10	Gray	**EB 10- 6**	24 A	**0201139**	10
Isolator bridge bar, divisible, with 10 screws, for switchable branches with **IS-K...**	10	Silver	**ISSBI 10- 6**	24 A	**0301505**	10
Bridge bar isolator, as distance piece for isolator bridge bar		Gray	**IS-K 4**		**1302338**	100
Separating disk, for electrical separation of neighboring bridges, can be fitted later, no loss of pitch		Gray	**TS-K**		**1302215**	50
Partition plate, for visual and electrical separation of terminal groups, 2.3 mm thick		Gray				
Test socket		Silver	**PSB 3/10/4**		**0601292**	10
Test socket, insulated, can be used only with FBI and ISSBI		Silver	**PSBJ 3/13/4**		**0201304**	10
Screwdriver			**SZS 0,6X3,5**		**1205053**	10
Zack markers, for labeling the center groove			**ZB 6 (see page 487)**			



UVKB 4-FS/FS(8-2,8-0,8)

Width	Length	Height NS 35/7,5	
6.2	**68**	**44**	
Width	Length	Height NS 32	
6.2	**68**	**49**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
32[1])	**800[1])**	**-**	**-**
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800[1])	300	-	-
32[1]) / 4	25 / -	- / -	-
4	-	-	-
-	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
-	-	-	-
-	-	-	-
-			
-			
-			
PA			
V2			

Type	I_{max}	Order No.	Pcs. / Pkt.
UVKB 4-FS/FS(8-2,8-0,8)		**1953017**	50
D-UVKB 4		**1920024**	50
FBI 10- 6	24 A	**0203250**	10
ISSBI 10- 6	24 A	**0301505**	10
IS-K 4		**1302338**	100
TS-K		**1302215**	50
PSB 3/10/4		**0601292**	10
PSBJ 3/13/4		**0201304**	10
ZB 6 (see page 487)			



UHK 4-FS(8-2,8-0,8)

Width	Length	Height NS 35/7,5	
6.2	**54**	**51.5**	
Width	Length	Height NS 32	
6.2	**54**	**56.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
40[1])	**800[1])**	**0.2 - 4**	**24 - 12**
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800[1])	250	600	-
32[1]) / 4	25 / -	20 / -	-
4	-	-	-
24 - 12	28-12	28-14	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	- 0.5 - 2.5
4	4		
9			
M3			
0.6 - 0.8			
PA			
V2			

Type	I_{max}	Order No.	Pcs. / Pkt.
UHK 4-FS(8-2,8-0,8)		**2017237**	50
D-HK 4		**2002022**	50
EB 2- 6	30 A	**0201155**	100
EB 3- 6	30 A	**0201142**	100
EB 10- 6	30 A	**0201139**	10
D-UVK 4		**1922022**	50
SZS 0,6X3,5		**1205053**	10
ZB 6 (see page 487)			



UHK 4-FS/FS(12-2,8-0,8)

Width	Length	Height NS 35/7,5	
6.2	**54**	**51.5**	
Width	Length	Height NS 32	
6.2	**54**	**56.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
40[1])	**800[1])**	**-**	**-**
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800[1])	250	600	-
40[1]) / -	25 / -	20 / -	-
-	-	-	-
-	-	22-14	-
Solid	Stranded	Ferrule without / with plastic sleeve	
-	-	-	-
-	-	-	-
-			
-			
-			
PA			
V2			

Type	Order No.	Pcs. / Pkt.
UHK 4-FS/FS(12-2,8-0,8)	**2017224**	50
D-HK 4	**2002022**	50
D-UVK 4	**1922022**	50
ZB 6 (see page 487)		

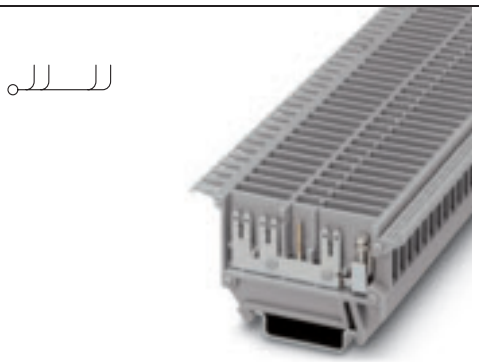
Terminal blocks with slip-on connection VBST ... and PVB ...

The special feature of the VBST 4-FS (6-2,8-0,8) is the gold-plated contact pin for the central insertion of a 10-position module connector. This gives the terminal block the additional function of a plug-in coupler, making it possible to connect single control subassemblies to the terminal strip in a flash.

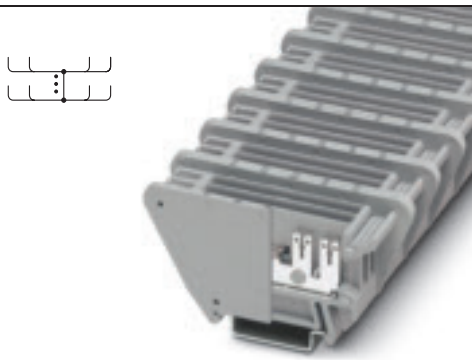
For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

1) Current and voltage data for slip-on connections in acc. with EN 61210 are also dependent on nominal size, material, insulation of the receptacle and conductor cross-section.

2) Nominal current of the module connector per position: 13 A



VBST 4-FS(6-2,8-0,8)



PVB ...

Dimensions		Width	Length	Height NS 35/7,5		Width	Length	Height NS 35/7,5	
	[mm]	**6.2**	**72**	**39.5**		**17**	**80**	**43.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG	$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		32²)	**800¹)**	**0.2 - 4**	**24 - 12**	**30¹)**	**800¹)**	**-**	**-**
Rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7	IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	800¹)	-	-	-	800¹)	-	-	-
Nominal current / cross-section	[A] / [mm²]	24 / 2.5	- / -	- / -	-	30¹) / 4	- / -	- / -	-
Rated cross-section	[mm²]	2.5	-	-	-	4	-	-	-
Cross-section range	AWG	24 - 12	-	-	-	-	-	-	-
Connection capacity, screw connection		Solid	Stranded	Ferrule without / with plastic sleeve		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.2 - 4	0.2 - 2.5	0.25 - 4	0.25 - 2.5	-	-	-	-
Two conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 1	-	-	-	-	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1.5				
Max. cross-section with insertion bridge	[mm²]	2.5	2.5						
General data									
Stripping length	[mm]	8				-			
Screw thread		M3				-			
Tightening torque	[Nm]	0.6 - 0.8				-			
Insulating material		PA				PA			
Inflammability class acc. to UL 94		V2				V2			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Terminal, for mounting on NS 35..., with slotted 6.3/2.8 mm flat connectors, for equipotential bonding via 2 terminals (8 slots), terminal width: 17 mm		Gray	**VBST 4-FS(6-2,8-0,8)**		**0852012**	50			
Equipotential bonder, for mounting on NS 35..., with slotted 6.3/2.8 mm flat connectors, 8 slots, terminal width: 17 mm		Gray					**PVB 2**	**0870023**	10
Equipotential bonder, for mounting on NS 35..., with slotted 6.3/2.8 mm flat connectors, 12 slots, terminal width: 23.2 mm		Gray					**PVB 3**	**0870036**	10
Equipotential bonder, for mounting on NS 35..., with slotted 6.3/2.8 mm flat connectors, 20 slots, terminal width: 35.6 mm		Gray					**PVB 5**	**0870052**	10
Equipotential bonder, for mounting on NS 35..., with slotted 6.3/2.8 mm flat connectors, 40 slots, terminal width: 66.6 mm		Gray					**PVB10**	**0870120**	5

Accessories

Cover and **partition plate,** width 2.2 mm		Gray	**D/TP-VBS**		**0851026**	50			
Insertion bridge, fully insulated									
	2	Gray	**EB 2- 6**	24 A	**0201155**	100			
	3	Gray	**EB 3- 6**	24 A	**0201142**	100			
	10	Gray	**EB 10- 6**	24 A	**0201139**	10			
Screwdriver			**SZS 0,6X3,5**		**1205053**	10			
Zack markers, for labeling the center groove			**ZB 6 (see page 487)**				**ZB 6 (see page 487)**		

Terminal blocks with slip-on connection USK ...

For a matching slip-on sleeve, see page 675.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

1) Current and voltage data for slip-on connections in acc. with EN 61210 are also dependent on nominal size, material, insulation of the receptacle and conductor cross-section.



USK 4-FSR(4-2,8-0,8)



USK 4-FS/FS(8-2,8-0,8)

Dimensions		Width	Length	Height NS 35/7,5		Width	Length	Height NS 35/7,5	
	[mm]	**6.2**	**42.5**	**45.5**		**6.2**	**42.5**	**45.5**	
Dimensions		Width	Length	Height NS 32		Width	Length	Height NS 32	
	[mm]	**6.2**	**42.5**	**50.5**		**6.2**	**42.5**	**50.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG	$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		32[1])	**800[1])**	**0.2 - 4**	**24 - 12**	**32[1])**	**800[1])**	**-**	**-**
Rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7	IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	800[1])	600	600	-	800[1])	600	600	-
Nominal current / cross-section	[A] / [mm²]	32[1]) / 4	20 / -	20 / -	-	32[1]) / 4	20 / -	20 / -	-
Rated cross-section	[mm²]	4	-	-	-	4	-	-	-
Cross-section range	AWG	24 - 12	28-12	28-12	-	-	-	-	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5	-	-	-	-
Two conductors (of the same type)	[mm²]	0.2 - 1	0.2 - 1.5	0.25 - 1.5	-	-	-	-	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 2.5				
Max. cross-section with insertion bridge	[mm²]	2.5	2.5						
General data									
Stripping length	[mm]	9				9			
Screw thread		M3				M3			
Tightening torque	[Nm]	0.6 - 0.8				0.6 - 0.8			
Insulating material		PA				PA			
Inflammability class acc. to UL 94		V2				V2			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Terminal block, with universal foot for mounting on NS 32... or NS 35...		Gray	**USK 4-FSR(4-2,8-0,8)**		**0270018**	50			
Terminal, with universal foot, for mounting on NS 32... or NS 35..., with slotted 6.3/2.8 mm flat connectors		Gray					**USK 4-FS/FS(8-2,8-0,8)**	**0271017**	50

Accessories

Cover, width 1.3 mm		Gray	**D-USK 4/10**		**0260028**	50	**D-USK 4/10**	**0260028**	50
Insertion bridge, fully insulated									
	2	Gray	**EB 2- 6**	24 A	**0201155**	100			
	3	Gray	**EB 3- 6**	24 A	**0201142**	100			
	10	Gray	**EB 10- 6**	24 A	**0201139**	10			
Screwdriver			**SZS 0,6X3,5**		**1205053**	10			
Zack markers, for labeling the center groove			**ZB 6 (see page 487)**				**ZB 6 (see page 487)**		

Multi-level terminal block with screw/slip-on connection VKK ...



On the one hand, it has screw connections for 4 mm² stranded conductors, and on the other hand, it permits the connection of one 6.3 mm slip-on sleeve or two 2.8 mm slip-on sleeves. In addition, it is possible to connect polarized STG...-VKK multi-position module connectors on both levels and on both connection sides (instead of the 2.8 mm connection sleeves).

Due to the closed insulation housing, an end cover is no longer required as an accessory. The terminal block is 7.62 mm wide in accordance with the pitch dimension of the multiposition module connectors. There is a slight level offset within the housing between the upper and the lower levels to improve accessibility to the lower level. The housing shows no level offset externally. Also to improve handling, the offset on the screw side is greater than on the slip-on connection side.

The terminal blocks are supplied interlocked, i.e. as quick-mounting blocks of 10 which snap onto the NS 35/7,5 DIN rail.

The outgoing conductors can be arranged on the slip-on connection side in guide lugs. In addition, the housing has angled slots in this area for mounting flat connector potential busbars.

The modules are labeled using the 10-section zack marker strip ZB 7,62 with vertical printing. Group labels and/or section formation is possible by means of the 1.5 mm thick group marker plate SAD-VKK 4.

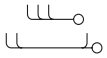
For a matching slip-on sleeve, see page 675.

For the operating current of the STG-MTN module female contacts depending on the ambient temperature, see page 452.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) Current and voltage data for slip-on connections in acc. with EN 61210 are also dependent on nominal size, material, insulation of the receptacle and conductor cross-section.

[2]) The nominal voltage amounts to 250 V when using the potential busbar S-FS(2,8-0,8).





VKK 4-FS

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**7.6**	**101**	**55.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		30[1])	**400[2])**	**0.2 - 4**	**24 - 12**
Rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400[2])	-	-	-
Nominal current / cross-section	[A] / [mm²]	30[1]) / 4	- / -	- / -	-
Rated cross-section	[mm²]	4	-	-	-
Cross-section range	AWG	24 - 12	-	-	-
Connection capacity, screw connection		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.2 - 4	0.2 - 4	0.25 - 2.5	0.25 - 2.5
Two conductors (of the same type)	[mm²]	0.2 - 1	0.2 - 1.5	0.25 - 1.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1.5
General data					
Stripping length	[mm]	7			
Screw thread		M3			
Tightening torque	[Nm]	0.6 - 0.8			
Insulating material		PA			
Inflammability class acc. to UL 94		V2			

Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.
Double-level terminal block, for mounting on NS 35...		Gray	**VKK 4-FS**	**0891015**	50

Accessories

Module connector housing, for fitting the module female contacts STG-MTN	8	Gray	**STG 8-VKK4**	**3190386**	50
Module female contact, is inserted into connector housing STG after the conductor has been crimped, 0.5-1 mm²					
for wires from 0.5 ... 1.0 mm²			**STG-MTN 0,5-1,0**	**3190438**	100
For conductors from 1.5 ... 2.5 mm²			**STG-MTN 1,5-2,5**	**3190506**	100
Group marker plate, for group marking with 2 labels **type...6**, 1.5 mm thick		Gray	**SAD-VKK 4**	**1002049**	50
Busbar, with slotted 6.3/2.8 mm flat connectors, brass, tin-plated, length: 1 m			**S-FS (2,8X0,8)**	**3191699**	1
Strain relief, for STG 8-position connector housings, with single-sided coupling spring		Black	**STGZ BK**	**3193134**	10
Contact removal tool, for removing the module female contacts		Gray	**STG-EW**	**3190441**	1
Crimping tool, for crimping conductors to the module female contacts STG-MTN		Black	**CRIMPFOX MT 2,5**	**1204038**	1
Screwdriver			**SZS 0,6X3,5**	**1205053**	10
Zack markers, for labeling the center groove			**ZB 7,62 (see page 489)**		

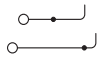
Multi-level terminal blocks with screw/slip-on connection UKK ...

For a matching slip-on sleeve, see page 675.

Important note:
The notched partition plate must be removed to bridge the terminal blocks.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) Current and voltage data for slip-on connections in acc. with EN 61210 are also dependent on nominal size, material, insulation of the receptacle and conductor cross-section.





UKK 4-FS





UKK 4-FS/FS

Dimensions		Width	Length	Height NS 35/7,5		Width	Length	Height NS 35/7,5	
	[mm]	**6.2**	**72**	**59**		**6.2**	**72**	**59**	
Dimensions		Width	Length	Height NS 32		Width	Length	Height NS 32	
	[mm]	**6.2**	**72**	**64**		**6.2**	**72**	**64**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG	$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		20[1])	**400[1])**	**0.2 - 4**	**24 - 12**	**20[1])**	**400[1])**	**-**	**-**
Rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7	IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400[1])	300	-	-	400[1])	300	-	-
Nominal current / cross-section	[A] / [mm²]	20[1]) / 4	20 / -	- / -	-	20[1]) / 4	20 / -	- / -	-
Rated cross-section	[mm²]	4	-	-	-	4	-	-	-
Cross-section range	AWG	24 - 12	30-10	-	-	-	-	-	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5	-	-	-	-
Two conductors (of the same type)	[mm²]	0.2 - 1	0.2 - 1.5	0.25 - 1.5	-	-	-	-	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1.5				
Max. cross-section with insertion bridge	[mm²]	4	2.5						
General data									
Stripping length	[mm]	8				-			
Screw thread		M3				-			
Tightening torque	[Nm]	0.6 - 0.8				-			
Insulating material		PA				PA			
Inflammability class acc. to UL 94		V2				V0			

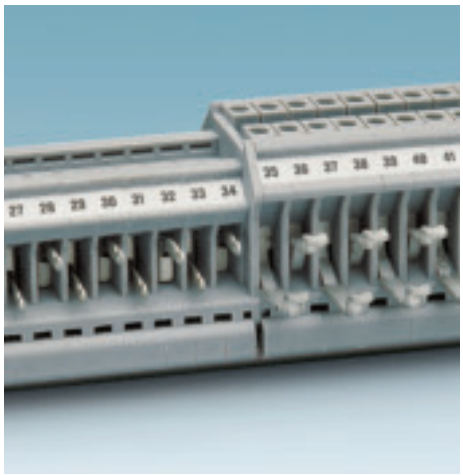
Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.	Type	I_{max}	Order No.	Pcs. / Pkt.
Double-level terminal block, with disconnect knife, for mounting on NS 32... or NS 35..., with screw connection and slotted 6.3/2.8 mm flat connectors		Gray	**UKK 4-FS**		**2770561**	50				
Double-level terminal block, with disconnect knife, for mounting on NS 32... or NS 35..., with slotted 6.3/2.8 mm flat connectors on both sides		Gray					**UKK 4-FS/FS**		**2771133**	50

Accessories

Cover, width 1.5 mm		Gray	**D-UKK 4**		**2770558**	50	**D-UKK 4**		**2770558**	50
Fixed bridge, for cross connections in the terminal center, screw heads with insulating collar, divisible, with 10 screws										
	10	Silver	**FBI 10- 6**	20 A	**0203250**	10	**FBI 10- 6**	20 A	**0203250**	10
Insertion bridge, fully insulated										
	2	Gray	**EB 2- 6**	20 A	**0201155**	100				
	3	Gray	**EB 3- 6**	20 A	**0201142**	100				
	10	Gray	**EB 10- 6**	20 A	**0201139**	10				
Isolator bridge bar, divisible, with 10 screws, for switchable branches with **IS-K...**										
	10	Silver	**ISSBI 10- 6**	20 A	**0301505**	10	**ISSBI 10- 6**	20 A	**0301505**	10
Bridge bar isolator, as distance piece for isolator bridge bar		Gray	**IS-K 4**		**1302338**	100	**IS-K 4**		**1302338**	100
Test socket		Silver	**PSB 3/10/4**		**0601292**	10	**PSB 3/10/4**		**0601292**	10
Test socket, insulated, can be used only with FBI and ISSBI		Silver	**PSBJ 3/13/4**		**0201304**	10	**PSBJ 3/13/4**		**0201304**	10
Screwdriver			**SZS 0,6X3,5**		**1205053**	10				
Zack marker strip, for labeling the lateral groove			**ZB 6 (see page 487)**				**ZB 6 (see page 487)**			

Feed-through terminal block with screw/solder connection UK ...



For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



UK 4-LOE...

The soldering tags have a 1.2 mm Ø hole outside, in which solid connection conductors up to 2.5 mm² can be positioned and soldered to provide strain relief. Behind the hole there is a notch. This makes it easier to wrap thin connecting conductors or establish bridging connections to neighboring terminal blocks.

An important prerequisite for correct solder points is for the heat provided by the soldering iron not to be "absorbed" by the subordinate metal parts. This is particularly important for thin connecting conductors with sensitive insulation. For this reason the soldering tag has an internal heat bottleneck with low thermal capacity at the end. At this point, it also has a 2.3 mm Ø female connector hole, enabling a test plug to be inserted from above for voltage connection (through the screw shafts).

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**6.2**	**56**	**47**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**6.2**	**56**	**52**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		24	**500**	**0.2 - 4**	**24 - 12**
Rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	250	-	-
Nominal current / cross-section	[A] / [mm²]	24 / 4	25 / -	- / -	-
Rated cross-section	[mm²]	4	-	-	-
Cross-section range	AWG	24 - 12	28-12	-	-
Connection capacity, screw connection		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
Two conductors (of the same type)	[mm²]	0.2 - 1	0.2 - 1.5	0.25 - 1.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1.5
Max. cross-section with insertion bridge	[mm²]	2.5	2.5		
Connection capacity solder connection		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.2 - 2.5	0.2 - 1.5	-	-
General data					
Stripping length	[mm]	13			
Screw thread		M3			
Tightening torque	[Nm]	0.6 - 0.8			
Insulating material		PA			
Inflammability class acc. to UL 94		V2			

Ordering data

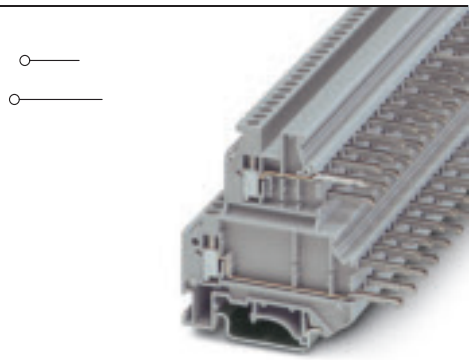
Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal, with universal foot for mounting on NS 32... or NS 35..., screw connection on the left and solder connection on the right		Gray	**UK 4-LOER**		**3014019**	50
Terminal, with universal foot for mounting on NS 32... or NS 35..., with solder connection on both sides		Gray	**UK 4-LOE/LOE**		**3012011**	50

Accessories

Cover, width 1.8 mm		Gray	**D-UK 4/10**		**3003020**	50
Fixed bridge, for cross connections in the terminal center, screw heads with insulating collar, divisible, with 10 screws						
	10	Silver	**FBI 10- 6**	24 A	**0203250**	10
Insertion bridge, fully insulated						
	2	Gray	**EB 2- 6**	24 A	**0201155**	100
	3	Gray	**EB 3- 6**	24 A	**0201142**	100
	10	Gray	**EB 10- 6**	24 A	**0201139**	10
Switch bar for 2 terminal blocks, complete, to increase insulation an end cover must be interposed						
		Silver	**USBR 2-7**	23 A	**2303239**	1
Separating disk, for electrical separation of neighboring bridges, can be fitted later, no loss of pitch		Gray	**TS-K**		**1302215**	50
Partition plate, for visual and electrical separation of terminal groups, 1.5 mm thick		Gray	**ATP-UK**		**3003224**	50
Test socket		Silver	**PSB 3/10/4**		**0601292**	10
Screwdriver			**SZS 0,6X3,5**		**1205053**	10
Zack marker strip, for labeling the lateral groove			**ZB 6 (see page 487)**			

Multi-level terminal blocks with screw/solder connection UKK ...

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



UKK 3-LOER...

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**70.5**	**62**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**5.2**	**70.5**	**67**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		15	**400**	**0.2 - 4**	**24 - 12**
Rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400	-	-	-
Nominal current / cross-section	[A] / [mm²]	15 / 1.5	- / -	- / -	-
Rated cross-section	[mm²]	2.5	-	-	-
Cross-section range	AWG	24 - 12	-	-	-
Connection capacity, screw connection		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
Two conductors (of the same type)	[mm²]	0.2 - 1	0.2 - 1.5	0.25 - 1	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1.5
Max. cross-section with insertion bridge	[mm²]	2.5	2.5		
Connection capacity solder connection		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.2 - 1.5	0.2 - 1.5	-	-
General data					
Stripping length	[mm]	8			
Screw thread		M3			
Tightening torque	[Nm]	0.6 - 0.8			
Insulating material		PA			
Inflammability class acc. to UL 94		V2			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, with universal foot for mounting on NS 32... or NS 35...		Gray	**UKK 3-LOER**		**2778013**	50
		Blue	**UKK 3-LOER BU**		**2778097**	50

Accessories

Cover, width 2.5 mm		Gray	**D-UKK 3/5**		**2770024**	50
		Blue	**D-UKK 3/5 BU**		**2770105**	50
Spacer plate, compensates for level offset if standard terminal blocks are to be fitted adjacently, 2.5 mm thick		Gray	**DP-UKK 3/5**		**2770794**	50
Insertion bridge, divisible, insulated spine						
	10	Gray	**EBL 10- 5**	13.5 A	**2303132**	10
Separating disk, for electrical separation of neighboring bridges, can be fitted later, no loss of pitch		Gray	**TS-KK 3**		**2770215**	50
Partition plate, 2.5 mm thick		Gray	**ATP-UKK 3/5**		**2778521**	50
Screwdriver			**SZS 0,6X3,5**		**1205053**	10
Zack marker strip, for labeling the lateral groove			**ZB 5 (see page 487)**			

Terminal blocks with TERMI-POINT® connection UK ...-TP..



The TERMI-POINT® versions are differentiated according to the position of the male connector, which is either longitudinal or transverse to the terminal block. In order to ensure easy handling of the tool, the longitudinally arranged pins should be used for vertically mounted terminal strips and the transverse pins for the horizontally mounted terminal strips.

The pins are usually long enough to shoot on three connections.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



UK 4-TP(2,4X0,8)...

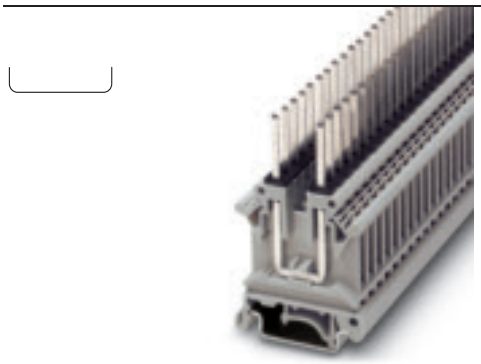
Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**6.2**	**42.5**	**68**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**6.2**	**42.5**	**73**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		10	**250**	**0.2 - 4**	**24 - 12**
Rated data, screw connection		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	250	-	-	-
Nominal current / cross-section	[A] / [mm²]	10 / 4	- / -	- / -	-
Rated cross-section	[mm²]	4	-	-	-
Cross-section range	AWG	24 - 12	-	-	-
Rated data TERMI-POINT® connection		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	250	-	-	-
Nominal current / cross-section	[A] / [mm²]	5 / -	- / -	- / -	-
Rated cross-section	[mm²]	4	-	-	-
Cross-section range	AWG	24 - 20	-	-	-
Connection capacity, screw connection		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 1.5
Two conductors (of the same type)	[mm²]	0.2 - 1	0.2 - 1.5	0.25 - 1.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 2.5
Max. cross-section with insertion bridge	[mm²]				
General data					
Stripping length	[mm]	9			
Screw thread		M3			
Tightening torque	[Nm]	0.6 - 0.8			
Insulating material		PA			
Inflammability class acc. to UL 94		V2			

Ordering data

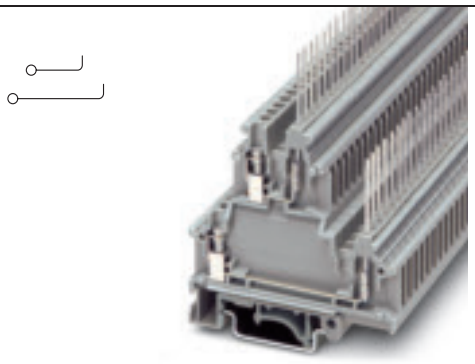
Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, with 2.4 x 0.8 TP pin, longitudinal pin for vertical mounting		Gray	**UK 4-TP(2,4X0,8)L**		**3086021**	50
Transverse pin for horizontal mounting		Gray	**UK 4-TP(2,4X0,8)Q**		**3086034**	50

Accessories

Cover, width 1.8 mm		Gray	**D-UK 4/10**		**3003020**	50
Spacer cover, compensates for level offset if standard terminal blocks are to be fitted adjacently, 2.5 mm thick		Gray				
Spacer plate, compensates for level offset if standard terminal blocks are to be fitted adjacently, 2.5 mm thick		Gray				
Fixed bridge, for cross connections in the terminal center, screw heads with insulating collar, divisible, with 10 screws						
	10	Silver	**FBI 10- 6**	10 A	**0203250**	10
Insertion bridge, fully insulated						
	2	Gray	**EB 2- 6**	10 A	**0201155**	100
	3	Gray	**EB 3- 6**	10 A	**0201142**	100
	10	Gray	**EB 10- 6**	10 A	**0201139**	10
Partition plate, for visual and electrical separation of terminal groups, 2.5 mm thick		Gray				
Screwdriver			**SZS 0,6X3,5**		**1205053**	10
Zack marker strip, for labeling the lateral groove			**ZB 6 (see page 487)**			



UK 4-TP/TP...



UKKB 3-TP(2,4X0,8)...

Width	Length	Height NS 35/7,5	
6.2	**42.5**	**68**	
Width	Length	Height NS 32	
6.2	**42.5**	**73**	
		Max. Ø [mm²]	AWG
		-	**-**

IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	-
-	-	-	-
-	-	-	-

IEC	UL / CUL	CSA	IEC/ EN 60079-7
250	-	-	-
5 / -	- / -	- / -	-
-	-	-	-
24 - 20	-	-	-

Solid	Stranded	Ferrule without / with plastic sleeve	
-	-	-	-
-	-	-	-

-	
-	
-	
PA	
V2	

Width	Length	Height NS 35/7,5	
5.2	**67**	**85**	
Width	Length	Height NS 32	
5.2	**67**	**90**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
10	**250**	**0.2 - 4**	**24 - 12**

IEC	UL / CUL	CSA	IEC/ EN 60079-7
250	300	-	-
10 / 2.5	5 / -	- / -	-
2.5	-	-	-
24 - 12	28-12	-	-

IEC	UL / CUL	CSA	IEC/ EN 60079-7
125	300	-	-
5 / -	5 / -	- / -	-
2.5	-	-	-
24 - 20	-	-	-

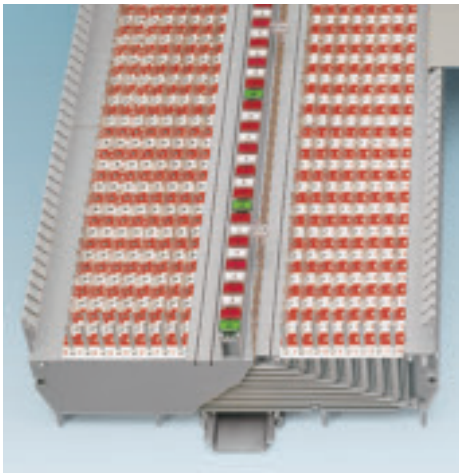
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 1.5
0.2 - 1	0.2 - 1.5	0.25 - 1.5	-
			0.5 - 1.5
4	2.5		

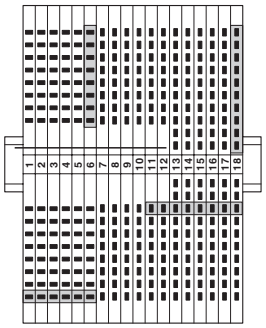
8	
M3	
0.6 - 0.8	
PA	
V2	

Type	Order No.	Pcs. / Pkt.
UK 4-TP/TP(2,4X0,8)L	**3086047**	50
UK 4-TP/TP(2,4X0,8)Q	**3086063**	50
D-UK 4/10	**3003020**	50
ZB 6 (see page 487)		

Type	I_{max}	Order No.	Pcs. / Pkt.
UKKB 3-TP(2,4X0,8)L		**2773254**	50
UKKB 3-TP(2,4X0,8)Q		**2773267**	50
D-UKKB 3/5		**2771023**	50
DG-UKKB 3/ 5		**2770859**	50
DP-UKKB 3/ 5		**2770804**	50
EBL 10- 5	10 A	**2303132**	10
ATP-UKKB 3		**2771065**	50
SZS 0,6X3,5		**1205053**	10
ZB 5 (see page 487)			

RV 8 marshalling distributor





RV 8-TP (2,4 x 0,8) Q

RV 8-TP (2,4 x 0,8) L



RV 8-TP (2,4X0,8)...

The RV 8 element has eight TERMI-POINT®(TP) pins of 2.4 x 0.8 mm for incoming and outgoing wires on both sides of the raised labeling rib. There are two housing grooves each between the pin field and the labeling rib, in which potential busbars can be inserted.

The external housing ridges act as a cable duct side wall. This guarantees neat wiring and permits the use of commercially available cable duct covers.

The red-white marking masks with alternate negative/positive labeling 1-8 or a-h distinctly separate the rows of pins from each other and make it easier to connect and find specific connections.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) Load diagram, see page 453.

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**7.6**	**202**	**81.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		5[1])	**250**	**-**	**24 - 20**
Rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	250	-	-	-
Nominal current / cross-section	[A] / [mm²]	5 / -	- / -	- / -	-
Rated cross-section	[mm²]	-	-	-	-
Cross-section range	AWG	24 - 20	-	-	-
General data					
Insulating material		PA			
Inflammability class acc. to UL 94		V0			

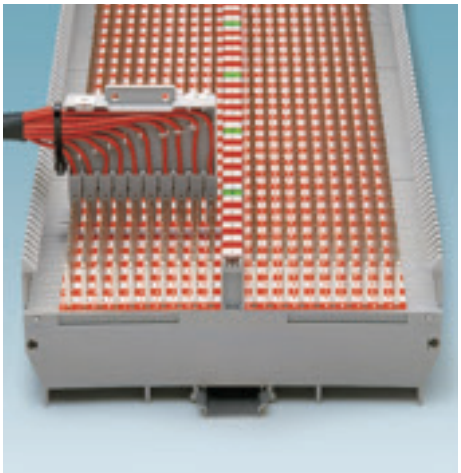
Ordering data

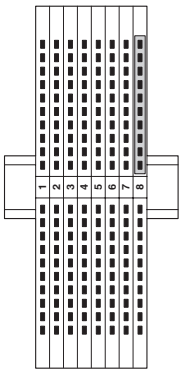
Description	Color	Type	Order No.	Pcs. / Pkt.
Marshalling distributor 8-pos., with sliding foot for mounting on NS 35..., with 2.4 x 0.8 TP pins, longitudinal pin for perpendicular mounting	Gray	**RV 8-TP(2,4X0,8)L**	**3191013**	5
Transverse pin for horizontal mounting	Gray	**RV 8-TP(2,4X0,8)Q**	**3191217**	5
Marshalling distributor 8-pos., with sliding foot for mounting on NS 35..., with 2.4 x 0.8 TP pins, equipotential bonder with bridged pins, longitudinal pins for perpendicular mounting	Gray	**RV 8-PV-TP(2,4X0,8)L**	**3191039**	5

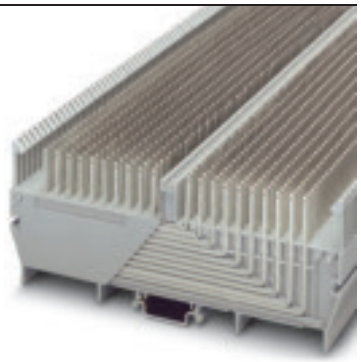
Accessories

End element, 7.62 mm wide, also for forming sections	Gray	**D-RV 8**	**3191026**	5
Busbar, with slotted 6.3/2.8 mm flat connectors, brass, tin-plated, length: 1 m		**S-FS (2,8X0,8)**	**3191699**	1
Clamp set, for holding together RV blocks, sufficient for 80 marshalling distributors		**RV 8-SPSA**	**3193011**	1
Pair of marking masks, in positive/negative, White/red print for marking the individual pins, with horizontal printing				
Front: 1-8, reverse: 8-1		**KZMP-RV 8:1-8**	**3191330**	10
Front: a-h, reverse: h-a		**KZMP-RV 8:A-H**	**3191327**	10
Cable housing, 40-pos., complete with crimp contacts		**KGS-RV 10**	**3192106**	10
Module female contact, is inserted into connector housing STG after the conductor has been crimped, 0.5-1 mm²		**STG-MTN 0,5-1,0**	**3190438**	100
Module connector housing, for longitudinal pins, for accommodating the module female contacts STG-MTN, 1-pos.	Gray	**STG 1-RV/L**	**3190124**	50
		STG 2-RV/L	**3190137**	50
		STG 8-RV/L	**3190195**	50
		STG 10-RV/L	**3190205**	50
Module connector housing, for transverse pins, for accommodating the module female contacts STG-MTN, 2-pos.	Black	**STG 2-RV/Q**	**3190247**	50
		STG 8-RV/Q	**3190302**	50
Strain relief, for STG 8-position connector housings, with single-sided coupling spring	Black	**STGZ BK**	**3193134**	10
With double-sided coupling spring		**STGZ 1 BK**	**3193147**	10
Crimping tool, for crimping conductors to the module female contacts STG-MTN	Black	**CRIMPFOX MT 2,5**	**1204038**	1
Zack markers, for labeling the center groove		**ZB 7,62 (see page 489)**		

RVS 10 marshalling distributor







RVS 10-TP (2,4X0,8)L

The RVS 10 element has ten TERMI-POINT®(TP) pins of 2.4 x 0.8 mm for incoming and outgoing wires on both sides of the raised labeling rib.

The external housing bridges act as a cable duct side wall. This guarantees good wire guiding and permits the use of commercially available cable duct covers.

The red-white marking masks with alternate negative/positive labeling 1-10 or a-k distinctly separate the rows of pins from each other and make it easier to connect and find specific connections.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) Load diagram, see page 453.

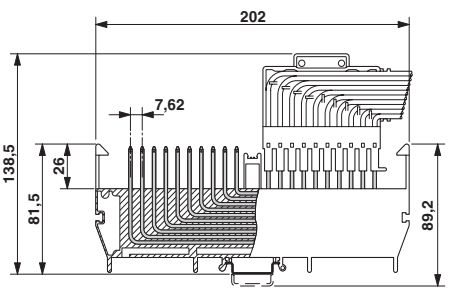
Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**6.2**	**202**	**81.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		5[1])	**250**	**-**	**24 - 20**
Rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	250	-	-	-
Nominal current / cross-section	[A] / [mm²]	5 / -	- / -	- / -	-
Rated cross-section	[mm²]	-	-	-	-
Cross-section range	AWG	24 - 20	-	-	-
General data					
Insulating material		PA			
Inflammability class acc. to UL 94		V2			

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Marshalling distributor 10-pos., with sliding foot for mounting on NS 35..., with 2.4 x 0.8 TP pins	Gray	**RVS 10-TP(2,4X0,8)L**	**3192038**	5

Accessories

End element, 6.2 mm wide, also for forming sections	Gray	**D-RVS 10**	**3191437**	5
Clamp set, for holding together RV blocks, sufficient for 80 marshalling distributors		**RV 8-SPSA**	**3193011**	1
Pair of marking masks, in positive/negative, White/red print for marking the individual pins, with horizontal printing				
Front: 1-10, rear: 10-1		**KZMP-RVS 10:1-10**	**3191408**	10
Front: a-k, rear: k-a		**KZMP-RVS 10:A-K**	**3191372**	10
Cable housing, 40-pos., complete with crimp contacts		**KGS-RVS 10**	**3190454**	10
Module female contact, is inserted into connector housing STG after the conductor has been crimped, 0.5-1 mm²		**STG-MTN 0,5-1,0**	**3190438**	100
Module connector housing, for longitudinal pins, for accommodating the module female contacts STG-MTN, 1-pos.	Gray	**STG 1-RV/L**	**3190124**	50
		STG 2-RV/L	**3190137**	50
		STG 8-RV/L	**3190195**	50
		STG 10-RV/L	**3190205**	50
Strain relief, with one-sided coupling spring, for one 10-pos. connector housing		**STGZ 10-RVS**	**3192067**	25
With double-sided coupling spring, for two 10-pos. connector housing		**STGZ 20-RVS**	**3192054**	25
Crimping tool, for crimping conductors to the module female contacts STG-MTN	Black	**CRIMPFOX MT 2,5**	**1204038**	1
Zack markers, for labeling the center groove		**ZB 6 (see page 487)**		



Installation terminal blocks UIK ...

The UIK ... and UISLKG ... installation terminal blocks are characterized by their low height. This is necessary in flat distributors in installation wiring. The asymmetric arrangement of the terminal blocks on the DIN rail make it possible to route the PEN conductor busbars used in installation technology at the terminal blocks. Even the standard feed-through terminal blocks UK 1,5 N to UK 16 N can be used in connection with the PEN conductor busbars.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



UIK 16 ...

CCA

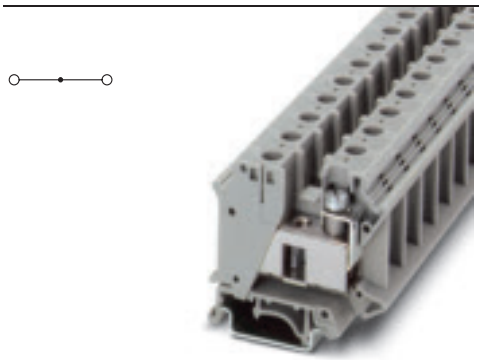
Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**12.2**	**42.5**	**47**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**12.2**	**42.5**	**52**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		101	**400**	**2.5 - 25**	**12 - 4**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400	600	600	-
Nominal current / cross-section	[A] / [mm²]	76 / 16	85 / -	85 / -	-
Rated cross-section	[mm²]	16	-	-	-
Cross-section range	AWG	12 - 4	22-4	22-4	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	2.5 - 25	4 - 16	1.5 - 16	1.5 - 16
Two conductors (of the same type)	[mm²]	1.5 - 6	1.5 - 6	1.5 - 4	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.75 - 10
Max. cross-section with insertion bridge	[mm²]	16	16		
General data					
Stripping length	[mm]	11			
Screw thread		M4			
Tightening torque	[Nm]	1.5 - 1.8			
Insulating material		PA			
Inflammability class acc. to UL 94		V2			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, with universal foot for mounting on NS 32... or NS 35...		Gray	**UIK 16**		**3006153**	50
		Blue	**UIK 16 BU**		**3006205**	50
Ground terminal block, for mounting on NS 32... or NS 35...		Green-yellow				
Ground terminal block, for mounting on NS 35/15-2.3		Green-yellow				

Accessories

Cover, width 1.8 mm		Gray	**D-UK 4/10**		**3003020**	50
		Blue	**D-UK 4/10 BU**		**3003101**	50
Fixed jumper, for cross connections in the terminal center, divisible, with 10 screws						
	2	Silver				
	3	Silver				
	10	Silver	**FBI 10-12**	101 A	**0203454**	10
Insertion bridge, divisible, fully insulated						
	2	Gray				
	3	Gray				
	10	Gray	**EB 10-12**	68 A	**3006137**	10
Switching jumper for 2 terminal blocks, complete, only mount with short link						
	2	Silver				
Separating disk, for electrical separation of neighboring bridges, can be fitted later, no loss of pitch		Gray	**TS-K**		**1302215**	50
Partition plate, for visual and electrical separation of terminal groups, 1.5 mm thick		Gray	**ATP-UK**		**3003224**	50
Test socket, for test connection with PS test plug		Silver	**PSB 4/7/6**		**0303299**	10
Screwdriver			**SZS 1,0X4,0**		**1205066**	10
Zack marker strip, for labeling the lateral groove			**ZB 12 (see page 490)**			



UIK 35 ...

CCA

Width	Length	Height NS 35/7,5	
15.2	**55**	**51**	
Width	Length	Height NS 32	
15.2	**55**	**59**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
125	**800**	**0.75 - 35**	**18 - 2**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800	600	600	-
125 / 35	115 / -	130 / -	-
35	-	-	-
18 - 2	18-2	18-2	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.75 - 35	0.75 - 35	0.75 - 35	0.75 - 35
0.75 - 10	0.75 - 10	0.75 - 10	- 0.75 - 6
35	35		
16			
M6			
3.2 - 3.7			
PA			
V2			

Type	I_{max}	Order No.	Pcs. / Pkt.
UIK 35		**3006182**	50
UIK 35 BU		**3006302**	50
FBI 2-15	125 A	**0201333**	10
FBI 3-15	125 A	**0201278**	10
EB 2-15 K/UK 35	101 A	**0205119**	10
EB 3-15 K/UK 35	101 A	**0205106**	10
EB 10-15 K/UK 35	101 A	**0205096**	10
SBH 2-15	120 A	**0205232**	1
TS-K		**1302215**	50
ATP-UK		**3003224**	50
PSB 6/5/6		**0205290**	10
SZS 1,0X4,0		**1205066**	10
ZB 15 (see page 490)			



UISLKG 16 ...

Width	Length	Height NS 35/7,5	
12	**42.5**	**47**	
Width	Length	Height NS 32	
12	**42.5**	**52**	
$I_{max.}$ [A]		Max. Ø [mm²]	AWG
101		**2.5 - 25**	**12 - 3**
IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
76 / 16	- / -	- / -	-
16	-	-	-
12 - 3	22-4	22-4	-
Solid	Stranded	Ferrule without / with plastic sleeve	
2.5 - 25	4 - 16	1.5 - 16	1.5 - 16
1.5 - 6	1.5 - 4	1.5 - 6	- 0.75 - 10
11			
M4			
1.5 - 1.8			
PA			
V2			

Type	Order No.	Pcs. / Pkt.
UISLKG 16	**0443052**	50
UISLKG 16-1	**3001789**	50
SZS 1,0X6,5	**1205079**	10
ZB 12 (see page 490)		



UISLKG 35 ...

Width	Length	Height NS 35/7,5	
15	**55**	**51**	
Width	Length	Height NS 32	
15	**55**	**59**	
$I_{max.}$ [A]		Max. Ø [mm²]	AWG
125		**0.75 - 35**	**18 - 2**
IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
125 / 35	- / -	- / -	-
35	-	-	-
18 - 2	18-2	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.75 - 35	0.75 - 35	0.75 - 35	0.75 - 35
0.75 - 16	0.75 - 10	0.75 - 10	- 0.75 - 6
16			
M6			
3.2 - 3.7			
PA			
V2			

Type	Order No.	Pcs. / Pkt.
UISLKG 35	**0443065**	50
UISLKG 35-1	**3001776**	50
SZS 1,0X6,5	**1205079**	10
ZB 15 (see page 490)		

Installation terminal blocks UKN ...

The design is completely logical: one screw for the connection, one screw for the disconnect slide, and optimum clarity on the terminal strip.

Each terminal block can be replaced individually. They are not hindered by neighboring terminal blocks or by the neutral busbar.

The 3 x 10 mm busbar is routed on the outer side, past the terminal blocks and is snapped into insulated UAB supports. The height of the busbars is the same for all terminal block types. As protection against accidental contact, the neutral busbar can be covered with the AP-NLS transparent profile.

The neutral busbar is allowed to project on one side by approximately 15 mm away from the support (on both sides for loop supply with high-current loads). The AKG connecting terminal blocks for the supply conductors are then engaged and secured here.

Structurally identical standard feed-through terminal blocks UK 2,5N - 10N... and UIK 16N - 35N, as well as standard ground terminal blocks USLKG 2,5N - 10N... and UISLKG 16 - 35... are available for the neutral conductor disconnect terminal blocks.

Assembly

In order to guarantee a reliable contact between the disconnect slide and the neutral busbar, the UAB supports must be mounted at the beginning and end of each terminal strip or, in the case of longer terminal strips, approx. every 20 cm.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



UKN 2,5 BU

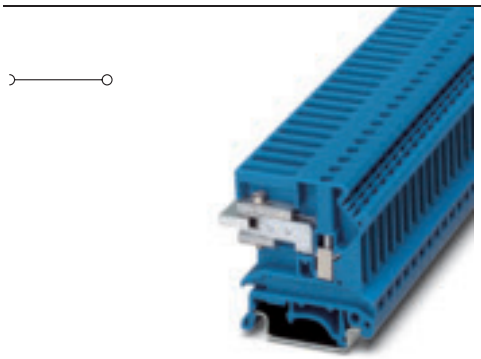
Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**6.2**	**43.5**	**42**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**6.2**	**43.5**	**47**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		32	**400**	**0.2 - 4**	**24 - 12**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400	-	-	-
Nominal current / cross-section	[A] / [mm²]	24 / 2.5	- / -	- / -	-
Rated cross-section	[mm²]	2.5	-	-	-
Cross-section range	AWG	24 - 12	-	-	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
Two conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 1	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1.5
General data					
Stripping length	[mm]	7			
Terminal point: thread / torque	- / [Nm]	M3 / 0.6 - 0.8			
Disconnect slide: thread / torque	- / [Nm]	M2,5 / 0.5 - 0.6			
Insulating material		PA			
Inflammability class acc. to UL 94		V2			

Ordering data

Description	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Neutral conductor disconnect terminal block, with universal foot for mounting on NS 32... or NS 35...	Blue	**UKN 2,5 BU**		**3032004**	50

Accessories

Connection terminal block, steel, is pushed onto the NLS neutral busbar, can be labeled using ZB, with insulating cap, solid up to 16 mm², 10 mm wide	Blue	**AKG 16 BU**		**0423014**	50
Up to 35 mm² solid, 14.3 mm wide	Blue	**AKG 35 BU**		**0424013**	50
Cover	Blue	**D-UKN 2,5**		**3032017**	50
PEN conductor busbar, 3 x 10 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A	Silver	**NLS-CU 3/10 SN 1000MM**	140 A	**0402174**	10
Cover profile, for neutral busbar, 1 m long	Transparent	**AP-NLS**		**5037133**	10
Support, blue insulating material, for holding the neutral busbar, must be set every 20 cm, 2 mm wide	Blue	**UAB**		**3032428**	50
Support, for fixing DIN rails 21 mm above the mounting surface, with M6 screw, countersunk fixing hole 6.1 mm Ø, can also be used for protective insulation of terminal strips	Gray	**AB/NS**		**1201141**	10
Screwdriver		**SZS 0,6X3,5**		**1205053**	10
Zack marker strip, for labeling the lateral groove		**ZB 6 (see page 487)**			



UKN 5 BU

Width	Length	Height NS 35/7,5	
6.2	**43.5**	**47**	
Width	Length	Height NS 32	
6.2	**43.5**	**52**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
36	**400**	**0.2 - 6**	**24 - 10**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	-	-	-
32 / 4	- / -	- / -	-
4	-	-	-
24 - 10	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1	-
			0.5 - 2.5
7			
M3 / 0.6 - 0.8			
M2,5 / 0.5 - 0.6			
PA			
V2			

Type	I_{max}	Order No.	Pcs. / Pkt.
UKN 5 BU		**3032088**	50
AKG 16 BU		**0423014**	50
AKG 35 BU		**0424013**	50
D-UK 4/10 BU		**3003101**	50
NLS-CU 3/10 SN 1000MM	140 A	**0402174**	10
AP-NLS		**5037133**	10
UAB		**3032428**	50
AB/NS		**1201141**	10
SZS 0,6X3,5		**1205053**	10
ZB 6 (see CLIPLINE catalog)			



UKN 6 N BU

Width	Length	Height NS 35/7,5	
8.2	**43.5**	**47**	
Width	Length	Height NS 32	
8.2	**43.5**	**52**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
50	**400**	**0.2 - 10**	**24 - 8**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	-	-	-
41 / 6	- / -	- / -	-
6	-	-	-
24 - 8	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 10	0.2 - 6	0.25 - 6	0.25 - 6
0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
			0.5 - 4
10			
M4 / 1.5 - 1.8			
M3 / 0.6 - 0.8			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
UKN 6 N BU		**3024041**	50
AKG 16 BU		**0423014**	50
AKG 35 BU		**0424013**	50
D-UK 4/10 BU		**3003101**	50
NLS-CU 3/10 SN 1000MM	140 A	**0402174**	10
UAB		**3032428**	50
AB/NS		**1201141**	10
SZS 0,6X3,5		**1205053**	10
ZB 8 (see page 489)			



UKN 10 N BU

Width	Length	Height NS 35/7,5	
10.2	**43.5**	**47**	
Width	Length	Height NS 32	
10.2	**43.5**	**52**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
63	**400**	**0.5 - 16**	**20 - 6**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	-	-	-
57 / 10	- / -	- / -	-
10	-	-	-
20 - 6	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.5 - 16	0.5 - 10	0.5 - 10	0.5 - 6
0.5 - 4	0.5 - 4	0.5 - 2.5	-
			0.5 - 6
12			
M4 / 1.5 - 1.8			
M3 / 0.6 - 0.8			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
UKN 10 N BU		**3003910**	50
AKG 16 BU		**0423014**	50
AKG 35 BU		**0424013**	50
D-UK 4/10 BU		**3003101**	50
NLS-CU 3/10 SN 1000MM	140 A	**0402174**	10
UAB		**3032428**	50
AB/NS		**1201141**	10
SZS 0,6X3,5		**1205053**	10
ZB 10 (see page 489)			

Installation terminal blocks UIKN ...

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UIKN 16 BU

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**12**	**43.5**	**47**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**12**	**43.5**	**52**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		90	**400**	**2.5 - 25**	**12 - 4**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400	-	-	-
Nominal current / cross-section	[A] / [mm²]	76 / 16	- / -	- / -	-
Rated cross-section	[mm²]	16	-	-	-
Cross-section range	AWG	12 - 4	-	-	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	2.5 - 25	4 - 16	1.5 - 16	1.5 - 16
Two conductors (of the same type)	[mm²]	1.5 - 6	1.5 - 4	1.5 - 6	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.75 - 10
General data					
Stripping length	[mm]	11			
Terminal point: thread / torque	- / [Nm]	M4 / 1.5 - 1.8			
Disconnect slide: thread / torque	- / [Nm]	M3 / 0.6 - 0.8			
Insulating material		PA			
Inflammability class acc. to UL 94		V2			

Ordering data

Description	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Neutral conductor disconnect terminal block, with universal foot for mounting on NS 32... or NS 35...	Blue	**UIKN 16 BU**		**3006166**	50

Accessories

Connection terminal block, steel, is pushed onto the NLS neutral busbar, can be labeled using ZB, with insulating cap, solid up to 16 mm², 10 mm wide	Blue	**AKG 16 BU**		**0423014**	50
Up to 35 mm² solid, 14.3 mm wide	Blue	**AKG 35 BU**		**0424013**	50
Cover, width 1.8 mm	Blue	**D-UK 4/10 BU**		**3003101**	50
PEN conductor busbar, 3 x 10 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A	Silver	**NLS-CU 3/10 SN 1000MM**	140 A	**0402174**	10
Support, blue insulating material, for holding the neutral busbar, must be set every 20 cm, 2 mm wide	Blue	**UAB**		**3032428**	50
Support, for fixing DIN rails 21 mm above the mounting surface, with M6 screw, countersunk fixing hole 6.1 mm Ø, can also be used for protective insulation of terminal strips	Gray	**AB/NS**		**1201141**	10
Screwdriver		**SZS 1,0X4,0**		**1205066**	10
Zack marker strip, for labeling the lateral groove		**ZB 10 (see page 489)**			

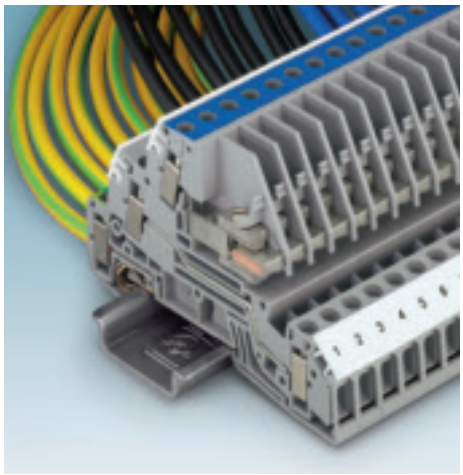


UIKN 35 BU

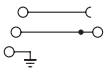
Width	Length	Height NS 35/7,5	
15	**55**	**51**	
Width	Length	Height NS 32	
15	**55**	**56**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
110	**400**	**0.75 - 35**	**18 - 2**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	-	-	-
110 / 35	- / -	- / -	-
35	-	-	-
18 - 2	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.75 - 35	0.75 - 35	0.75 - 35	0.75 - 35
0.75 - 10	0.75 - 10	0.75 - 10	- 0.75 - 6
16			
M6 / 3.2 - 3.7			
M5 / 2.5 - 3			
PA			
V2			

Type	I_{max}	Order No.	Pcs. / Pkt.
UIKN 35 BU		**3034015**	50
AKG 16 BU		**0423014**	50
AKG 35 BU		**0424013**	50
NLS-CU 3/10 SN 1000MM	140 A	**0402174**	10
UAB		**3032428**	50
AB/NS		**1201141**	10
SZS 1,0X4,0		**1205066**	10
ZB 10 (see page 489)			

Multi-level installation terminal blocks PIK 4...



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PIK 4-PE/L/NT

Saving space is the motto which is gaining more and more importance in the field of installation technology. To do justice to this requirement, the PIK three-level installation terminal blocks were developed.

The PIK 4-PE/L/NT contains the three types of terminal blocks belonging to a single-phase circuit, in a housing with a constructional width of a mere 6 mm. The lower level houses the ground connection, the contact being made with the DIN rail by snapping it onto the same. The phase connection is made on the phase conductor feed-through terminal block of the middle level. The upper level houses the connection for the neutral conductor which is connected with the neutral busbar via a sturdy disconnect slide.

The other versions of the PIK series enable all other circuit variants encountered in practice. A three-phase circuit, for example, can thus be wired over a constructional width of 12.4 mm by combining PIK 4-PE/L/NT and PIK 4-L/L. This means a space saving of 18.6 mm compared with the usual wiring with single-level installation terminal blocks.

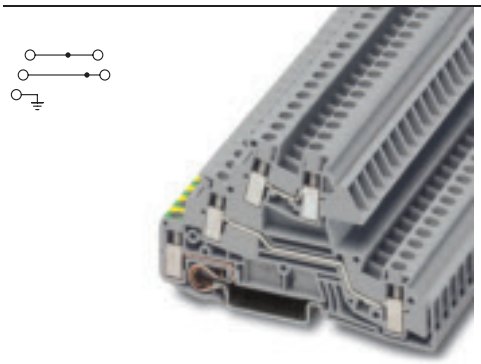
Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**6.2**	**88**	**51.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		32	**400**	**0.2 - 4**	**24 - 12**
Rated data		IEC 60947-7-1 / IEC 60947-7-2			
		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400	300	-	-
Phase conductor / phase conductor	[V]	400	-	-	-
Phase conductor / PE	[V]	250	-	-	-
Phase conductor / N	[V]	250	-	-	-
Nominal current / cross-section	[A] / [mm²]	32 / 4	20 / -	- / -	-
Rated cross-section	[mm²]	4	-	-	-
Cross-section range	AWG	24 - 12	28-12	-	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
Two conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1	0.25 - 1	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5
General data					
Stripping length	[mm]	9			
Terminal point: thread / torque	- / [Nm]	M3 / 0.5 - 0.6			
Disconnect slide: thread / torque	- / [Nm]	M2,5 / 0.5 - 0.6			
Insulating material		PA			
Inflammability class acc. to UL 94		V2			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Three-level installation terminal block, with green-yellow **PE** connection, phase conductor connection **L** and blue neutral disconnection **NT**.		Gray	**PIK 4-PE/L/NT**		**2714006**	50
Three-level installation terminal block, with green-yellow **PE** connection and 2 phase conductor connections **L.**		Gray				
Three-level installation terminal block, with green-yellow **PE** connection, phase conductor connection **L** and blue neutral connection **NT**.		Gray				
Three-level installation terminal block , with 2 phase conductor connections **L**.		Gray				
with 1 phase conductor connection **L**		Gray				

Accessories

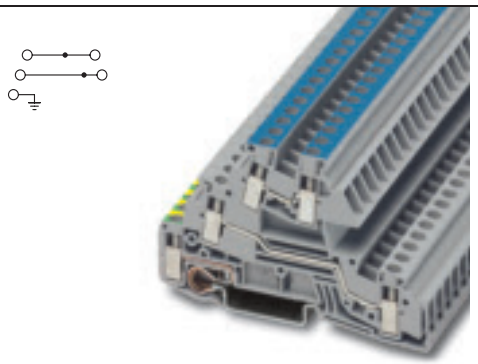
Connection terminal block, steel, is pushed onto the NLS neutral busbar, can be labeled using ZB, with insulating cap, solid up to 16 mm², 10 mm wide		Blue	**AKG 16 BU**		**0423014**	50
Up to 35 mm² solid, 14.3 mm wide		Blue	**AKG 35 BU**		**0424013**	50
Cover, width 1.5 mm		Gray	**D-PIK 4**		**2714080**	50
Fixed bridge, for cross connections in the terminal center, screw heads with insulating collar, divisible, with 10 screws						
	10	Silver	**FBI 10- 6**	32 A	**0203250**	10
Isolator bridge bar, divisible, with 10 screws, for switchable branches with **IS-K...**						
	10	Silver	**ISSBI 10- 6**	28 A	**0301505**	10
Bridge bar isolator, as distance piece for isolator bridge bar		Gray	**IS-K 4**		**1302338**	100
Partition plate, 1.5 mm thick		Gray	**ATP-PIK**		**2714145**	50
PEN conductor busbar, 3 x 10 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A		Silver	**NLS-CU 3/10 SN 1000MM**	140 A	**0402174**	10
Screwdriver			**SZS 0,6X3,5**		**1205053**	10
Zack marker strip, for labeling the lateral groove			**ZB 6 (see page 487)**			



PIK 4-PE/L/L

Width	6.2
Length	88
Height NS 35/7,5	51.5
$I_{max.}$ [A]	32
$U_{max.}$ [V]	400
Max. Ø [mm²]	0.2 - 4
AWG	24 - 12
IEC 60947-7-1 / IEC 60947-7-2	
IEC	400
UL / CUL	300
CSA	-
IEC/ EN 60079-7	-
	400
	-
	-
	250
	-
	-
	-
	32 / 4
	20 / -
	- / -
	-
	4
	-
	-
	24 - 12
	28-12
	-
	-
Solid	0.2 - 4
	0.2 - 1.5
Stranded	0.2 - 4
	0.2 - 1
Ferrule without / with plastic sleeve	0.25 - 4
	0.25 - 1
	0.25 - 2.5
	-
	0.5
	9
	M3 / 0.5 - 0.6
	- / -
	PA
	V2

Type	I_{max}	Order No.	Pcs. / Pkt.
PIK 4-PE/L/L		**2714022**	50
D-PIK 4		**2714080**	50
FBI 10- 6	32 A	**0203250**	10
ISSBI 10- 6	28 A	**0301505**	10
IS-K 4		**1302338**	100
ATP-PIK		**2714145**	50
SZS 0,6X3,5		**1205053**	10
ZB 6 (see page 487)			



PIK 4-PE/L/N

Width	6.2
Length	88
Height NS 35/7,5	51.5
$I_{max.}$ [A]	32
$U_{max.}$ [V]	400
Max. Ø [mm²]	0.2 - 4
AWG	24 - 12
IEC 60947-7-1 / IEC 60947-7-2	
IEC	400
UL / CUL	300
CSA	-
IEC/ EN 60079-7	-
	400
	-
	-
	250
	-
	-
	-
	32 / 4
	20 / -
	- / -
	-
	4
	-
	-
	24 - 12
	28-12
	-
	-
Solid	0.2 - 4
	0.2 - 1.5
Stranded	0.2 - 4
	0.2 - 1
Ferrule without / with plastic sleeve	0.25 - 4
	0.25 - 1
	0.25 - 2.5
	-
	0.5
	9
	M3 / 0.5 - 0.6
	- / -
	PA
	V2

Type	I_{max}	Order No.	Pcs. / Pkt.
PIK 4-PE/L/N		**2714019**	50
D-PIK 4		**2714080**	50
FBI 10- 6	32 A	**0203250**	10
ISSBI 10- 6	28 A	**0301505**	10
IS-K 4		**1302338**	100
ATP-PIK		**2714145**	50
SZS 0,6X3,5		**1205053**	10
ZB 6 (see page 487)			

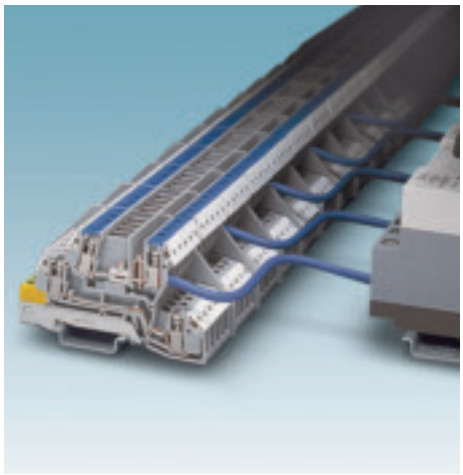


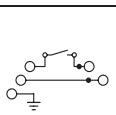
PIK 4-L/L

Width	6.2
Length	88
Height NS 35/7,5	51.5
$I_{max.}$ [A]	32
$U_{max.}$ [V]	400
Max. Ø [mm²]	0.2 - 4
AWG	24 - 12
IEC 60947-7-1	
IEC	400
UL / CUL	300
CSA	-
IEC/ EN 60079-7	-
	400
	-
	-
	-
	-
	-
	32 / 4
	20 / -
	- / -
	-
	4
	-
	-
	24 - 12
	28-12
	-
	-
Solid	0.2 - 4
	0.2 - 1.5
Stranded	0.2 - 4
	0.2 - 1
Ferrule without / with plastic sleeve	0.25 - 4
	0.25 - 1
	0.25 - 2.5
	-
	0.5
	9
	M3 / 0.5 - 0.6
	- / -
	PA
	V2

Type	I_{max}	Order No.	Pcs. / Pkt.
PIK 4-L/L		**2714035**	50
PIK 4-L		**2714048**	50
D-PIK 4		**2714080**	50
FBI 10- 6	32 A	**0203250**	10
ISSBI 10- 6	28 A	**0301505**	10
IS-K 4		**1302338**	100
ATP-PIK		**2714145**	50
SZS 0,6X3,5		**1205053**	10
ZB 6 (see page 487)			

Multi-level installation terminal blocks PIK 4...







PIK 4-PE/L/NTB

The PIK 4-PE/L/NTB is designed for installations in medical rooms. The terminal block variants with individual circuit isolation correspond exactly to the safety requirements as per DIN VDE 100-718. There it is necessary that every circuit be separately secured via a residual current protective circuit. This results in a clear classification of PIK 4 terminal block groups. Hence, this model is equipped with an additional single screw connection behind the neutral disconnect point and provides a bridging option for splitting the neutral feed into several neutral exits. A ring infeed is required if a terminal block is inserted behind 40 A or 63 A-FI circuit breakers.

The structurally identical PIK 4L/LB allows harmonic alignment for establishing a 5-pos. three-phase connection.

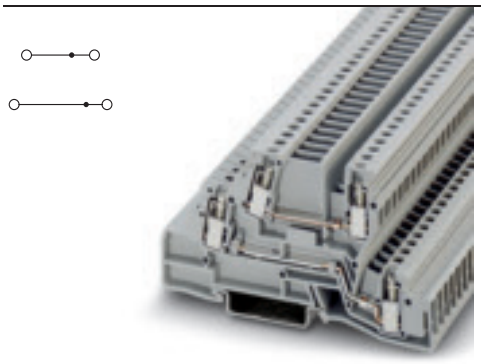
Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**6.2**	**88**	**51.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		32	**400**	**0.2 - 4**	**24 - 12**
Rated data		IEC 60947-7-1 / IEC 60947-7-2			
		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400	300	-	-
Phase conductor / phase conductor	[V]	400	-	-	-
Phase conductor / PE	[V]	250	-	-	-
Phase conductor / N	[V]	250	-	-	-
Nominal current / cross-section	[A] / [mm²]	32 / 4	20 / -	- / -	-
Rated cross-section	[mm²]	4	-	-	-
Cross-section range	AWG	24 - 12	28-12	-	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
Two conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1	0.25 - 1	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5
General data					
Stripping length	[mm]	9			
Terminal point: thread / torque	- / [Nm]	M3 / 0.5 - 0.6			
Disconnect slide: thread / torque	- / [Nm]	M2,6 / 0.5 - 0.6			
Insulating material		PA			
Inflammability class acc. to UL 94		V2			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Three-level installation terminal block, with green-yellow **PE** connection, phase conductor connection **L** and blue neutral disconnection **NTB**.		Gray	**PIK 4-PE/L/NTB**		**2714158**	50
Three-level installation terminal block, with 2 phase conductor connections **L** and bridging option on each level.		Gray				

Accessories

Cover, width 1.5 mm		Gray	**D-PIK 4-PE/L/NTB**		**2714161**	50
Fixed bridge, for cross connections in the terminal center, screw heads with insulating collar, divisible, with 10 screws	10	Silver	**FBI 10- 6**	28 A	**0203250**	10
Isolator bridge bar, divisible, with 10 screws, for switchable branches with **IS-K...**	10	Silver	**ISSBI 10- 6**	26 A	**0301505**	10
Bridge bar isolator, as distance piece for isolator bridge bar		Gray	**IS-K 4**		**1302338**	100
Partition plate, 1.5 mm thick		Gray	**ATP-PIK**		**2714145**	50
Screwdriver			**SZS 0,6X3,5**		**1205053**	10
Zack marker strip, for labeling the lateral groove			**ZB 6 (see page 487)**			



PIK 4-L/LB

Width	Length	Height NS 35/7,5	
6.2	**88**	**51.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
32	**400**	**0.2 - 4**	**24 - 12**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	-	-	-
400	-	-	-
-	-	-	-
-	-	-	-
32 / 4	- / -	- / -	-
4	-	-	-
24 - 12	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1	0.25 - 1	- 1
9			
M3 / 0.5 - 0.6			
- / -			
PA			
V2			

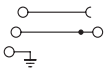
Type	I_{max}	Order No.	Pcs. / Pkt.
PIK 4-L/LB		**3000117**	50
D-PIK 4-PE/L/NTB		**2714161**	50
FBI 10- 6	28 A	**0203250**	10
ISSBI 10- 6	26 A	**0301505**	10
IS-K 4		**1302338**	100
ATP-PIK		**2714145**	50
SZS 0,6X3,5		**1205053**	10
ZB 6 (see page 487)			

Multi-level installation terminal blocks PIK 6...

The PIK 6 three-level installation terminal blocks are used in the installation of large-scale three-phase current consumers, such as ventilation motors or cookers for industrial kitchens. With a max. nominal current of up to 41 A and a constructional width of a mere 8 mm, they minimize the space needed for the installation of large-scale consumers.

The PIK 6 terminal blocks are the same shape as the PIK 4 terminal blocks. The neutral busbar is on the same level as for all installation terminal blocks from Phoenix Contact. Since the housings of the PIK 6 terminal blocks are closed, it is not necessary to use covers at the end of the terminal strip.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.





PIK 6-PE/L/NT

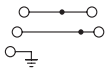
Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**8.2**	**88**	**51.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		41	**400**	**0.2 - 10**	**24 - 8**
Rated data		IEC 60947-7-1 / IEC 60947-7-2			
		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400	300	-	-
Phase conductor / phase conductor	[V]	400	-	-	-
Phase conductor / PE	[V]	250	-	-	-
Phase conductor / N	[V]	250	-	-	-
Nominal current / cross-section	[A] / [mm²]	41 / 6	30 / -	- / -	-
Rated cross-section	[mm²]	6	-	-	-
Cross-section range	AWG	24 - 8	26-8	-	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.2 - 10	0.2 - 6	0.25 - 6	0.25 - 4
Two conductors (of the same type)	[mm²]	0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 2.5
General data					
Stripping length	[mm]	9			
Terminal point: thread / torque	- / [Nm]	M3 / 0.5 - 0.6			
Disconnect slide: thread / torque	- / [Nm]	M2.5 / 0.5 - 0.6			
Tightening torque	[Nm]	0.5 - 0.6			
Insulating material		PA			
Inflammability class acc. to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Three-level installation terminal block, with **PE** connection, phase conductor connection **L** and blue neutral disconnection **NT**		Gray	**PIK 6-PE/L/NT**		**2714268**	50
Three-level installation terminal block, with green-yellow **PE** connection and 2 phase conductor connections **L**		Gray				
Three-level installation terminal block, with green-yellow **PE** connection, phase conductor connection **L** and blue neutral connection **NT**		Gray				
Three-level installation terminal block , with 2 phase conductor connections **L**		Gray				

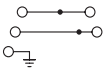
Accessories

Connection terminal block, steel, is pushed onto the NLS neutral busbar, can be labeled using ZB, with insulating cap, solid up to 16 mm², 10 mm wide		Blue	**AKG 16 BU**		**0423014**	50
Up to 35 mm² solid, 14.3 mm wide		Blue	**AKG 35 BU**		**0424013**	50
Fixed bridge, for cross connections in the terminal center, screw heads with insulating collar, divisible, with 10 screws	10	Silver	**FBRI 10-8 N**	41 A	**2772080**	10
Partition plate, 1.5 mm thick		Gray	**ATP-PIK**		**2714145**	50
PEN conductor busbar, 3 x 10 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A		Silver	**NLS-CU 3/10 SN 1000MM**	140 A	**0402174**	10
Screwdriver			**SZS 0,6X3,5**		**1205053**	10
Zack marker strip, for labeling the lateral groove			**ZB 8 (see page 489)**			



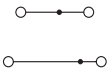


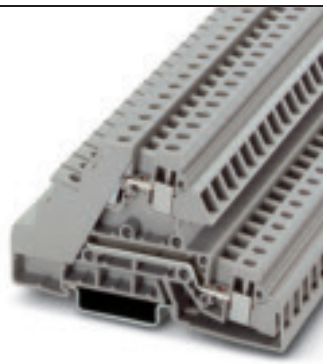
PIK 6-PE/L/L





PIK 6-PE/L/N





PIK 6-L/L

Width	Length	Height NS 35/7,5	
8.2	**88**	**51.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
41	**400**	**0.2 - 10**	**24 - 8**
IEC 60947-7-1 / IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	300	-	-
400	-	-	-
250	-	-	-
-	-	-	-
41 / 6	30 / -	- / -	-
6	-	-	-
24 - 8	26-8	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 10	0.2 - 6	0.25 - 6	0.25 - 4
0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
			0.5 - 2.5
9			
M3 / 0.5 - 0.6			
- / -			
0.5 - 0.6			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
PIK 6-PE/L/L		**2714271**	50
FBRI 10-8 N	41 A	**2772080**	10
ATP-PIK		**2714145**	50
SZS 0,6X3,5		**1205053**	10
ZB 8 (see page 489)			

Width	Length	Height NS 35/7,5	
8.2	**88**	**51.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
41	**400**	**0.2 - 10**	**24 - 8**
IEC 60947-7-1 / IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	300	-	-
400	-	-	-
250	-	-	-
250	-	-	-
41 / 6	30 / -	- / -	-
6	-	-	-
24 - 8	26-8	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 10	0.2 - 6	0.25 - 6	0.25 - 4
0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
			0.5 - 2.5
9			
M3 / 0.5 - 0.6			
- / -			
0.5 - 0.6			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
PIK 6-PE/L/N		**2714297**	50
FBRI 10-8 N	41 A	**2772080**	10
ATP-PIK		**2714145**	50
SZS 0,6X3,5		**1205053**	10
ZB 8 (see page 489)			

Width	Length	Height NS 35/7,5	
8.2	**88**	**51.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
41	**400**	**0.2 - 10**	**24 - 8**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	300	-	-
400	-	-	-
-	-	-	-
-	-	-	-
41 / 6	30 / -	- / -	-
6	-	-	-
24 - 8	26-8	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 10	0.2 - 6	0.25 - 6	0.25 - 4
0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
			0.5 - 2.5
9			
M3 / 0.5 - 0.6			
- / -			
0.5 - 0.6			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
PIK 6-L/L		**2714284**	50
FBRI 10-8 N	41 A	**2772080**	10
ATP-PIK		**2714145**	50
SZS 0,6X3,5		**1205053**	10
ZB 8 (see page 489)			

Feed-through, multi-conductor and multi-level terminal blocks MT..., for NS 15 DIN rail

With their compact design, the MT 1,5 Micro Terminals do justice to the growing demand for ever smaller switchboxes.

The miniature terminal blocks have everything that makes the modular terminal blocks stand out:

– A constructional width of only 4 mm
– A rated cross-section of 1.5 mm²
– A snap-on foot for NS 15 DIN rails
– A multitude of possibilities for marking
– A bridging possibility in the terminal center

Power distribution is one of the main tasks of modular terminal blocks in control design.

With the MT 1,5-TWIN or MT 1,5-QUATTRO three or four-conductor terminal blocks, this task can be realized within a very restricted space. All micro terminals can be bridged in the terminal center, providing an additional possibility for power distribution.

The double-level micro terminal MTTB 1,5 takes space-saving to the extreme. Also only 4 mm wide, this double-level terminal block contains two independently bridgeable through levels. The MTTB 1,5 can not only be mounted on the 15 mm DIN rail, but also on the 35 mm DIN rail.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) The max. load current must not be exceeded by the total current of all connected conductors.

[2]) For information on installation for using accessories for Ex e applications, see page 720.



MT 1,5 ...

Ex: KEMA 97ATEX4914U

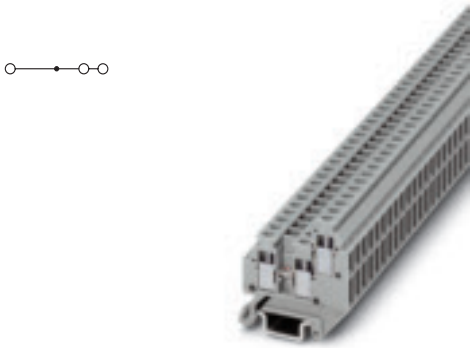
Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		4.2	**22**	**-**
Dimensions		Width	Length	Height NS 15
	[mm]	**4.2**	**22**	**23.5**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²] / AWG
		17.5	**400**	**0.14 - 1.5 / 26 - 16**
Rated data		IEC 60947-7-1 / IEC	UL / CUL	CSA / IEC/ EN 60079-7
Rated voltage	[V]	400	300	300 / 275
Nominal current / cross-section	[A] / [mm²]	17.5 / 1.5	15 / -	15 / - / 16.5 / 1.5 // 16.5 / 1.5
Rated cross-section	[mm²]	1.5	-	- / 1.5
Cross-section range	AWG	26 - 16	30-14	28-14 / -
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve
One conductor	[mm²]	0.14 - 1.5	0.14 - 1.5	0.25 - 0.75 / 0.25 - 0.75
Two conductors (of the same type)	[mm²]	0.14 - 0.5	0.14 - 0.5	0.25 - 0.34 / -
General data				
Stripping length	[mm]	6		
Screw thread		M2		
Tightening torque	[Nm]	0.22 - 0.25		
Insulating material		PA		
Inflammability class acc. to UL 94		V0		

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 15 in acc. with EN 60715		Gray	**MT 1,5**		**3100305**	50
		Blue	**MT 1,5 BU**		**3003363**	50
Double-level terminal block, with universal foot, for mounting on NS 15 or NS 35 in accordance with EN 60715		Gray				
		Blue				

Accessories[2])

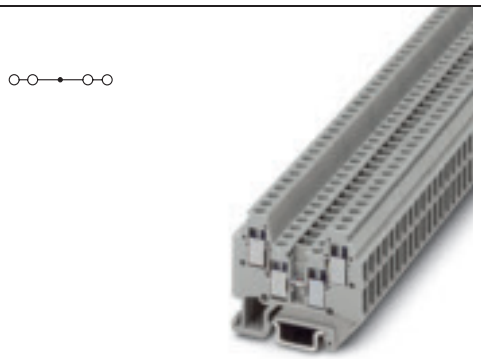
Cover, width 1 mm		Gray	**D-MT 1,5**		**3100321**	50
		Blue	**D-MT 1,5 BU**		**3025529**	50
Spacer cover, compensates for level offset if standard terminal blocks are to be fitted adjacently, 2 mm thick		Gray				
Spacer plate, compensates for level offset if standard terminal blocks are to be fitted adjacently, 2 mm thick		Gray				
Fixed jumper, for cross connections in the terminal center, divisible, with 10 screws						
	10	Silver	**FBRN 10-4 N**	12 A	**3001624**	10
Screwdriver			**SZS 0,4X2,5**		**1205037**	10
Zack marker strip, flat, for labeling the lateral groove			**ZBF 4 (see page 492)**			



MT 1,5-TWIN ...

Width	Length	Height NS 35/7,5	
4.2	**28**	**-**	
Width	Length	Height NS 15	
4.2	**28**	**30**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
17.5[1])	**400**	**0.14 - 1.5**	**26 - 16**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	300	300	-
17.5 / 1.5	15 / -	15 / -	-
1.5	-	-	-
26 - 16	30-14	28-14	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.14 - 1.5	0.14 - 1.5	0.25 - 0.75	0.25 - 0.75
0.14 - 0.5	0.14 - 0.5	0.25 - 0.34	-
6			
M2			
0.22 - 0.25			
PA			
V0			

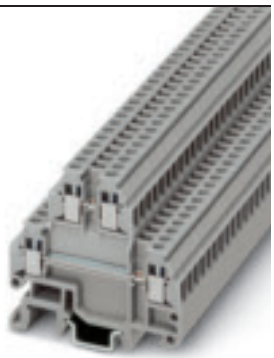
Type	I_{max}	Order No.	Pcs. / Pkt.
MT 1,5-TWIN		**3001682**	50
MT 1,5-TWIN BU		**3025532**	50
D-MT 1,5-TWIN		**3002979**	50
D-MT 1,5-TWIN BU		**3025545**	50
FBRN 10-4 N	12 A	**3001624**	10
SZS 0,4X2,5		**1205037**	10
ZBF 4 (see page 492)			



MT 1,5-QUATTRO ...

Width	Length	Height NS 35/7,5	
4.2	**33.5**	**-**	
Width	Length	Height NS 15	
4.2	**33.5**	**30**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
16[1])	**400**	**0.14 - 1.5**	**26 - 16**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	300	300	-
16 / 1.5	15 / -	15 / -	-
1.5	-	-	-
26 - 16	30-14	28-14	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.14 - 1.5	0.14 - 1.5	0.25 - 0.75	0.25 - 0.75
0.14 - 0.5	0.14 - 0.5	0.25 - 0.34	-
6			
M2			
0.22 - 0.25			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
MT 1,5-QUATTRO		**3001679**	50
MT 1,5-QUATTRO BU		**3025150**	50
D-MT 1,5-QUATTRO		**3002982**	50
D-MT 1,5-QUATTRO BU		**3025309**	50
FBRN 10-4 N	12 A	**3001624**	10
SZS 0,4X2,5		**1205037**	10
ZBF 4 (see page 492)			



MTTB 1,5 ...

Width	Length	Height NS 35/7,5	
4.2	**44**	**41**	
Width	Length	Height NS 15	
4.2	**44**	**41**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
17.5	**400**	**0.14 - 1.5**	**26 - 16**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	300	300	-
17.5 / 1.5	15 / -	15 / -	-
1.5	-	-	-
26 - 16	30-14	28-14	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.14 - 1.5	0.14 - 1.5	0.25 - 0.75	0.25 - 0.75
0.14 - 0.5	0.14 - 0.5	0.25 - 0.34	-
6			
M2			
0.22 - 0.25			
PA			
V0			

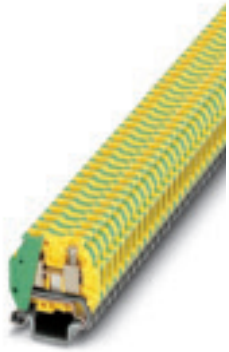
Type	I_{max}	Order No.	Pcs. / Pkt.
MTTB 1,5		**1414129**	50
MTTB 1,5 BU		**3000926**	50
D-MTTB 1,5		**3002665**	50
DG-MTTB 1,5		**3002678**	50
DP-MTTB 1,5		**3002681**	50
FBRN 10-4 N	12 A	**3001624**	10
SZS 0,4X2,5		**1205037**	10
ZBF 4 (see page 492)			

Ground terminal blocks MT ...-PE, for NS 15 DIN rail

The ground terminal blocks in the micro terminal range are the same shape and satisfy the stringent requirements of the standard IEC 60947-7-2 as a result of their:
– Low contact resistances
– Green-yellow housing
– Corrosion-proof terminal points
– Captive clamping screws

The most important single advantage of the micro ground terminal blocks is that their pitch matches that of the feed-through terminal blocks with the same cross-section. This saves space and simplifies marking.





MT 1,5-PE

Current carrying capacity of DIN rails, see page 728.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) For information on installation for using accessories for Ex e applications, see page 720.

Ex: KEMA 97ATEX4914U

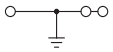
Dimensions		Width	Length	Height NS 15	
	[mm]	**4.2**	**22**	**23.5**	
Max. electrical data				Max. Ø [mm²]	AWG
				0.14 - 1.5	**26 - 16**
Rated data		IEC 60947-7-2 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	-	-	-	-
Nominal current / cross-section	[A] / [mm²]	- / -	- / -	- / -	- / 1.5
Rated cross-section	[mm²]	1.5	-	-	1.5
Cross-section range	AWG	26 - 16	30-14	28-14	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.14 - 1.5	0.14 - 1.5	0.25 - 0.75	0.25 - 0.75
Two conductors (of the same type)	[mm²]	0.14 - 0.5	0.14 - 0.5	0.25 - 0.34	-
General data					
Stripping length	[mm]	6			
Screw thread		M2			
Tightening torque	[Nm]	0.22 - 0.25			
Insulating material		PA			
Inflammability class acc. to UL 94		V0			

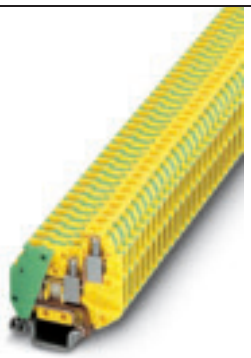
Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Ground terminal block, for mounting on NS 15	Green-yellow	**MT 1,5-PE**	**3100318**	50

Accessories[1])

Screwdriver	**SZS 0,4X2,5**	**1205037**	10
Zack marker strip, flat, for labeling the lateral groove	**ZBF 4 (see page 492)**		

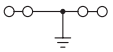


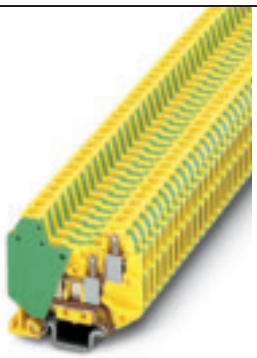


MT 1,5-TWIN-PE

Width	Length	Height NS 15	
4.2	**28**	**30**	
		Max. Ø [mm²]	AWG
		0.14 - 1.5	**26 - 16**
IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	-
1.5	-	-	-
26 - 16	30-14	28-14	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.14 - 1.5	0.14 - 1.5	0.25 - 0.75	0.25 - 0.75
0.14 - 0.5	0.14 - 0.5	0.25 - 0.34	-
6			
M2			
0.22 - 0.25			
PA			
V0			

Type	Order No.	Pcs. / Pkt.
MT 1,5-TWIN-PE	**3001705**	50
SZS 0,4X2,5	**1205037**	10
ZBF 4 (see page 492)		





MT 1,5-QUATTRO-PE

Width	Length	Height NS 15	
4.2	**33.5**	**30**	
		Max. Ø [mm²]	AWG
		0.14 - 1.5	**26 - 16**
IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	-
1.5	-	-	-
26 - 16	30-14	28-14	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.14 - 1.5	0.14 - 1.5	0.25 - 0.75	0.25 - 0.75
0.14 - 0.5	0.14 - 0.5	0.25 - 0.34	-
6			
M2			
0.22 - 0.25			
PA			
V0			

Type	Order No.	Pcs. / Pkt.
MT 1,5-QUATTRO-PE	**3001695**	50
SZS 0,4X2,5	**1205037**	10
ZBF 4 (see page 492)		

Miniature feed-through terminal blocks MBK ...

The "larger" miniature terminal blocks, originally developed from the MBK miniature strip terminal blocks, round off the series of miniature terminal blocks for the 15 mm DIN rail.

Only the MBK 2,5/E single terminal blocks remind us with their design of the MBK strip terminal blocks. All "larger" MBK terminal blocks have a bridging possibility in the terminal center, however, and can be labeled on the side with the ZB marking strip (except for MBK 2,5/E). The wiring of cross-sections up to 6 mm² is easily possible with these terminal blocks, having been optimized with regard to space, power and cross-section.

Extensive bridging material such as fixed bridges, insertion bridges and switch bars enable simple and reliable power distribution. In addition to this, the range of accessories is sensibly rounded off with separating plates, partition plates and test sockets.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) For information on installation for using accessories for Ex e applications, see page 720.



MBK 2,5/E ...

Ex: KEMA

KEMA 03ATEX2380U / IECEx KEM 07.0016U

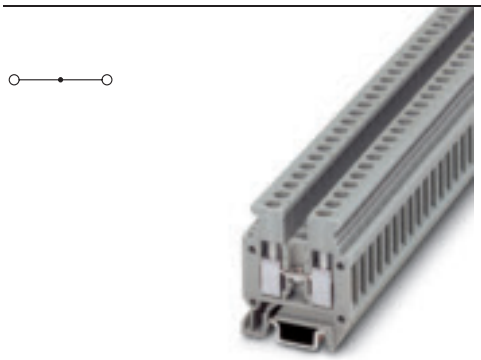
Dimensions		Width	Length	Height NS 15	
	[mm]	**5.2**	**24.5**	**26.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		24	**250**	**0.2 - 2.5**	**24 - 14**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	250	300	300	176
Nominal current / cross-section	[A] / [mm²]	24 / 2.5	20 / -	20 / -	22 / 2.5 // 22 / 2.5
Rated cross-section	[mm²]	2.5	-	-	2.5
Cross-section range	AWG	24 - 14	30-12	28-12	24 - 14
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.2 - 2.5	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
Two conductors (of the same type)	[mm²]	0.2 - 0.75	0.2 - 0.75	0.25 - 0.75	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1.5
Max. cross-section with insertion bridge	[mm²]	2.5	2.5		
General data					
Stripping length	[mm]	7			
Screw thread		M3			
Tightening torque	[Nm]	0.6 - 0.8			
Insulating material		PA			
Inflammability class acc. to UL 94		V2			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal, for mounting on NS 15		Gray	**MBK 2,5/E**		**1414006**	50
		Blue	**MBK 2,5/E BU**		**1414019**	50

Accessories[1])

Cover, width 1 mm		Gray	**D-MBK 2,5/E**		**1414035**	50
		Blue	**D-MBK 2,5/E BU**		**1414022**	50
Cover, width 1.5 mm		Gray				
Insertion bridge, for 5.2 mm pitch, fully insulated						
	2	Gray	**EB 2- 5**	22 A	**1401158**	100
	3	Gray	**EB 3- 5**	22 A	**1401145**	100
	10	Gray	**EB 10- 5**	22 A	**1401132**	10
Fixed bridge, for cross connections in the terminal center, with permanently crimped rolls, screw heads with insulating collar as shock protection						
	10	Silver	**FBRNI 10-5 N**	24 A	**2770639**	10
Switching jumper for 2 terminal blocks or bridged terminal groups, a cover must be interposed						
	2	Silver				
Isolator bridge bar, divisible, with 10 screws, for switchable branches with **IS-K...**						
	10	Silver				
Bridge bar isolator, as distance piece for isolator bridge bar		Gray				
Separating disk, for electrical separation of neighboring bridges, can be fitted later, no loss of pitch		Gray				
Partition plate, for visual and electrical separation of terminal groups, 2.5 mm thick		Gray	**ATP-MBK**		**1413227**	50
Test socket		Silver	**PSB 3/10/4**		**0601292**	10
Screwdriver			**SZS 0,6X3,5**		**1205053**	10
BN zack marker strip, 10-section			**BN-ZB 5,2 (refer to Online Shop)**			
Zack marker strip, for labeling the lateral groove						

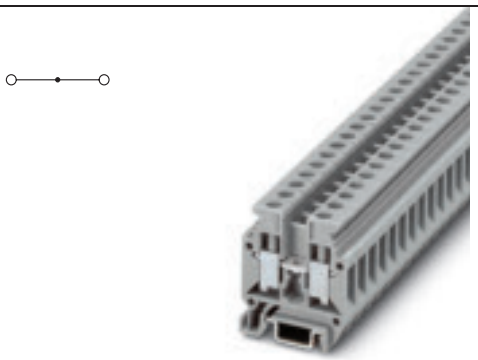


MBK 3/E-Z ...

Ex: KEMA
KEMA 01ATEX2134U / IECEx KEM 07.0008U

Width	Length	Height NS 15	
5.2	**28**	**32**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
32	**500**	**0.2 - 4**	**24 - 12**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	600	600	275
24 / 2.5	20 / -	20 / -	22.5 / 2.5 // 28 / 4
2.5	-	-	2.5
24 - 12	28-12	28-12	24 - 12
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 1.5
0.2 - 1	0.2 - 1.5	0.25 - 1.5	- 0.5 - 1
2.5	2.5		
8			
M3			
0.6 - 0.8			
PA			
V2			

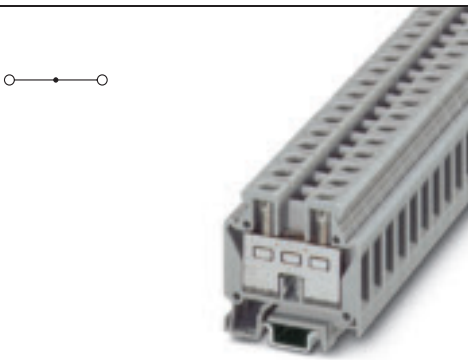
Type	I_{max}	Order No.	Pcs. / Pkt.
MBK 3/E-Z		**1413036**	50
MBK 3/E-Z BU		**1413078**	50
D-MBK/E		**1415021**	50
D-MBK/E BU		**1415102**	50
EBL 10- 5	24 A	**2303132**	10
FBRI 10-5 N	24 A	**2770642**	10
SBRN 2-7	24 A	**1413230**	1
TS-KK 3		**2770215**	50
ATP-MBK		**1413227**	50
PSB 3/10/4		**0601292**	10
SZS 0,6X3,5		**1205053**	10
ZB 5 (see page 487)			



MBK 5/E-Z ...

Width	Length	Height NS 15	
6.2	**28**	**32**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
41	**500**	**0.2 - 6**	**24 - 10**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	600	-	-
32 / 4	30 / -	- / -	-
4	-	-	-
24 - 10	26-10	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	- 0.5 - 2.5
4	4		
8			
M3			
0.5 - 0.6			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
MBK 5/E-Z		**1402940**	50
MBK 5/E-Z BU		**1402982**	50
D-MBK/E		**1415021**	50
D-MBK/E BU		**1415102**	50
EB 2- 6	32 A	**0201155**	100
EB 3- 6	32 A	**0201142**	100
EB 10- 6	32 A	**0201139**	10
FBI 10- 6	41 A	**0203250**	10
SBRN 2-7	24 A	**1413230**	1
TS-KK 3		**2770215**	50
ATP-MBK		**1413227**	50
PSB 3/10/4		**0601292**	10
SZS 0,6X3,5		**1205053**	10
ZB 6 (see page 487)			



MBK 6/E

Ex: KEMA
KEMA 01ATEX2134U / IECEx KEM 07.0008U

Width	Length	Height NS 15	
8.2	**35**	**36**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
57	**500**	**0.5 - 10**	**20 - 8**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	600	300	275
41 / 6	50 / -	50 / -	37 / 6 // 49 / 10
6	-	-	6
20 - 8	26-8	26-8	20 - 8
Solid	Stranded	Ferrule without / with plastic sleeve	
0.5 - 10	0.5 - 6	0.25 - 6	0.25 - 6
0.5 - 2.5	0.5 - 2.5	0.5 - 2.5	- 0.5 - 2.5
6	4		
10			
M4			
1.5 - 1.8			
PA			
V2			

Type	I_{max}	Order No.	Pcs. / Pkt.
MBK 6/E		**0552024**	50
D-MBK 6/E		**1413049**	50
EB 2- 8	43 A	**0202154**	100
EB 3- 8	43 A	**0202141**	100
EB 10- 8	43 A	**0202138**	10
FBI 10- 8	48 A	**0203263**	10
SB 2- 8/13	43 A	**0202235**	1
ISSBI 10- 8	43 A	**0301534**	10
IS-K 10		**1303337**	100
TS-KK 3		**2770215**	50
ATP-MBK		**1413227**	50
PSB 4/7/6		**0303299**	10
SZS 1,0X4,0		**1205066**	10
ZB 8 (see page 489)			

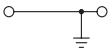
Miniature ground terminal blocks
MBK ...-PE, MSLKG 6

These miniature ground terminal blocks are specially designed for the small 15 mm DIN rails according to EN 60715.

The green-yellow marking of the enclosed insulation housings means that the grounding function of the terminal blocks is absolutely clear.

The miniature ground terminal blocks are connected to the DIN rail via their foot elements. The rail can therefore be used as a grounding busbar.

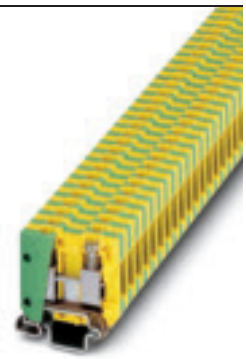
If the MBK 2,5/E-PE, MBK 3/E-Z-PE or MBK 5/E-Z-PE miniature ground terminal blocks are used at the end of a terminal strip, then an end bracket, e.g. E/MK, should be used.



Current carrying capacity of DIN rails, see page 728.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) For information on installation for using accessories for Ex e applications, see page 720.



MBK 2,5/E-PE

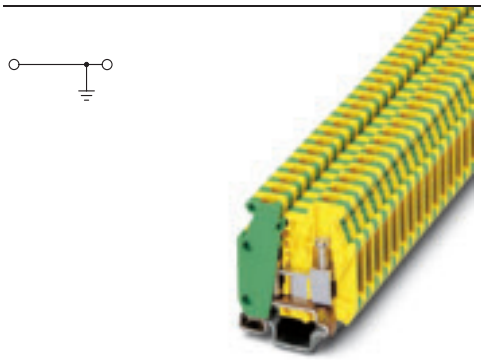
Dimensions		Width	Length	Height NS 15	
	[mm]	**5.2**	**26.5**	**26.5**	
Max. electrical data				Max. Ø [mm²]	AWG
				0.2 - 2.5	**24 - 14**
Rated data		IEC 60947-7-2 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	-	-	-	-
Nominal current / cross-section	[A] / [mm²]	- / -	- / -	- / -	-
Rated cross-section	[mm²]	2.5	-	-	-
Cross-section range	AWG	24 - 14	30-12	28-12	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.2 - 2.5	0.2 - 2.5	0.25 - 2.5	0.25 - 1.5
Two conductors (of the same type)	[mm²]	0.2 - 1	0.2 - 1.5	0.25 - 1.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1.5
General data					
Stripping length	[mm]	7			
Terminal point: thread / torque	- / [Nm]	M3 / 0.6 - 0.8			
Mounting: thread / torque	- / [Nm]	- / -			
Insulating material		PA			
Inflammability class acc. to UL 94		V0			

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Ground terminal block, for mounting on NS 15	Green-yellow	**MBK 2,5/E-PE**	**1402788**	50

Accessories[1])

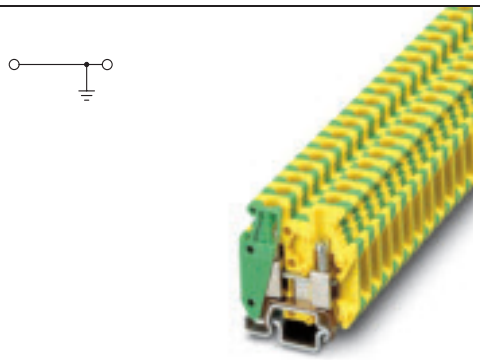
Marker pin, unprinted, made of plastic, for individual labeling with B-STIFT or X-PEN	White	**BN WH**	**1401404**	100
Screwdriver		**SZS 0,6X3,5**	**1205053**	10
Zack marker strip, for labeling the lateral groove				



MBK 3/E-Z-PE

Width	Length	Height NS 15	
5.2	**28**	**31.5**	
		Max. Ø [mm²]	AWG
		0.2 - 4	**24 - 12**
IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	-
2.5	-	-	-
24 - 12	30-12	28-12	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 1.5
0.2 - 1	0.2 - 1.5	0.25 - 1.5	- 0.5 - 1.5
8			
M3 / 0.6 - 0.8			
- / -			
PA			
V0			

Type	Order No.	Pcs. / Pkt.
MBK 3/E-Z-PE	**1413117**	50
SZS 0,6X3,5	**1205053**	10
ZB 5 (see page 487)		



MBK 5/E-Z-PE

Width	Length	Height NS 15	
6.2	**28**	**32**	
		Max. Ø [mm²]	AWG
		0.2 - 6	**24 - 10**
IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	-
4	-	-	-
24 - 10	26-14	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	- 0.5 - 2.5
8			
M3 / 0.6 - 0.8			
- / -			
PA			
V0			

Type	Order No.	Pcs. / Pkt.
MBK 5/E-Z -PE	**0452043**	50
SZS 0,6X3,5	**1205053**	10
ZB 6 (see page 487)		



MSLKG 6

Ex: KEMA
KEMA 01ATEX2134U / IECEx KEM 07.0008U

Width	Length	Height NS 15	
8.2	**39**	**36**	
		Max. Ø [mm²]	AWG
		0.5 - 10	**20 - 8**
IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	- / 6
6	-	-	6
20 - 8	26-8	26-8	20 - 8
Solid	Stranded	Ferrule without / with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
0.5 - 2.5	0.2 - 2.5	0.5 - 1.5	- 0.5 - 2.5
10			
M4 / 1.5 - 1.8			
M4 / 1.5 - 1.8			
PA			
V2			

Type	Order No.	Pcs. / Pkt.
MSLKG 6	**1410505**	50
SZS 1,0X4,0	**1205066**	10
ZB 8 (see page 489)		

Miniature strip terminal blocks
MBK ...



For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



MBK ...

The MBK miniature strip terminal blocks and their variants with solder or slip-on connections represent the original typical form of the MBK series. The desired number of terminal blocks can be cut off the strip and slid onto the 15 mm DIN rail or fitted directly on the mounting plate. The end bracket E/MBK, is used here. In the case of railless mounting, termination blocks consisting of a maximum of 12 terminal blocks are fixed in place using the end bracket and screwed onto the mounting plate.

In order to achieve the ideal and smallest possible constructional size, the bridging possibility in the terminal center has been purposely done away with here. However, in order to retain the capability of power distribution, the miniature strip terminal blocks with screw connection can be bridged using insertion bridges with up to 10 positions.

Dimensions		Width	Length	Height NS 15	
	[mm]	**5.2**	**22**	**23**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		24	**500**	**0.2 - 2.5**	**24 - 14**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	300	150	-
Nominal current / cross-section	[A] / [mm²]	1.5 / 1.5	15 / -	25 / -	-
Rated cross-section	[mm²]	1.5	-	-	-
Cross-section range	AWG	24 - 14	30-14	28-12	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.2 - 2.5	0.2 - 1.5	0.25 - 1.5	0.25 - 1
Two conductors (of the same type)	[mm²]	0.2 - 0.75	0.2 - 1	0.25 - 0.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 0.75
Max. cross-section with insertion bridge	[mm²]	1.5	1.5		
General data					
Stripping length	[mm]	8			
Screw thread		M2,6			
Tightening torque	[Nm]	0.5 - 0.6			
Insulating material		PA			
Inflammability class acc. to UL 94		V2			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, with screw connection on both sides, for slide fitting on NS 15		Gray	**MBK**		**1401019**	200
		Blue	**MBK BU**		**1401093**	200

Accessories

Insertion bridge, for 5.2 mm pitch, fully insulated						
	2	Gray	**EB 2- 5**	24 A	**1401158**	100
	3	Gray	**EB 3- 5**	24 A	**1401145**	100
	10	Gray	**EB 10- 5**	24 A	**1401132**	10
Partition plate, in acc. with EN 50020, section 5.4, for intrinsically safe circuits, 2 mm thick		Gray	**TP-BK/MBK**		**0801791**	10
Partition plate, for visual and electrical separation of terminal groups, 0.5 mm thick		Gray	**ATS-MBK**		**1402225**	100
Partition plate, for visual and electrical separation of terminal groups, 2.5 mm thick		Gray	**ATP-MBK**		**1413227**	50
End bracket, to snap on NS 15, for slide-on miniature terminal blocks, can be fastened with a screw, can be labeled with KLM 1		Gray	**E/MBK**		**1401637**	100
Screwdriver			**SZS 0,6X3,5**		**1205053**	10
Marker pin, unprinted, made of plastic, for individual labeling with B-STIFT or X-PEN		White	**BN WH**		**1401404**	100

Miniature feed-through terminal blocks with slip-on connection MBK 5...

The MBK 5/E-FS enables the internal wiring common in wide areas of control cabinet design using pre-assembled cables with slip-on connection. On the external side of the control cabinet, this terminal block has a screw connection with the tested spring-cage system.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

The D-MBK/E cover can be used as a separating plate as well.

1) Current data for slip-on connections in acc. with DIN 61210 are also dependent on nominal size, material, insulation of the sleeve and conductor cross-section.





MBK 5/E-FS ...





MBK 5/E-FS/FS ...

Dimensions		Width	Length	Height NS 15		Width	Length	Height NS 15	
	[mm]	**6.2**	**28**	**32**		**6.2**	**28**	**32**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG	$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		16	**500[1])**	**0.2 - 4**	**24 - 12**	**16**	**500[1])**	**-**	**-**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7	IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500[1])	300	-	-	500[1])	300	-	-
Nominal current / cross-section	[A] / [mm²]	16 / 4	5 / -	- / -	-	- / -	5 / -	- / -	-
Rated cross-section	[mm²]	4	-	-	-	-	-	-	-
Cross-section range	AWG	24 - 12	26-10	-	-	-	-	-	-
Connection capacity, screw connection		Solid	Stranded	Ferrule without / with plastic sleeve		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5	-	-	-	-
Two conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 1	-	-	-	-	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1.5				
Max. cross-section with insertion bridge	[mm²]	2.5	1.5						
General data									
Stripping length	[mm]	8				-			
Screw thread		M3				-			
Tightening torque	[Nm]	0.6 - 0.8				-			
Insulating material		PA-F				PA-F			
Inflammability class acc. to UL 94		HB				HB			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal, for mounting on NS 15		Gray	**MBK 5/E-FS**		**1418073**	50				
		Blue	**MBK 5/E-FS BU**		**1418112**	50				
Terminal, for mounting on NS 15, with slip-on connection on both sides		Gray					**MBK 5/E-FS/FS**		**1417074**	50
		Blue					**MBK 5/E-FS/FS BU**		**1417113**	50

Accessories

Cover, width 1 mm		Gray	**D-MBK/E**		**1415021**	50	**D-MBK/E**		**1415021**	50
		Blue	**D-MBK/E BU**		**1415102**	50	**D-MBK/E BU**		**1415102**	50
Insertion bridge, fully insulated										
	2	Gray	**EB 2- 6**	16 A	**0201155**	100	**EB 2- 6**	16 A	**0201155**	100
	3	Gray	**EB 3- 6**	16 A	**0201142**	100	**EB 3- 6**	16 A	**0201142**	100
	10	Gray	**EB 10- 6**	16 A	**0201139**	10	**EB 10- 6**	16 A	**0201139**	10
Fixed bridge, for cross connections in the terminal center, screw heads with insulating collar, divisible, with 10 screws										
	10	Silver	**FBI 10- 6**	10 A	**0203250**	10	**FBI 10- 6**	10 A	**0203250**	10
Switching jumper for 2 terminal blocks or bridged terminal groups, a cover must be interposed										
		Silver	**SBRN 2-7**	10 A	**1413230**	1	**SBRN 2-7**	10 A	**1413230**	1
Isolator bridge bar, divisible, with 10 screws, for switchable branches with **IS-K...**										
	10	Silver	**ISSBI 10- 6**	10 A	**0301505**	10	**ISSBI 10- 6**	10 A	**0301505**	10
Bridge bar isolator, as distance piece for isolator bridge bar		Gray	**IS-K 4**		**1302338**	100	**IS-K 4**		**1302338**	100
Partition plate, for visual and electrical separation of terminal groups, 2.5 mm thick		Gray	**ATP-MBK**		**1413227**	50	**ATP-MBK**		**1413227**	50
Test socket		Silver	**PSB 3/10/4**		**0601292**	10	**PSB 3/10/4**		**0601292**	10
Test socket, insulated, can be used only with FBI and ISSBI		Silver	**PSBJ 3/13/4**		**0201304**	10	**PSBJ 3/13/4**		**0201304**	10
Screwdriver			**SZS 0,6X3,5**		**1205053**	10	**SZS 0,6X3,5**		**1205053**	10
Marker pin, unprinted, made of plastic, for individual labeling with B-STIFT or X-PEN		White	**BN WH**		**1401404**	100				

Miniature feed-through and ground terminal blocks MBK ... and MSLKG ...



MBK 3 ...

Current carrying capacity of DIN rails, see page 728.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) For information on installation for using accessories for Ex e applications, see page 720.

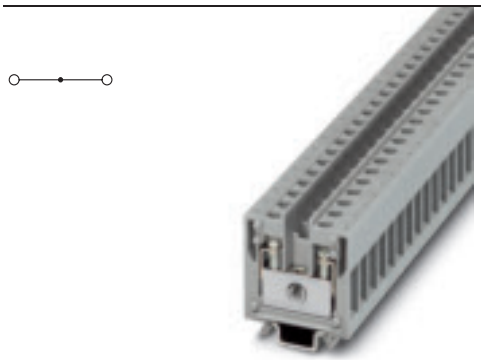
Dimensions		Width	Length	Height NS 15	
	[mm]	**5.2**	**28**	**32**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		32	**500**	**0.2 - 4**	**24 - 12**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	600	150	-
Nominal current / cross-section	[A] / [mm²]	24 / 2.5	20 / -	25 / -	-
Rated cross-section	[mm²]	2.5	-	-	-
Cross-section range	AWG	24 - 12	28-12	28-12	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 1.5
Two conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1
Max. cross-section with insertion bridge	[mm²]	2.5	2.5		
General data					
Stripping length	[mm]	8			
Terminal point: thread / torque	- / [Nm]	M3 / 0.6 - 0.8			
Mounting: thread / torque	- / [Nm]	- / -			
Insulating material		PA			
Inflammability class acc. to UL 94		V2			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal, for mounting on NS 15		Gray	**MBK 3**		**1413010**	50
		Blue	**MBK 3 BU**		**1413094**	50
Ground terminal block, for mounting on NS 15		Green-yellow				

Accessories[1])

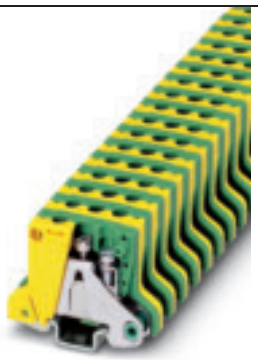
Cover, width 2.5 mm		Gray	**D-MBK 3/5**		**1413023**	50
		Blue	**D-MBK 3/5 BU**		**1413104**	50
Insertion bridge, fully insulated						
	2	Gray				
	3	Gray				
	10	Gray	**EBL 10- 5**	24 A	**2303132**	10
Fixed bridge, for cross connections in the terminal center, screw heads with insulating collar, divisible, with 10 screws						
	10	Silver				
Fixed jumper, for cross connections in the terminal center, screw heads with insulating collar as shock protection						
	10	Silver	**FBRI 10-5 N**	26 A	**2770642**	10
Switching jumper for 2 terminal blocks or bridged terminal groups, a cover must be interposed						
		Silver	**SBRN 2-7**	24 A	**1413230**	1
Separating disk, for electrical separation of neighboring bridges, can be fitted later, no loss of pitch		Gray	**TS-KK 3**		**2770215**	50
Partition plate, for visual and electrical separation of terminal groups, 2.5 mm thick		Gray	**ATP-MBK**		**1413227**	50
Test socket		Silver	**PSB 3/10/4**		**0601292**	10
Marker pin, unprinted, made of plastic, for individual labeling with B-STIFT or X-PEN		White	**BN WH**		**1401404**	100



MBK 5 ...

Width	Length	Height NS 15	
6.2	**28**	**32**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
32	**500**	**0.2 - 4**	**24 - 12**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	600	300	-
32 / 4	30 / -	10 / -	-
4	-	-	-
24 - 12	26-10	28-10	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	- 0.5 - 2.5
4	2.5		
8			
M3 / 0.6 - 0.8			
- / -			
PA			
V0			

Type	I_{max}	Order No.	Pcs. / Pkt.
MBK 5		**1415018**	50
MBK 5 BU		**1415092**	50
D-MBK 3/5		**1413023**	50
D-MBK 3/5 BU		**1413104**	50
EB 2- 6	32 A	**0201155**	100
EB 3- 6	32 A	**0201142**	100
EB 10- 6	32 A	**0201139**	10
FBI 10- 6	34 A	**0203250**	10
SBRN 2-9	24 A	**1415238**	1
TS-KK 3		**2770215**	50
ATP-MBK		**1413227**	50
PSB 3/10/4		**0601292**	10
BN WH		**1401404**	100



MSLKG 2,5

Ex: KEMA
KEMA 03ATEX2381U / IECEx KEM 07.0017U

Width	Length	Height NS 15	
7.5	**35**	**26.5**	
		Max. Ø [mm²]	AWG
		0.2 - 4	**24 - 12**
IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	- / 2.5
2.5	-	-	2.5
24 - 12	28-12	28-12	24 - 12
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 1.5
0.2 - 1	0.2 - 1	0.25 - 1.5	- 0.5 - 1
8			
M3 / 0.6 - 0.8			
M2,5 / 0.5 - 0.6			
PA			
V2			

Type	Order No.	Pcs. / Pkt.
MSLKG 2,5	**0452027**	50
BN WH	**1401404**	100



MSLKG 5

Ex: KEMA
KEMA 00ATEX2100 U / IECEx KEM 07.0035U

Width	Length	Height NS 15	
8.2	**38**	**32**	
		Max. Ø [mm²]	AWG
		0.2 - 4	**24 - 12**
IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	- / -	- / -	- / 4
4	-	-	4
24 - 12	26-10	28-10	24 - 12
Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	- 0.5 - 1
8			
M3 / 0.6 - 0.8			
M3 / 0.6 - 0.8			
PA			
V2			

Type	Order No.	Pcs. / Pkt.
MSLKG 5	**0452014**	50
BN WH	**1401404**	100

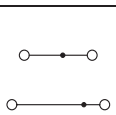
Miniature multi-level terminal block MBKKB 2,5...

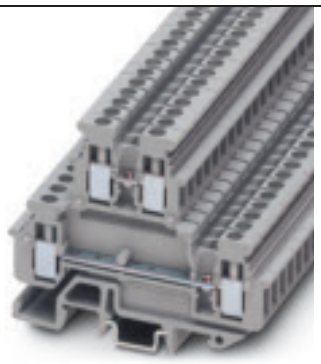
The mini double-level terminal block is impressive due to its space-saving, low type and the typical offset level.With the MBKKB, it is possible to insert fixed jumpers and test sockets into both levels.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

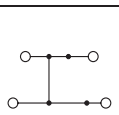
1) The max. load current must not be exceeded by the total current of all connected conductors.

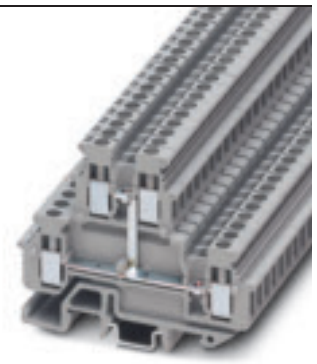
2) For information on installation for using accessories for Ex e applications, see page 720.





MBKKB 2,5 ...





MBKKB 2,5-PV ...

Ex: KEMA 03ATEX2082 U / IECEx KEM 07.0018U

		MBKKB 2,5 ...				MBKKB 2,5-PV ...			
Dimensions		Width	Length	Height NS 35/7,5		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**62**	**48**		**5.2**	**62**	**48**	
Dimensions		Width	Length	Height NS 15		Width	Length	Height NS 15	
	[mm]	**5.2**	**62**	**47.5**		**5.2**	**62**	**47.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG	$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		24	**500**	**0.2 - 4**	**24 - 12**	**24[1])**	**500**	**0.2 - 4**	**24 - 12**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7	IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	300	300	275	500	300	-	-
Nominal current / cross-section	[A] / [mm²]	24 / 2.5	20 / -	20 / -	21 / 2.5 // 26 / 4	24 / 2.5	20 / -	- / -	-
Rated cross-section	[mm²]	2.5	-	-	2.5	2.5	-	-	-
Cross-section range	AWG	24 - 12	30-12	28-12	24 - 12	24 - 12	30-12	-	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 1.5	0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 1.5
Two conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1				0.5 - 1
Max. cross-section with insertion bridge	[mm²]	2.5	2.5			2.5	2.5		
General data									
Stripping length	[mm]	7				7			
Screw thread		M3				M3			
Tightening torque	[Nm]	0.5 - 0.6				0.5 - 0.6			
Insulating material		PA				PA			
Inflammability class acc. to UL 94		V2				V2			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.	Type	I_{max}	Order No.	Pcs. / Pkt.
Double-level terminal block, with universal foot, for mounting on NS 15 or NS 35... in accordance with EN 60715		Gray	**MBKKB 2,5**		**1414064**	50				
		Blue	**MBKKB 2,5 BU**		**1414077**	50				
Double-level terminal block, with universal foot, for mounting on NS 15 or NS 35... in accordance with EN 60715, with equipotential bonding between the levels[1])		Gray					**MBKKB 2,5-PV**		**2800583**	50
		Blue					**MBKKB 2,5-PV BU**		**1414132**	50

Accessories[2])

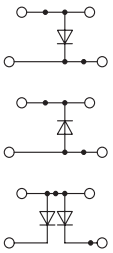
Cover, width 2.5 mm		Gray	**D-MBKKB 2,5**		**1413052**	50	**D-MBKKB 2,5**		**1413052**	50
		Blue	**D-MBKKB 2,5 BU**		**1413081**	50	**D-MBKKB 2,5 BU**		**1413081**	50
Spacer plate, compensates for level offset if standard terminal blocks are to be fitted adjacently, 2.5 mm thick		Gray	**DP-MBKKB 2,5**		**1413065**	50	**DP-MBKKB 2,5**		**1413065**	50
Fixed bridge, for cross connections in the terminal center, with permanently crimped rolls, screw heads with insulating collar as shock protection										
	2	Silver	**FBRNI 2-5 N**	22 A	**3000175**	10	**FBRNI 2-5 N**	22 A	**3000175**	10
	3	Silver	**FBRNI 3-5 N**	22 A	**3000162**	10	**FBRNI 3-5 N**	22 A	**3000162**	10
	4	Silver	**FBRNI 4-5 N**	22 A	**3000159**	10	**FBRNI 4-5 N**	22 A	**3000159**	10
	10	Silver	**FBRNI 10-5 N**	22 A	**2770639**	10	**FBRNI 10-5 N**	22 A	**2770639**	10
Insertion bridge, for 5.2 mm pitch, fully insulated										
	2	Gray	**EB 2- 5**	20 A	**1401158**	100	**EB 2- 5**	20 A	**1401158**	100
	3	Gray	**EB 3- 5**	20 A	**1401145**	100	**EB 3- 5**	20 A	**1401145**	100
	10	Gray	**EB 10- 5**	20 A	**1401132**	10	**EB 10- 5**	20 A	**1401132**	10
Separating disk, for electrical separation of neighboring bridges, can be fitted later, no loss of pitch		Gray	**TS-KK 3 SO**		**2778534**	50	**TS-KK 3 SO**		**2778534**	50
Test socket		Silver	**PSB 3/10/4**		**0601292**	10	**PSB 3/10/4**		**0601292**	10
Screwdriver			**SZS 0,6X3,5**		**1205053**	10	**SZS 0,6X3,5**		**1205053**	10
Zack marker strip, for labeling the lateral groove			**ZB 5 (see page 487)**				**ZB 5 (see page 487)**			

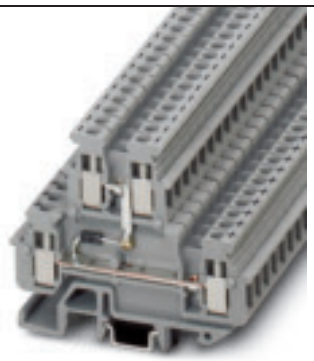
Miniature component terminal blocks, MBKKB 2,5

Thanks to the different versions of double-level diode terminal blocks, it is possible to carry out a great variety of switching tasks.
In a minimum of space, it is thus possible to configure:
– Free-wheeling diode circuits
– Lamp test circuits
– Alarm and fault message circuits

[1]) Data is based on the dielectric strength of adjacent terminal blocks or of the DIN rail.

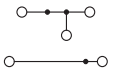
[2]) Integrated: diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 0.5 A

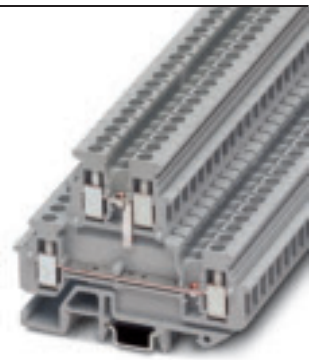




MBKKB 2,5-DIO/...

With integrated diode 1N 4007





MBKKB 2,5-BE

Dimensions		Width	Length	Height NS 35/7,5		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**62**	**48**		**5.2**	**62**	**48**	
Dimensions		Width	Length	Height NS 15		Width	Length	Height NS 15	
	[mm]	**5.2**	**62**	**47.5**		**5.2**	**62**	**47.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG	$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		24	**500[1])**	**0.2 - 4**	**24 - 12**	**24**	**500[1])**	**0.2 - 4**	**24 - 12**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7	IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500[1])	-	-	-	500[1])	-	-	-
Nominal current / cross-section	[A] / [mm²]	24 / 2.5	- / -	- / -	-	24 / 2.5	- / -	- / -	-
Rated cross-section	[mm²]	2.5	-	-	-	2.5	-	-	-
Cross-section range	AWG	24 - 12	-	-	-	24 - 12	-	-	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5	0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
Two conductors (of the same type)	[mm²]	0.2 - 1	0.2 - 1.5	0.25 - 1.5	-	0.2 - 1	0.2 - 1.5	0.25 - 1.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1.5				0.5 - 1.5
Max. cross-section with insertion bridge	[mm²]	2.5	2.5			2.5	2.5		
General data									
Stripping length	[mm]	7				7			
Screw thread		M3				M3			
Tightening torque	[Nm]	0.5 - 0.6				0.5 - 0.6			
Insulating material		PA				PA			
Inflammability class acc. to UL 94		V2				V2			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, with integrated diode, conducting from top to bottom[2])		Gray	**MBKKB 2,5-DIO/O-U**		**2800567**	50				
Terminal block, with integrated diode, conducting from bottom to top[2])		Gray	**MBKKB 2,5-DIO/U-O**		**2800570**	50				
Terminal block, with integrated diode, conducting from top to bottom left and from top to bottom right[2])		Gray	**MBKKB 2,5-2DIO/O-UL/O-UR**		**3003871**	50				
Terminal block, for soldering in a component from top to bottom		Gray					**MBKKB 2,5-BE**		**1414103**	50

Accessories

Cover, width 2.5 mm		Gray	**D-MBKKB 2,5**		**1413052**	50	**D-MBKKB 2,5**		**1413052**	50
Spacer plate, compensates for level offset if standard terminal blocks are to be fitted adjacently, 2.5 mm thick		Gray	**DP-MBKKB 2,5**		**1413065**	50	**DP-MBKKB 2,5**		**1413065**	50
Fixed bridge, for cross connections in the terminal center, with permanently crimped rolls, screw heads with insulating collar as shock protection										
	2	Silver	**FBRNI 2-5 N**	22 A	**3000175**	10	**FBRNI 2-5 N**	22 A	**3000175**	10
	3	Silver	**FBRNI 3-5 N**	22 A	**3000162**	10	**FBRNI 3-5 N**	22 A	**3000162**	10
	4	Silver	**FBRNI 4-5 N**	22 A	**3000159**	10	**FBRNI 4-5 N**	22 A	**3000159**	10
	10	Silver	**FBRNI 10-5 N**	22 A	**2770639**	10	**FBRNI 10-5 N**	22 A	**2770639**	10
Screwdriver			**SZS 0,6X3,5**		**1205053**	10	**SZS 0,6X3,5**		**1205053**	10
Zack marker strip, for labeling the lateral groove			**ZB 5 (see page 487)**				**ZB 5 (see page 487)**			

Device terminal blocks for direct mounting G 5/G 10 and GE 10...



For drawings and dimensions, see page 453.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



G 5/...

The area of application of these compact **G terminal blocks** is mainly mains connections for electrical and electronic devices and small terminal boxes.

The housing is made of impact resistant polyamide and offers finger-safe shock protection. The blocks have interlocking tongues and grooves and are equipped with two screws each.

The GE ... terminal block variants can be mounted directly via the lateral flanges.

Dimensions		Width	Length	Height	
	[mm]	**20**	**22**	**24**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		32	**500**	**0.2 - 4**	**24 - 12**
Rated data		IEC 60947-7-1/IEC 60998			
		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	300	300	-
Nominal current / cross-section	[A] / [mm²]	32 / 4	30 / -	30 / -	-
Rated cross-section	[mm²]	4	-	-	-
Cross-section range	AWG	24 - 12	26-10	28-10	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
Two conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1
General data					
Stripping length	[mm]	8			
Screw thread		M3			
Tightening torque	[Nm]	0.6 - 0.8			
Insulating material		PA			
Inflammability class acc. to UL 94		V2			

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Device terminal block, for direct mounting, 2-pos.	Gray	**G 5/ 2**	**2716020**	50
2-pos.	Blue			
3-pos.	Gray	**G 5/ 3**	**2716033**	50
4-pos.	Gray	**G 5/ 4**	**2716046**	50
5-pos.	Gray	**G 10/ 5**	**2716732**	10
6-pos.	Gray	**G 5/ 6**	**2716062**	50
12-pos.	Gray	**G 5/12**	**2716127**	50
Device terminal block, for direct mounting, bridged, 2-pos.	Orange	**G 5/ 2 B**	**2716305**	50
2-pos., bridged	Gray			
2-pos., bridged	Blue			

Accessories

Warning label				
	Yellow	**WS-G5/2**	**2720029**	10
	Yellow	**WS-G5/3**	**2720032**	10
	Yellow	**WS-G5/4**	**2716499**	10
Marker pin, unprinted, made of plastic, for individual labeling with B-STIFT or X-PEN	White	**BN WH**	**1401404**	100
Screwdriver		**SZS 0,6X3,5**	**1205053**	10
UniCard sheet, for labeling the lateral groove				
Zack marker strip, for labeling the lateral groove				



G 10/...



GE 10/2...



GE 10/2-B...

Width	Length	Height	
29	**22**	**31**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
76	**800**	**0.5 - 16**	**20 - 6**
IEC 60947-7-1/IEC 60998			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800	600	600	-
57 / 10	65 / -	65 / -	-
10	-	-	-
20 - 6	24-6	22-6	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.5 - 16	0.5 - 10	0.5 - 16	0.5 - 16
0.5 - 6	0.5 - 6	0.5 - 6	-
			0.5 - 6
12			
M4			
1.5 - 1.8			
PA			
V2			

Type	Order No.	Pcs. / Pkt.
G 10/ 2	**2716703**	10
G 10/ 3	**2716716**	10
G 10/ 4	**2716729**	10
BN WH	**1401404**	100
SZS 1,0X4,0	**1205066**	10

Width	Length	Height	
71.3	**24.8**	**40**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
76	**1000**	**0.5 - 16**	**20 - 6**
IEC 60947-7-1/IEC 60998			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
1000	-	-	-
57 / 10	- / -	- / -	-
10	-	-	-
20 - 6	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.5 - 16	0.5 - 10	0.5 - 10	0.5 - 6
0.5 - 4	0.5 - 4	0.5 - 2.5	-
			0.5 - 6
10			
M4			
1.5 - 1.8			
PA			
V2			

Type	Order No.	Pcs. / Pkt.
GE 10/2	**3071049**	25
GE 10/2 BU	**3071052**	25
SZS 1,0X4,0	**1205066**	10
UC-TM 8 (see page 479)		
ZB 8 (see page 489)		

Width	Length	Height	
71.3	**24.8**	**40**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
76	**1000**	**0.5 - 16**	**20 - 6**
IEC 60947-7-1/IEC 60998			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
1000	-	-	-
57 / 10	- / -	- / -	-
10	-	-	-
20 - 6	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.5 - 16	0.5 - 10	0.5 - 10	0.5 - 6
0.5 - 4	0.5 - 4	0.5 - 2.5	-
			0.5 - 6
10			
M4			
1.5 - 1.8			
PA			
V2			

Type	Order No.	Pcs. / Pkt.
GE 10/2-B	**2701572**	25
GE 10/2-B BU	**2701573**	25
SZS 1,0X4,0	**1205066**	10
UC-TM 8 (see page 479)		
ZB 8 (see page 489)		

Device terminal blocks for direct mounting GE 35...

For drawings and dimensions, see page 453.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



GE 35/1 ...

Dimensions		Width	Length	Height	
	[mm]	**83.7**	**19.8**	**44.9**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		125	**630**	**0.75 - 35**	**18 - 2**
Rated data		IEC 60947-7-1/IEC 60998			
		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	630	-	-	-
Nominal current / cross-section	[A] / [mm²]	125 / 35	- / -	- / -	-
Rated cross-section	[mm²]	35	-	-	-
Cross-section range	AWG	18 - 2	-	-	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.75 - 35	0.75 - 35	0.75 - 35	0.75 - 35
Two conductors (of the same type)	[mm²]	0.75 - 10	0.75 - 10	0.75 - 10	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.75 - 6
General data					
Stripping length	[mm]	16			
Screw thread		M6			
Tightening torque	[Nm]	3.5 - 4			
Insulating material		PA			
Inflammability class acc. to UL 94		V2			

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Device terminal block, for direct mounting, 1-pos.	Gray	**GE 35/1**	**3071082**	25
	Blue	**GE 35/1 BU**	**3071095**	25
Device terminal block, for direct mounting, 2-pos.	Gray			
	Blue			
Device terminal block, for direct mounting, bridged, 2-pos.	Gray			
	Blue			

Accessories

UniCard sheet, for labeling the lateral groove	**UC-TM 12 (see page 481)**	
Zack marker strip, for labeling the lateral groove	**ZB 15 (see page 490)**	





GE 35/2 ...



GE 35/2-B ...

Width	Length	Height	
83.7	**34.8**	**44.9**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
125	**630**	**0.75 - 35**	**18 - 2**
IEC 60947-7-1/IEC 60998			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
630	-	-	-
125 / 35	- / -	- / -	-
35	-	-	-
18 - 2	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.75 - 35	0.75 - 35	0.75 - 35	0.75 - 35
0.75 - 10	0.75 - 10	0.75 - 10	- 0.75 - 6
16			
M6			
3.5 - 4			
PA			
V2			

Type	Order No.	Pcs. / Pkt.
GE 35/2	**3071065**	25
GE 35/2 BU	**3071078**	25
UC-TM 12 (see page 481)		
ZB 15 (see page 490)		

Width	Length	Height	
83.7	**34.8**	**44.9**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
125	**630**	**0.75 - 35**	**18 - 2**
IEC 60947-7-1/IEC 60998			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
630	-	-	-
125 / 35	- / -	- / -	-
35	-	-	-
18 - 2	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.75 - 35	0.75 - 35	0.75 - 35	0.75 - 35
0.75 - 10	0.75 - 10	0.75 - 10	- 0.75 - 6
16			
M6			
3.5 - 4			
PA			
V2			

Type	Order No.	Pcs. / Pkt.
GE 35/2-B	**2701569**	25
GE 35/2-B BU	**2701570**	25
UC-TM 12 (see page 481)		
ZB 15 (see page 490)		

Test sockets PSBJ ...

The PSBJ-GSK and PSBJ-URTK/S test sockets are tailor-made to suit the special applications in the field of power supply.

The PSBJ-GSK is used with the UGSK/S slide-type terminal blocks in conjunction with the slide from this terminal block series.



PSBJ ...

4 mm test socket



PSBJ ...

4 mm test socket

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Test socket, insulated, for the URTK/S terminal block, M3.5 thread							
	Transparent	**PSBJ 3,5/18/6 FARBLOS**	**0311391**	10			
	White	**PSBJ 3,5/18/6 WH**	**0311317**	10			
	Red	**PSBJ 3,5/18/6 RD**	**0311320**	10			
	Blue	**PSBJ 3,5/18/6 BU**	**0311333**	10			
	Yellow	**PSBJ 3,5/18/6 YE**	**0311346**	10			
	Green	**PSBJ 3,5/18/6 GN**	**0311359**	10			
	Violet	**PSBJ 3,5/18/6 VT**	**0311362**	10			
	Gray	**PSBJ 3,5/18/6 GY**	**0311375**	10			
	Black	**PSBJ 3,5/18/6 BK**	**0311388**	10			
Test socket, insulated, can be used only with FBI and ISSBI							
	Silver				**PSBJ 3/13/4**	**0201304**	10
Test socket, insulated, for UK 6 N, UK 10 N and URTK/SP terminal blocks, M4 thread							
	Transparent				**PSBJ 4/15/6 FARBLOS**	**0303419**	10
	White				**PSBJ 4/15/6 WH**	**0303312**	10
	Red				**PSBJ 4/15/6 RD**	**0303325**	10
	Blue				**PSBJ 4/15/6 BU**	**0303354**	10
	Yellow				**PSBJ 4/15/6 YE**	**0303367**	10
	Green				**PSBJ 4/15/6 GN**	**0303370**	10
	Violet				**PSBJ 4/15/6 VT**	**0303383**	10
	Gray				**PSBJ 4/15/6 GY**	**0303396**	10
	Black				**PSBJ 4/15/6 BK**	**0303406**	10
Test socket, fully isolated, for safety test plugs							
For the UK 5 N terminal block, thread M3	Gray						
For the UK 6 N terminal block, thread M4	Gray						
Can be used only with FBI 10-6, thread M3	Gray						
Can be used only with FBI 10-8, thread M4	Gray						
Test socket, insulated							
	Transparent						
	Blue						
	Yellow						
	Green						
	Violet						
	Black						
	Gray						
	Brown						
Test socket, fully insulated, touch-proof in accordance with BGV A 2, for 4 mm Ø safety measuring leads, for universal test disconnect terminal block URTK/S, M3.5 thread							
	Red						
	Blue						
	Yellow						
	Green						
	Violet						
	Black						



PSBJ ... GY

4 mm test socket



PSBJ-URTK 6...

4 mm test socket



PSBJ-URTK/S ...

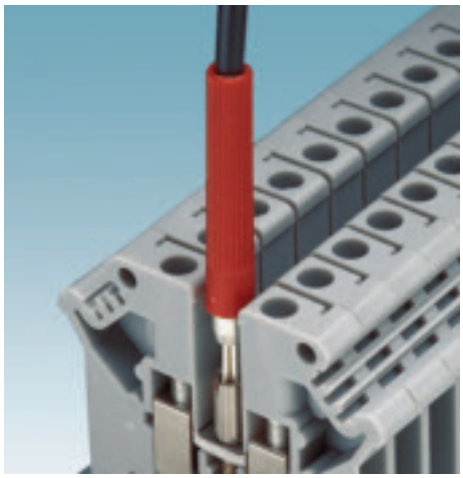
4 mm test socket

Type	Order No.	Pcs. / Pkt.
PSBJ 3/52/6 GY	3048085	10
PSBJ 4/41/8 GY	3206186	10
PSBJ 3/50/6 GY	3048098	10
PSBJ 4/51/8 GY	3206173	10

Type	Order No.	Pcs. / Pkt.
PSBJ-URTK 6 FARBLOS	3026450	10
PSBJ-URTK 6 RD	3026719	10
PSBJ-URTK 6 BU	3026434	10
PSBJ-URTK 6 YE	3026405	10
PSBJ-URTK 6 GN	3026418	10
PSBJ-URTK 6 VT	3026421	10
PSBJ-URTK 6 BK	3026447	10
PSBJ-URTK 6 GY	3026612	10
PSBJ-URTK 6 BN	3026971	10

Type	Order No.	Pcs. / Pkt.
PSBJ-URTK/S RD	0311744	10
PSBJ-URTK/S BU	0311757	10
PSBJ-URTK/S YE	0311731	10
PSBJ-URTK/S GN	0311760	10
PSBJ-URTK/S VT	0311773	10
PSBJ-URTK/S BK	0311728	10

Test sockets PSB ...





PSB ...

PSB... test sockets ensure a reliable test connection. In the case of PSB 3/10/4 and PSB 4/7/6, the connection is established with 2.3 mm Ø MPS miniature test plugs. In the case of PSB 6/5/6, the 4 mm Ø plug comes into its own. All test sockets are screwed into the bridge shaft.

The PSBJ... test socket is used instead of the normal bridge screw and guarantees voltage pick-off on a jumpered terminal group.

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Test socket				
For the UK 2,5 N, UK 3 N, UK 5 N terminal blocks, M3 thread	Silver	**PSB 3/10/4**	**0601292**	10
For the UK 6 N, UK 10 N, UK 16 N terminal blocks, M4 thread	Silver	**PSB 4/7/6**	**0303299**	10
For UK 35 terminal block, M6 thread	Silver	**PSB 6/5/6**	**0205290**	10

Modular test plug PS-...

Individual test plugs can be combined using the modular PS-...2,3MM test plug. The test plug makes reliable contact in the bridge shaft and in all 2.3 mm Ø or 4 mm Ø test sockets. The modular test plugs PS-UK... are simply set on the bridge shaft of the appropriate terminal block and snapped by pushing down the locking device.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



PS-... + MPS-...



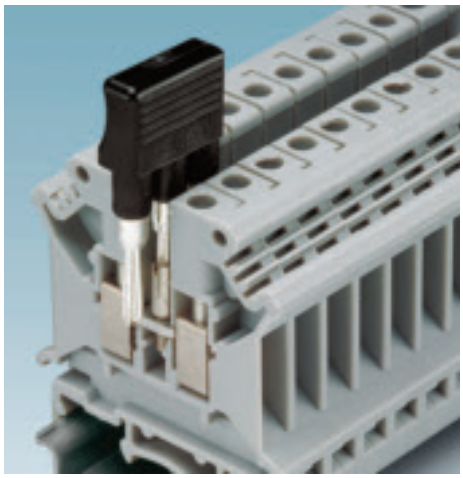
PS-UKK...

General data		
Insulating material	PA	PA
Inflammability class acc. to UL 94	V0	V2
Temperature range [°C]	-40 ... 100	-40 ... 115

Ordering data

Description	No. of pos.	Width	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Test plug, consisting of: **metal part** for 4 mm Ø socket hole and									
				PS-MT	**0311647**	10			
Insulating sleeve for PS metal part		6 mm	White	**PS-IH WH**	**0311566**	10			
		6 mm	Red	**PS-IH RD**	**0311579**	10			
		6 mm	Blue	**PS-IH BU**	**0311582**	10			
		6 mm	Yellow	**PS-IH YE**	**0311595**	10			
		6 mm	Green	**PS-IH GN**	**0311605**	10			
		6 mm	Violet	**PS-IH VT**	**0311618**	10			
		6 mm	Gray	**PS-IH GY**	**0311621**	10			
		6 mm	Black	**PS-IH BK**	**0311634**	10			
		6 mm	Black	**PS-IH BK**	**0311634**	10			
Test plug, consisting of: metal part for 2.3 mm Ø socket hole and									
		5 mm		**MPS-MT**	**0201744**	10			
Test plug, consisting of: **metal part** for 4 mm Ø socket hole and									
				MPS-MT/ 4MM	**3048577**	1			
Modular test plug housing, for MPS metal part, can be labeled with ZB 5		5.2 mm	Red	**PS-5/2,3MM RD**	**3038723**	10			
Modular test plug housing, for MPS metal part, can be labeled with ZB 6		6.2 mm	Red	**PS-6/2,3MM RD**	**3038736**	10			
Modular test plug housing, labeling with ZB 7.5		7.5 mm	Red	**PS-7,5/2,3MM RD**	**3038749**	10			
Modular test plug housing, labeling with ZB 8		8 mm	Red	**PS-8/2,3MM RD**	**3048564**	10			
Modular test plug, available as: 1-pos., can be aligned in any number, for terminal blocks UK 2.5 N, UK 3 N, UK 5 N, UK 3-TWIN, UK 5-TWIN		5 mm	Red				**PS-UK 2,5 B/E**	**3001132**	10
Modular test plug, available as: set of 10 with connection pin, can be snapped together as desired, for terminal blocks UK 2.5 N, UK 3 N, UK 3-TWIN		5 mm	Red				**PS-UK 2,5 B/Z-5**	**3001226**	1
Modular test plug, available as: set of 10 with connection pin, can be snapped together as desired, for terminal blocks UK 5 N, UK 5-TWIN Pitch 6.2 mm		5 mm	Red				**PS-UK 2,5 B/Z-6**	**3001239**	1
An individual double-level test plug, makes contact in the upper and lower level simultaneously, available as: 1-pos., for UKK 3, UKK 3-LOER, UKKB 3, UKK 5, UKK 5-DIO, UKKB 5, UTTB ...	1	7.6 mm	Red				**PS-UKK/E**	**3000641**	10
Modular double-level test plug, makes contact in the upper and lower level simultaneously, available as: 10-pos. blocks with two connection pins, for UKK 3, UKKB 3, UTTB 2,5	10	54.6 mm	Red				**PS-UKK 3**	**3000638**	1
Modular double-level test plug, makes contact in the upper and lower level simultaneously, available as: 10-pos. blocks with two connection pins, for UKK 5, UKK 5-DIO, UKKB 5, UTTB 4	10	64.6 mm	Red				**PS-UKK 5**	**3000625**	1

Short-circuit connector KSS ...





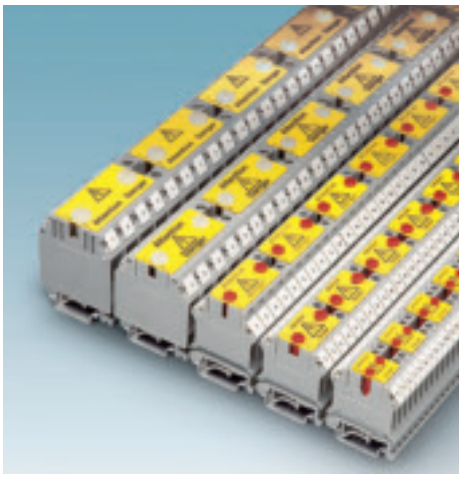
KSS ...

Short-circuit connectors KSS ... allow easy short-circuiting of two or more adjacent terminal blocks that are equipped with test sockets PSB ... or PSBJ ... .

Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.
Short-circuit connector, for short-circuiting neighboring terminal blocks, can only be used with PSB or PSBJ					
Pitch 5.2 mm	2	Black	**KSS 5**	**2303543**	10
Pitch 6.2 mm	2	Black	**KSS 6**	**0301547**	10
Pitch 8.2 mm	2	Black	**KSS 8**	**0311540**	10
Pitch 10.2 mm	2	Black	**KSS 10**	**0310541**	10
Short-circuit connector, for short-circuiting neighboring terminal blocks, can only be used with PSB or PSBJ, in a pitch of 6.2 mm					
	3	Black	**KSS 3- 6**	**0309523**	10
Short-circuit connector, for short-circuiting neighboring terminals, can only be used with PSB or PSBJ, with an 8.2 mm pitch					
	4	Black	**KSS 4- 8**	**0309549**	10

Warning labels WS ...



For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



WS ...

Warning labels help in covering and marking mains connection terminal blocks. They thus prevent accidental actuation of the terminal points. The WS ... labels can be fastened to the bridge shafts of the UK modular terminal blocks using plastic screws.

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Warning label, with 2 plastic screws, pitch 5 mm				
covers 3 t.b.s	Yellow	**WS 3- 5**	**0805357**	10
covers 4 t.b.s	Yellow	**WS 4- 5**	**0805344**	10
covers 5 t.b.s	Yellow	**WS 5- 5**	**0805331**	10
Warning label, with 2 plastic screws, pitch 6 mm				
covers 3 t.b.s	Yellow	**WS 3- 6**	**1004115**	10
covers 4 t.b.s	Yellow	**WS 4- 6**	**1004209**	10
covers 5 t.b.s	Yellow	**WS 5- 6**	**1004403**	10
Warning label, with 2 plastic screws, pitch 8 mm				
covers 3 t.b.s	Yellow	**WS 3- 8**	**1004128**	10
covers 4 t.b.s	Yellow	**WS 4- 8**	**1004212**	10
covers 5 t.b.s	Yellow	**WS 5- 8**	**1004416**	10
Warning label, with 2 plastic screws, pitch 10 mm				
covers 4 t.b.s	Yellow	**WS 4-10**	**1004225**	10
covers 5 t.b.s	Yellow	**WS 5-10**	**1004429**	10
Warning label, with 2 plastic screws, pitch 12 mm				
covers 4 t.b.s	Yellow	**WS 4-12**	**0805328**	10
covers 5 t.b.s	Yellow	**WS 5-12**	**0805315**	10
Warning label, with two plastic screws, pitch 15 mm				
covers 4 t.b.s	Orange	**WS 4-15**	**1004241**	10
covers 5 t.b.s	Orange	**WS 5-15**	**1004445**	10

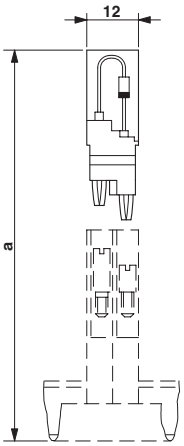
BES 6 component connector

Data of the components to be soldered in

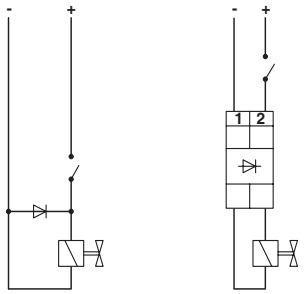
Length including connection wires	10 mm
Width or diameter	6 mm
Diameter of the connection wires	1.3 mm
Max. power dissipation at 25°C	1 W

Height dimension a with BES 6 inserted:

Type	Page	Dimension a	DIN rail
MBK 5	439	64	NS 15
MBK 5/E-Z	433	68	NS 15
UK 5 N	343	75	NS 35/7.5
UKK 5	357	92	NS 35/7.5
UKKB 5	357	92	NS 35/7.5
UVKB 4	404	76	NS 35/7.5



Structure of BES 6

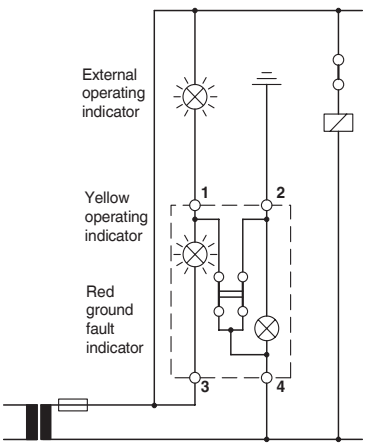


Free-wheeling diode with feed-through terminal blocks and BES 6

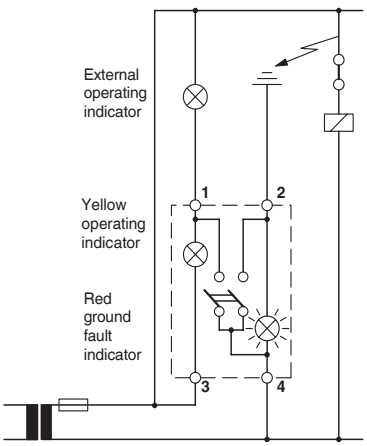
Table for selecting thermoelectric voltage terminal blocks

Thermocouple material	Equalizing conductor material	Thermoelectric voltage terminal block pair
Copper/constantan (Cu/CuNi44)	Copper/constantan (Cu/CuNi44)	MTKD-CU/CUNI
Iron/constantan (Fe/CuNi44)	Iron/constantan (Fe/CuNi44)	MTKD-FE/CUNI
Nickel-chrome/constantan (NiCr/CuNi44)	Nickel-chrome/constantan (NiCr/CuNi44)	MTKD-NICR/CUNI
Nickel-chrome/nickel (NiCr/Ni)	Nickel-chrome/nickel (NiCr/Ni)	MTKD-NICR/NI
Platinum-rhodium/platinum(PtRh/Pt)	Copper/copper-nickel (E-Cu/A-Cu)	MTKD-E-CU/A-CU
Platinum, 13% rhodium/platinum	Copper/copper-nickel (E-Cu/A-Cu)	MTKD-E-CU/A-CU
Platinum, 30% rhodium/platinum, 6% rhodium	S-copper/copper (S-Cu/E-Cu)	MTKD-S-CU/E-CU

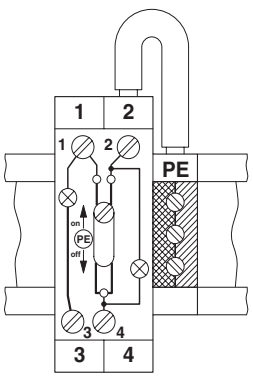
GTF 76 ground disconnect terminal block



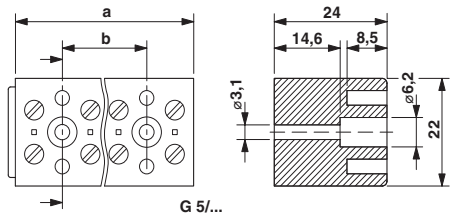
Grounded operating state



Ground fault

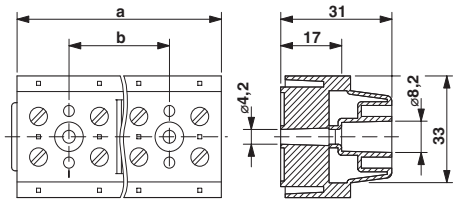


G 5, G 10, GE 10, GE 35 device terminal blocks



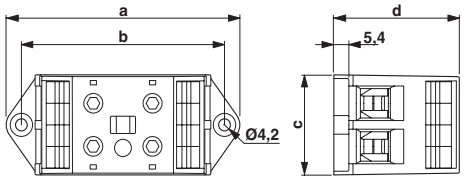
G 5/...

Type	Dimensions in [mm]	
	a	b
G 5/2	20	–
G 5/3	31	11
G 5/4	38	18
G 5/6	52	32
G 5/12	92	72.5
G 5/2 B	20	–



G 10/...

Type	Dimensions in [mm]	
	a	b
G 10/2	29	0
G 10/3	46	17
G 10/4	57	28
G 10/5	68	39

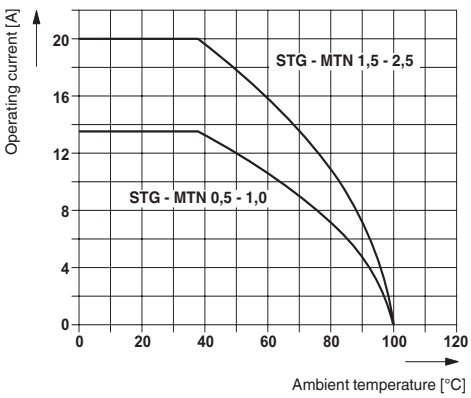


GE 10/...
GE 35/...

Type	Dimensions in [mm]			
	a	b	c	d
GE 10/2...	71.3	60.3	24.8	40
GE 35/1...	83.7	73	19.8	44.9
GE 35/2...	83.7	73	34.8	44.9

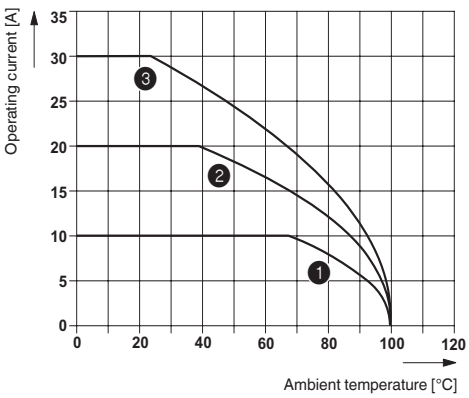
VKK 4-FS double-level terminal block

Operating current depending on ambient temperature (conductor cross-section 1 mm² or 2.5 mm²)



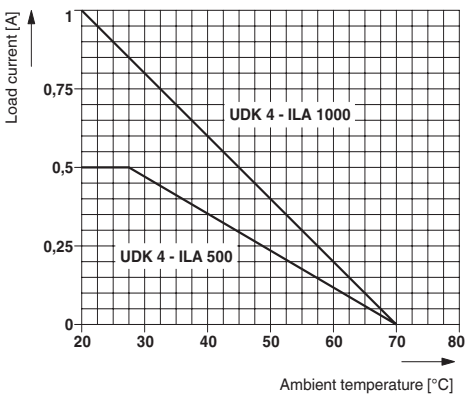
Derating curve UK 6-FSI/C and ST 4-FSI/C

Derating curve UK 6-FSI/C (single arrangement) + ST 4-FSI/C
❶ = Fuse insert 10 A
❷ = Fuse insert 20 A
❸ = Fuse insert 30 A



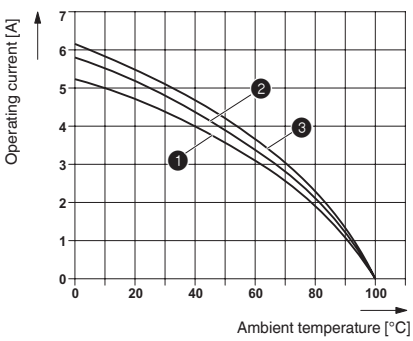
Load current diagram of the UDK 4-ILA current indicator terminal block

Terminal current depending on the ambient temperature
Operating time: 100%



Load diagram for RV 8 and RVS 10 as per IEC 60512-3/DIN IEC 60512-3

Operating current depending on ambient temperature and number of connections per pin if all pins are under load (conductor cross-section 0.5 mm²)



❶ Wire-Wrap® or 1 TERMI-POINT® connection
❷ Wire-Wrap® or 2 TERMI-POINT® connections
❸ Wire-Wrap® or 3 TERMI-POINT® connections
TERMI-POINT® = trademark of AMP Incorporated


CIRCUIT BREAKERS

Special terminal blocks

Circuit breakers and feed-through terminal blocks

The more varied the tasks in electrical engineering, the more varied the components for the solution have to be. The industrial connection technology from Phoenix Contact hence contains more than just modular terminal blocks.

Circuit breakers

For the optimum protection of your systems, Phoenix Contact offers high-quality circuit breakers in the following versions:

– Thermal circuit breakers TCP
  They are ideally suited as device protection for AC and DC loads, e.g. to protect motors, transformers and actuators against overloads
– Thermomagnetic circuit breakers TMC
  They combine the advantages of thermal and magnetic trigger mechanisms and are typically used in information and communication technology as well as in process control
– Electronic circuit breakers ECP
  They are designed specifically for selective protection of all load circuits that are fed by a 24 V DC power supply unit. They respond to overload or short-circuit faster than the power supply unit, and they selectively switch off the faulty load circuit before the power supply unit switches off all connected loads to protect itself

Feed-through terminal blocks

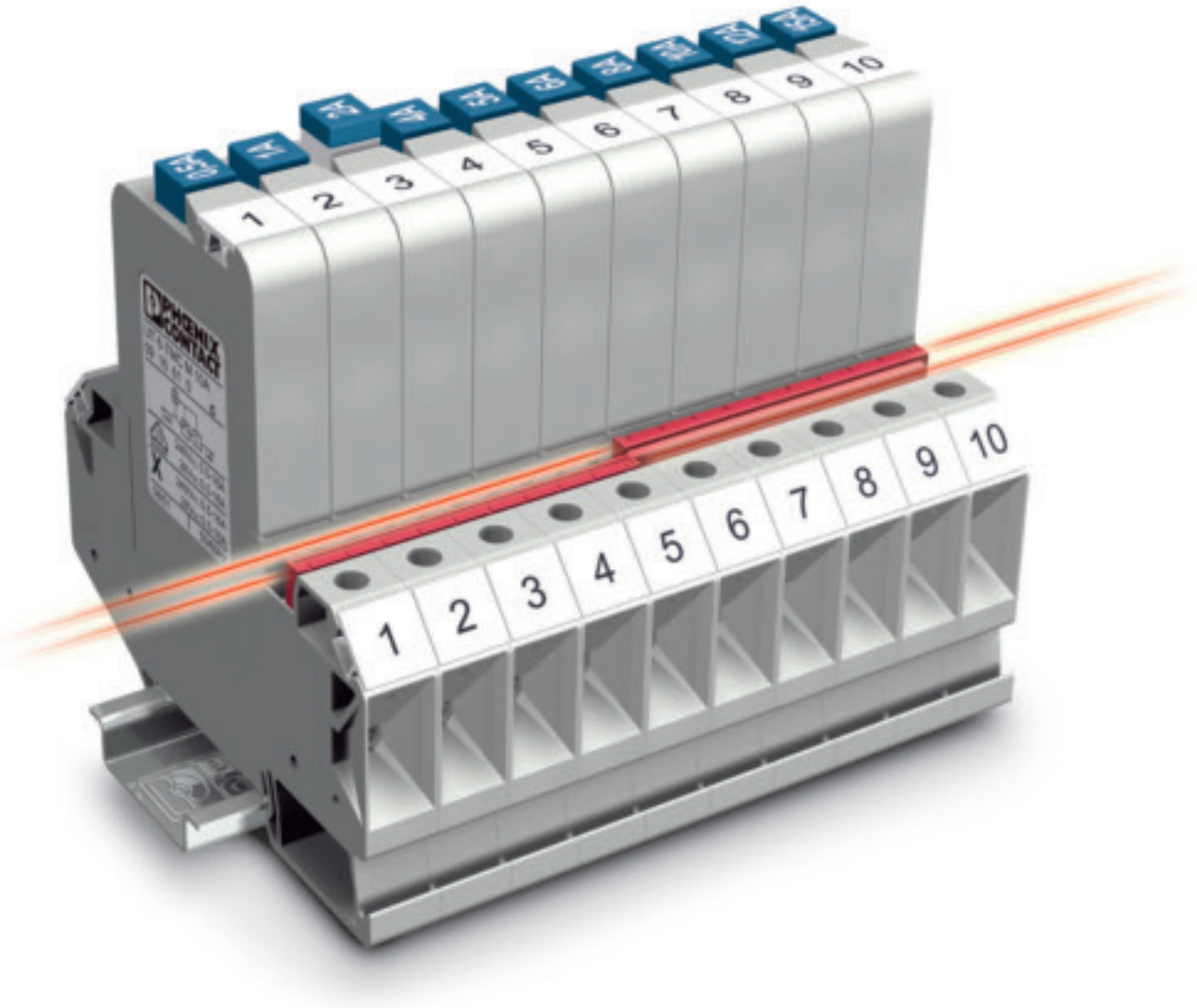
The feed-through terminal blocks from Phoenix Contact are always used when currents of different magnitudes have to be guided through a panel. They are available in three designs:

– For snapping into the housing panel
– For molding for fully-insulated transformers and filter modules and
– As feed-through terminal blocks for high currents

Detailed information on the feed-through terminal blocks can be found in the "COMBICON device connection technology" catalog or at www.phoenixcontact.net/eshop

Program overview

Circuit breakers	**456**
Thermal circuit breakers	**458**
Thermomagnetic circuit breakers	**460**
Electronic circuit breakers	**464**
Feed-through terminal blocks	**470**





Thermal circuit breakers

The TCP thermal circuit breakers protect inductive consumers against overloads in distribution systems in the control cabinet and plant engineering.



Thermomagnetic circuit breakers

TMC thermomagnetic circuit breakers provide protection against overloads and short-circuits in the field of information and communication technology, in process control as well as in devices and systems.



Electronic circuit breakers

The ECP and ECP-E electronic circuit breakers have been developed to provide distinct protection even in 24 V DC load circuits. They protect all loads that are fed by a switched-mode power supply unit.



The TCP .../DC 32V pluggable thermal miniature circuit breakers combine the protective mechanism of an auto flat-type fuse with the advantages of an automatic device. Potential distribution is carried out through the basic terminal blocks.



The TCP pluggable thermal circuit breakers with an integrated ON/OFF switching function are available in compact sizes between 0.25 and 10 A. Potential distribution is carried out through the basic terminal blocks.



The UT 6-TMC thermomagnetic circuit breakers are characterized by their compact design and large-surface labeling options. They are integrated into the CLIPLINE complete system using the plug-in bridge shaft.



The TMC thermomagnetic circuit breakers have signal contacts and are available with two different trigger characteristics and as 1-, 2- and 3-pos. versions from 0.2 A to 16 A.



The TMCP pluggable thermomagnetic circuit breaker has single and group signal contacts. The signal contacts and supply potentials are simply cabled using plug-in bridges.



The EC-E electronic circuit breakers offer an additional bridgeable terminal point for the load return conductor in addition to fault current limitation and bridgeable signal contacts for single, group or reset function.



The ECP-E electronic circuit breakers differ from the EC-E versions in their pluggable modularity as a result of the TMCP-SOCKET-M base.



The ECP circuit breakers are a combination of electronic and thermal circuit breakers; in the event of an error, they interrupt the load circuit electrically.

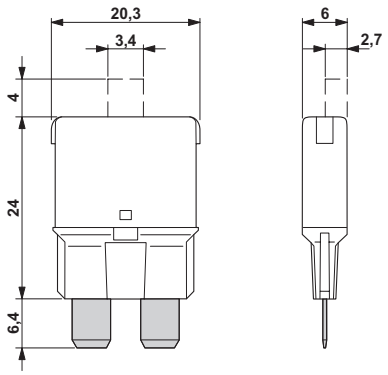


The TMCP, EC-E and ECP pluggable circuit breakers are characterized by their modular design.

Thanks to this modular structure, they can be customized according to the application and can always be expanded or replaced.

Thermal circuit breaker TCP ...







TCP ...DC32V

The pluggable thermal circuit breaker TCP .../DC32V combines the protective mechanism of an automobile flat-type fuse with the advantages of a circuit breaker.

The switching back on function of the TCP .../DC32V eliminates the time-intensive search for a suitable replacement fuse.

The TCP .../DC32V can be used to protect integrated circuits in all battery and on-board systems in the DC voltage range up to 32 V.

The thermal circuit breaker fits in all fuse holders designed for flat-type fuse inserts in acc. with ISO 8820-3 (DIN 72581-3).

The basic terminal block is available in a screw version (UK 6-FSI/C) and a spring-cage version (ST 4-FSI/C).

Attention: The reset button must not be obstructed. During installation, please leave enough room for using button.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) If the fuse is faulty, the downstream circuit is not off load.

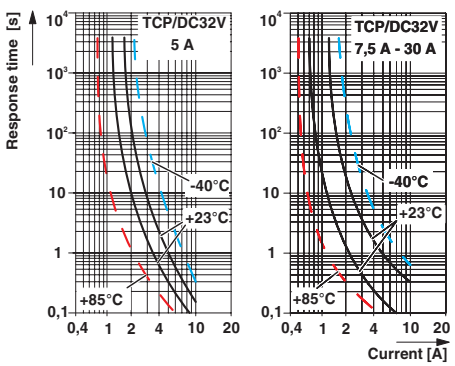
Dimensions				
	[mm]	Width	Length	Height
		6	**20**	**31.2**
Max. electrical data				
			$U_{max.}$ [V]	Max. Ø [mm²]	AWG
			32	**-**	**-**
Rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	32	-	-	-
Operating data					
Nominal voltage		32 V AC/DC			
Nominal current	[A]	Dependent on the article variant selected			
Disconnection					
Switch-off time		Refer to the time/current characteristic curve			
Typical behavior		Slow-blow			
Switching capacity I_{CN}					
TCP 5/DC32V- TCP 30/DC32V	[A]	150			
Life					
Cycles with approx. 50 A		300			
General data					
Height	[mm]	17			-
Weight	[g]	5			
Temperature range	[°C]	-30 ... 60			

Ordering data

Description	Nominal current	Color	Type	Order No.	Pcs. / Pkt.
One-pos., thermal circuit breaker, for fuse holders in acc. with ISO 8820-3	5 A	Light brown	**TCP 5/DC32V**	**0700005**	50
	7.5 A	Brown	**TCP 7,5/DC32V**	**0700007**	50
	10 A	Red	**TCP 10/DC32V**	**0700010**	50
	15 A	Blue	**TCP 15/DC32V**	**0700015**	50
	20 A	Yellow	**TCP 20/DC32V**	**0700020**	50
	25 A	White	**TCP 25/DC32V**	**0700025**	50
	30 A	Light Green	**TCP 30/DC32V**	**0700030**	50

Accessories

Fuse terminal block, with spring-cage connection, for mounting on NS 35...				
		Black	**ST 4-FSI/C**	**3036372**	50
With light indicator for 12 V DC, 1.7 mA		Black	**ST 4-FSI/C-LED 12**	**3036495**	50
With light indicator for 24 V DC, 1.9 mA		Black	**ST 4-FSI/C-LED 24**	**3036505**	50
Fuse terminal block, for mounting on NS 32... or NS 35...				
		Black	**UK 6-FSI/C**	**3118203**	50
With LED for 12 V DC		Black	**UK 6-FSI/C-LED12**	**3001925**	50
With light indicator for 24 V DC, 1.9 mA[1])		Black	**UK 6-FSI/C-LED24**	**3001938**	50



Thermal Circuit Breaker TCP



Note:
When mounted in rows, the nominal current of the devices can be transmitted only at 80% or must be correspondingly overdimensioned.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



TCP ...

The thermal miniature circuit breaker can be switched back on again, has a compact design, and is available in 9 fine nominal current gradations from 0.25 to 10 A.

The integrated switching function makes it possible to switch the circuit breaker back on immediately, thus guaranteeing the availability of the system.

Potential distribution can be conveniently implemented using bridges.

A complete **data sheet is available for the relevant item at www.phoenixcontact.net/eshop** for downloading.

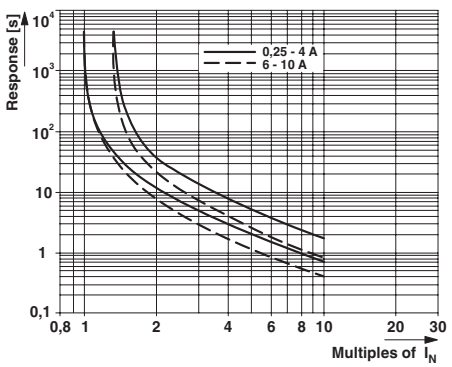
Dimensions		Width	Length	Height	
	[mm]	**8.2**	**24.5**	**55**	
Max. electrical data			$U_{max.}$ [V]	Max. Ø [mm²]	AWG
			250	**-**	**-**
Rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	250	-	-	-
Rated voltage DC	[V]	65	-	-	-
Operating data					
Nominal voltage		250 V AC			
Nominal current	[A]	Dependent on the article variant selected			
Disconnection					
Switch-off time		Refer to the time/current characteristic curve			
Typical behavior		Slow-blow			
Switching capacity I_{CN}					
TCP 0.25 A - TCP 4 A		6 x I_N			
TCP 6 A - TCP 10 A		8 x I_N			
Life					
Cycles with 1 x I_N		3000			
Cycles with 2 x I_N		500			
General data					
Weight	[g]	15			
Temperature range	[°C]	-20 ... 60			
Insulating material		PA			
Inflammability class acc. to UL 94		V0			

Ordering data

Description	Nominal current	Color	Type	Order No.	Pcs. / Pkt.
Thermal miniature circuit breaker, can be plugged into UK 6 FSI/C or ST 4-FSI/C fuse terminal block	0.25 A	Black	**TCP 0,25A**	**0712123**	20
	0.5 A	Black	**TCP 0,5A**	**0712152**	20
	1 A	Black	**TCP 1A**	**0712194**	20
	2 A	Black	**TCP 2A**	**0712217**	20
	3 A	Black	**TCP 3A**	**0712233**	20
	4 A	Black	**TCP 4A**	**0712259**	20
	6 A	Black	**TCP 6A**	**0712275**	20
	8 A	Black	**TCP 8A**	**0712291**	20
	10 A	Black	**TCP 10A**	**0712314**	20

Accessories

Fuse terminal block, for mounting on NS 32... or NS 35...		Black	**UK 6-FSI/C**	**3118203**	50
Fuse terminal block, with spring-cage connection, for mounting on NS 35...		Black	**ST 4-FSI/C**	**3036372**	50
Zack marker strip, flat, for labeling in the outer marker grooves, White			**ZB 5 (see page 487)**		



Thermomagnetic circuit breaker UT 6-TMC ...



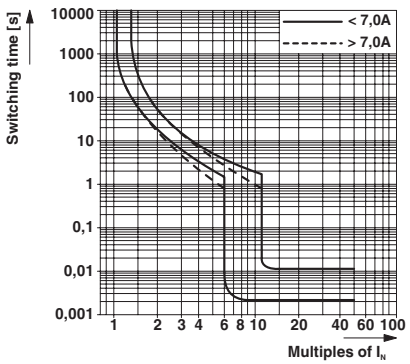


For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

The UT 6-TMC thermomagnetic circuit breakers are impressive due to their compact design, large-surface labeling options and the double plug-in bridge shafts. They are integrated into the CLIPLINE complete system via the plug-in bridge shaft.

Thanks to their restartability and clear status display, the device protection switches ensure high system availability. Eleven nominal current levels from 0.5 A to 16 A are available.

The large-surface center labeling enables a clear allocation of the relevant circuit breaker.



Trigger characteristic

A complete **data sheet is available for the relevant item at www.phoenixcontact.net/eshop** for downloading.

Dimensions		
		[mm]
Max. electrical data		
Rated data		
Rated voltage		[V]
Nominal current / cross-section		[A] / [mm²]
Rated cross-section		[mm²]
Cross-section range		AWG
Connection capacity		
One conductor		[mm²]
Two conductors (of the same type)		[mm²]
Two stranded conductors with a TWIN ferrule		[mm²]
Operating data		
Nominal voltage		
Nominal voltage		
Nominal current		[A]
Switch-off time		
Switching capacity I_{CN}		
UT 6-TMC ... 0.5 A - UT 6-TMC ... 5 A		[A]
UT 6-TMC ... 6 A - UT 6-TMC ... 16 A		[A]
Life		
Cycles with 1 x I_N		
General data		
Weight		[g]
Temperature range		[°C]
Insulating material		
Inflammability class acc. to UL 94		

Ordering data

Description	Nominal current	Color
Thermomagnetic circuit breaker, for mounting on NS 35...	0.5 A	Gray
	1 A	Gray
	2 A	Gray
	4 A	Gray
	5 A	Gray
	6 A	Gray
	8 A	Gray
	10 A	Gray
	12 A	Gray
	15 A	Gray
	16 A	Gray

Accessories

Plug-in bridge for cross connections in the bridge shaft		
	2	Red
	3	Red
	4	Red
	5	Red
	10	Red
	20	Red
Warning sign for UT series		Yellow
Screwdriver		
UniCard sheet, for labeling the lateral groove		
Zack marker strip, for labeling the lateral groove		



UT 6-TMC M ...

Width	Length	Height NS 35/7,5	
12.3	**86**	**88.5**	
	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
	240	**0.2 - 10**	**24 - 8**

IEC	UL / CUL	CSA	IEC/ EN 60079-7
240	-	-	-
0.5 / 6	- / -	- / -	- / -
6	-	-	-
24 - 8	-	-	-

Solid	Stranded	Ferrule without / with plastic sleeve	
0.2 - 10	0.2 - 10	0.25 - 6	0.25 - 6
0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	- 0.5 - 4

240 V AC
28 V DC
Dependent on the article variant selected
Refer to the time/current characteristic curve

200 AC / 400 DC
200 AC / 400 DC

5000

50
-5 ... 60
PA
V0

Type	I_{max}	Order No.	Pcs. / Pkt.
UT 6-TMC M 0,5A		**0916603**	6
UT 6-TMC M 1A		**0916604**	6
UT 6-TMC M 2A		**0916605**	6
UT 6-TMC M 4A		**0916606**	6
UT 6-TMC M 5A		**0916607**	6
UT 6-TMC M 6A		**0916608**	6
UT 6-TMC M 8A		**0916609**	6
UT 6-TMC M 10A		**0916610**	6
UT 6-TMC M 12A		**0916611**	6
UT 6-TMC M 15A		**0916612**	6
UT 6-TMC M 16A		**0916613**	6

FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 10-6	32 A	**3030271**	10
FBS 20-6	32 A	**3030365**	10
WS UT 6		**3047345**	10
SZS 1,0X4,0		**1205066**	10
UC-TM 12 (see page 481)			
ZB 12 (see page 490)			

Thermomagnetic Circuit Protector TMC

The TMC circuit breaker is available for different nominal current values, with a fast or normal blow characteristic curve and a one, two or three-pos. main current path. All types of the pluggable device circuit breaker TMCP have integrated signal contacts as well.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) Please observe the type key on the right side.

[2]) DC

[3]) Main contact

[4]) Auxiliary contact



TMC ...



TMCP ...

		TMC ...				TMCP ...			
Dimensions		Width	Length	Height NS 35/7,5		Width	Length	Height NS 35/7,5	
	[mm]	**12.5**	**83.5**	**96**		**12.5**	**50**		
Dimensions		Width	Length	Height NS 32		Width	Length	Height NS 32	
	[mm]	**12.5**	**83.5**	**100.5**		**12.5**	**50**		
Dimensions		Width	Length	Height		Width	Length	Height	
	[mm]	**12.5**	**83.5**	**-**		**12.5**	**50**	**96**	
Max. electrical data			$U_{max.}$ [V]	Max. Ø [mm²]	AWG		$U_{max.}$ [V]	Max. Ø [mm²]	AWG
			250	**0.2 - 6[3])**	**24 - 10**		**250**	**-**	**-**
Rated data									
Rated voltage	[V]	250	-	-	-	250	-	-	-
Rated voltage DC	[V]	65[2])	-	-	-	65[2])	-	-	-
Nominal current / cross-section	[A] / [mm²]	0.2 / -	- / -	- / -	- / -	0.2 / -	- / -	- / -	- / -
Rated cross-section	[mm²]		-	-	-		-	-	-
Cross-section range	AWG	24 - 10	-	-	-	-	-	-	-
Connection capacity		Solid	Stranded	Ferrule		Solid	Stranded	Ferrule	
				without / with plastic sleeve				without / with plastic sleeve	
One conductor	[mm²]	0.2 - 6[3])	0.2 - 4	0.25 - 4	0.25 - 2.5	-	-	-	-
Two conductors (of the same type)	[mm²]	0.2 - 0.75	0.2 - 0.75	0.25 - 1	-	-	-	-	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 2.5				
				without / with plastic sleeve				without / with plastic sleeve	
One conductor	[mm²]	0.2 - 2.5[4])	0.2 - 1.5	0.25 - 2.5	0.25 - 1.5	-	-	-	-
Two conductors (of the same type)	[mm²]	0.2 - 0.75	0.2 - 0.75	0.25 - 0.5	-	-	-	-	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 0.75				
Operating data									
Nominal voltage		250 V AC				250 V AC			
Nominal current	[A]	Dependent on the article variant selected				Dependent on the article variant selected			
Disconnection									
Switch-off time		Refer to the time/current characteristic curve				Refer to the time/current characteristic curve			
Typical behavior		Fast or normal blow				Fast or normal blow			
Switching capacity I_{CN}									
TMC ... 0.2 A - TMC ... 5 A	[A]	400				400			
TMC ... 6 A - TMC ... 16 A	[A]	800				800			
Life									
Cycles with 1 x I_N		10000				10000			
General data									
Temperature range	[°C]	-30 ... 60				-30 ... 60			
Insulating material		PA-F				PA-F			
Inflammability class acc. to UL 94		V0				V0			

Ordering data

Description	Nominal current	Color	Type	Order No.	Pcs. / Pkt.	Type	I_{max}	Order No.	Pcs. / Pkt.
Thermomagnetic circuit breaker, with universal foot for mounting on NS 32... or NS 35...[1])	0.2 A	Black	**TMC 1 F1 100 0,2A**	**0914015**	6				
Thermomagnetic circuit breaker, pluggable, one, two or three-position[1])	0.2 A	Black				**TMCP 1 F1 300 0,2A**		**0915506**	6
Spring lock, for mechanical locking in the case of overhead mounting, 1-pos.						**SPRING-LOCK**		**0713009**	10

Accessories

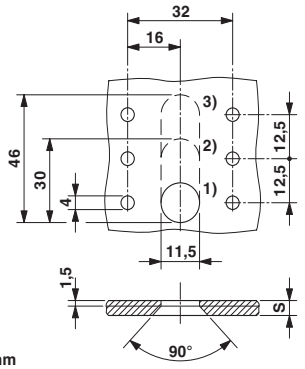
Modular socket, 2-position, for holding two circuit breakers, each with a single position		Black				**TMCP SOCKET M**		**0916589**	10
Socket termination elements, can be plugged in both left and right, contain the connections for the reset inputs/group query		Black				**TMCP CONNECT LR**		**0916592**	3
Signal bridge, pluggable, for bridging group signaling when there is a free slot on the TMCP-SOCKET-M socket		Red				**TMCP SB**	1 A	**0916602**	6
Fixed bridge, pluggable, 500 mm long, can be cut to length, for distribution of the input potential in the socket		Silver				**FBST 500 TMCP**	50 A	**0916615**	20

Multiplication factor for higher ambient temperatures for TCP..., UT 6-TMC..., TMC... and TMCP...

Note:
A mutual thermal effect occurs in the case of an assembly in rows with concurrent load. This is equivalent to an increase in the ambient temperature. It depends on the nominal current, the ambient temperature, the number of devices and the distance between the devices. The nominal current of the devices can either be over-dimensioned (see multiplication factor for temperature response) or can only be led to > 80%. Please ask for the maximum permissible current for the assembly in rows that you plan.

Ambient temperature °C	Multiplication factor
- 30	0.76
- 20	0.79
- 10	0.83
0	0.93
+ 10	0.93
+ 23	1.00
+ 30	1.04
+ 40	1.11
+ 50	1.19
+ 60	1.29

Drilling diagram for the TMCP front plate mounting



S > 1,5 mm

1) 1-pos.

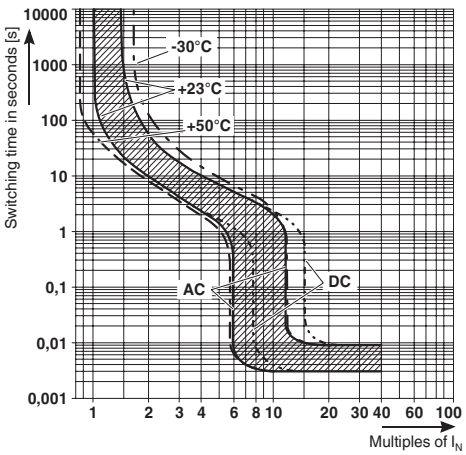
2) 2-pos.

3) 3-pos.

TMC and TMCP trigger characteristics

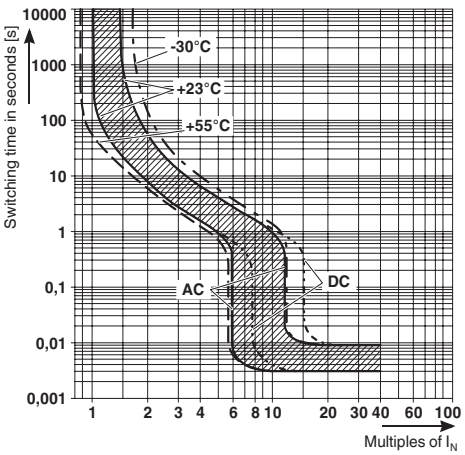
Normal blow (M1): nominal value 0.2-6 A

Lower trigger limit: 1.05 I_N
Upper trigger limit: 1.4 I_N



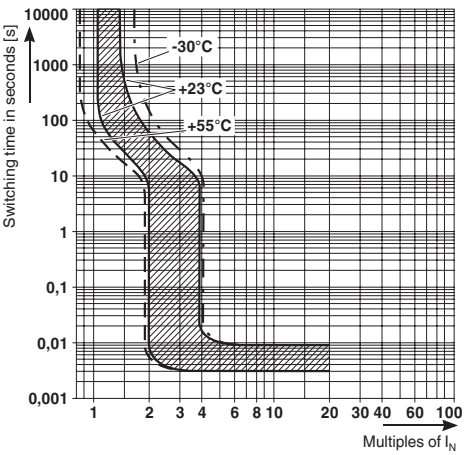
Normal blow (M1): nominal value 8-16 A

Lower trigger limit: 1.05 I_N
Upper trigger limit: 1.4 I_N



Fast blow (F1): nominal value 0.2-16 A
only for DC applications

Lower trigger limit: 1.05 I_N
Upper trigger limit: 1.4 I_N



TMC and TMCP type keys

The type key is used to identify the exact structure of the item.

Type	Main current paths	Characteristic curve	Auxiliary contact versions	Nominal current
TMC or **TMCP**	**1** ≙ single-pos. **2** ≙ two-pos. **3** ≙ three-pos.	**F1** ≙ therm. 1.05-1.4 I_N, magn. 2-4 I_N DC (fast blow), **only for DC applications** **M1** ≙ therm. 1.05-1.4 I_N, magn. 6-12 I_N AC, 7.8-15.6 I_N DC (normal blow)	**100** ≙ single-pos.: 1 N/O contact, **200** ≙ single-pos.: 1 N/C contact **120** ≙ two-pos.: 1 N/O contact, 1 N/C contact **122** ≙ three-pos.: 1 N/O contact, 2 N/C contacts **300**[4] ≙ 1 N/O and 1 N/C contact per position	0.2 A 2.5 A 0.3 A 3 A 0.4 A 4 A 0.5 A 5 A 0.6 A 6 A 0.8 A 8 A 1 A 10 A 1.5 A 12 A 2 A 16 A

Ordering example:

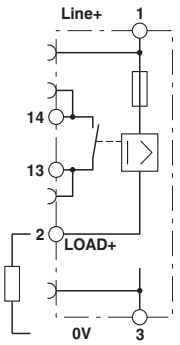
A TMC with single-pos. main current path, one N/O contact, normal blow characteristic curve and a nominal current of 2 A.

TMC	1	M1	100	2 A

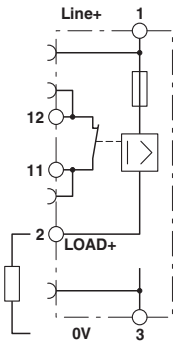
4) The only version for TMCP, not possible for TMC.

EC-E1 and EC-E4 electronic circuit breakers





EC-E 1 ...



EC-E 4 ...



EC-E1 ...

The EC-E... electronic circuit breaker selectively protects all DC 24 V load circuits on power supply units. A combination of active electronic current limitation for short-circuit and an overload shutdown from 1.1 x I_N onwards ensures that the circuit breaker can react to overloads faster than the power supply unit. In this case, the fault current is constantly restricted to 1.3 to 1.8 times the nominal current.

A complete **data sheet is available for the relevant item at www.phoenixcontact.net/eshop** for downloading.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

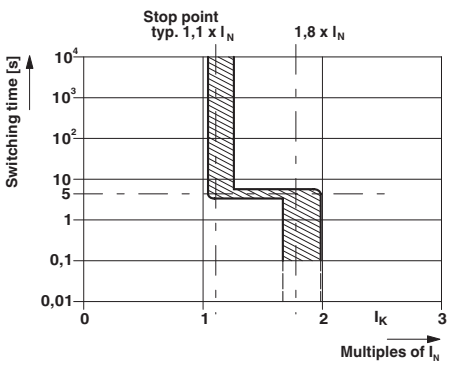
Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**12.5**	**80**	**83**	
Max. electrical data			$U_{max.}$ [V]	Max. Ø [mm²]	AWG
			24	**0.5 - 16**	**20 - 6**
Rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	24	-	-	-
Nominal current / cross-section	[A] / [mm²]	1 / 16	- / -	- / -	- / -
Rated cross-section	[mm²]	16	-	-	-
Cross-section range	AWG	20 - 6	-	-	-
Connection capacity		Solid	Stranded	Ferrule	
One conductor	[mm²]	0.5 - 16	0.5 - 16	0.5 - 10	0.5 - 10
Two conductors (of the same type)	[mm²]	0.5 - 4	0.5 - 4	0.5 - 2.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 6
Operating data					
Nominal voltage		24 V			
Nominal current	[A]	Dependent on the article variant selected			
Disconnection					
Switch-off time		Refer to the time/current characteristic curve			
Typical behavior		3 s If 1.1 x I_N 0.1 s If > 1.8 x I_N			
Switching capacity I_{CN}					
EC-E1 1A - EC-E1 12A		Active current limitation			
Life					
Cycles with 1 x I_N		10000			
General data					
Temperature range	[°C]	0 ... 50			
Insulating material		PA-F			
Inflammability class acc. to UL 94		V0			

Ordering data

Description	Nominal current	Color	Type	Order No.	Pcs. / Pkt.
Electronic circuit breaker, signal contact: 1 N/O contact	1 A	Black	**EC-E1 1A**	**0903023**	6
	2 A	Black	**EC-E1 2A**	**0903024**	6
	3 A	Black	**EC-E1 3A**	**0903025**	6
	4 A	Black	**EC-E1 4A**	**0903026**	6
	6 A	Black	**EC-E1 6A**	**0903028**	6
	8 A	Black	**EC-E1 8A**	**0903029**	6
	10 A	Black	**EC-E1 10A**	**0903030**	6
	12 A	Black	**EC-E1 12A**	**0903031**	6
Electronic circuit breaker, signal contact: 1 N/C contact	1 A	Black	**EC-E4 1A**	**0903032**	6
	2 A	Black	**EC-E4 2A**	**0903033**	6
	3 A	Black	**EC-E4 3A**	**0903034**	6
	4 A	Black	**EC-E4 4A**	**0903035**	6
	6 A	Black	**EC-E4 6A**	**0903036**	6
	8 A	Black	**EC-E4 8A**	**0903037**	6
	10 A	Black	**EC-E4 10A**	**0903038**	6
	12 A	Black	**EC-E4 12A**	**0903039**	6

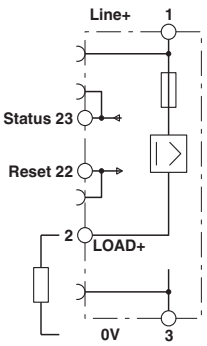
Accessories

Cont. plug-in bridge, 500 mm long, isolated, can be cut to length, for potential distribution	Blue	**FBST 500-PLC BU**	**2966692**	20
	Red	**FBST 500-PLC RD**	**2966786**	20
	Gray	**FBST 500 TMC-N GY**	**0901028**	10
Screwdriver		**SZS 0,6X3,5**	**1205053**	10
Zack marker strip, flat, 10-section		**ZBF 12 (see page 494)**		



EC-E electronic circuit breakers





EC-E ...



EC-E ...

The EC-E electronic circuit breaker selectively protects all DC 24 V load circuits on the power supply units. A combination of active electronic current limiting in the case of a short-circuit and an overload shutdown from 1.1 x I_N ensures that the circuit breaker can react to overloads faster than the power supply unit.In this case, the fault current is always restricted to 1.3 to 1.8 times the nominal current.

A complete **data sheet is available for the relevant item at www.phoenixcontact.net/eshop** for downloading.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

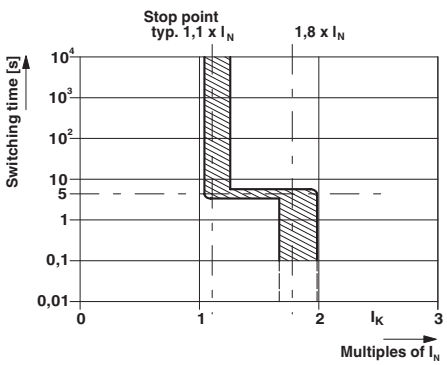
Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**12.5**	**80**	**83**	
Max. electrical data			$U_{max.}$ [V]	Max. Ø [mm²]	AWG
			24	**0.5 - 16**	**26 - 6**
Rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	24	-	-	-
Nominal current / cross-section	[A] / [mm²]	0.5 / 16	- / -	- / -	- / -
Rated cross-section	[mm²]	16	-	-	-
Cross-section range	AWG	26 - 6	-	-	-
Connection capacity		Solid	Stranded	Ferrule	
One conductor	[mm²]	0.5 - 16	0.5 - 16	0.5 - 10	0.5 - 10
Two conductors (of the same type)	[mm²]	0.5 - 4	0.5 - 4	0.5 - 2.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 6
Operating data					
Nominal voltage		24 V			
Nominal current	[A]	Dependent on the article variant selected			
Disconnection					
Switch-off time		Refer to the time/current characteristic curve			
Typical behavior		5 s If 1.1 x I_N 0.1 s If > 1.8 x I_N			
Switching capacity I_{CN}					
EC-E 0,5A DC24V - EC-E 12A DC24V		Active current limitation			
Life					
Cycles with 1 x I_N		10000			
General data					
Temperature range	[°C]	0 ... 50			
Insulating material		PA-F			
Inflammability class acc. to UL 94		V0			

Ordering data

Description	Nominal current	Color	Type	Order No.	Pcs. / Pkt.
Electronic circuit breaker, with reset input	0.5 A	Black	**EC-E 0,5A DC24V**	**0903041**	6
	1 A	Black	**EC-E 1A DC24V**	**0903042**	6
	2 A	Black	**EC-E 2A DC24V**	**0903043**	6
	3 A	Black	**EC-E 3A DC24V**	**0903044**	6
	4 A	Black	**EC-E 4A DC24V**	**0903045**	6
	6 A	Black	**EC-E 6A DC24V**	**0903046**	6
	8 A	Black	**EC-E 8A DC24V**	**0903047**	6
	10 A	Black	**EC-E 10A DC24V**	**0903048**	6
	12 A	Black	**EC-E 12A DC24V**	**0903049**	6

Accessories

Cont. plug-in bridge, 500 mm long, isolated, can be cut to length, for potential distribution				
	Blue	**FBST 500-PLC BU**	**2966692**	20
	Red	**FBST 500-PLC RD**	**2966786**	20
	Gray	**FBST 500 TMC-N GY**	**0901028**	10
Screwdriver		**SZS 0,6X3,5**	**1205053**	10
Zack marker strip, flat, 10-section		**ZBF 12 (see page 494)**		



Electronic circuit breaker ECP-E with reset input and status output

The area of application for the electronic circuit breaker ECP-E extends to all aspects connected with the power supply unit. In the event of an overload, power supply units reduce their output voltage and all the connected loads are no longer supplied with sufficient power, e.g. in the case of short-circuit at the load.

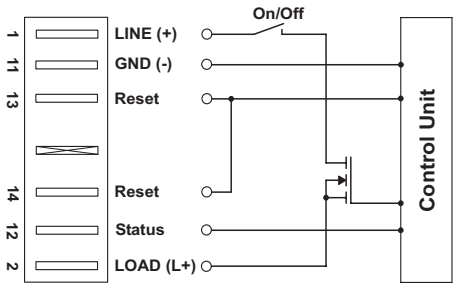
This is remedied here by the electronic circuit breaker ECP-E that protects all DC 24 volt load circuits selectively. The ECP-E constantly limits the fault current at 1.8 times the protected nominal current. Capacitive loads can thus be switched on and loads are only switched off in the case of an overload or short-circuit.

After detecting overload or short-circuit in the load circuit, the load output of the ECP-E is locked. The current flow is interrupted in the faulty current circuit. The ECP-E and subsequently the current circuit can be activated again through the electronic reset input (13;14) or manually at the device through the slide-type switch.

A multi-color LED as well as the integrated status output (12) display the operating and error status. Due to its plugging capacity and narrow width of 12.5 mm, the ECP-E offers time and space saving mounting on the TMCP SOCKET M.

More versions of the auxiliary contacts and a complete **data sheet are provided for the relevant item at www.phoenixcontact.net/eshop** for downloading.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.





ECP-E ...

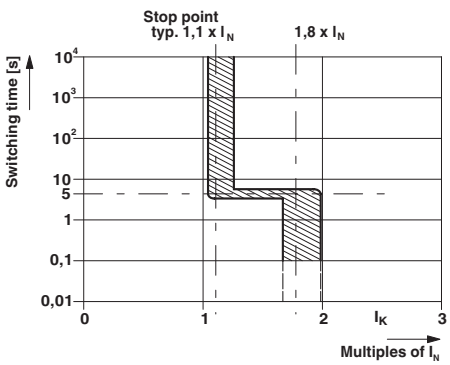
Dimensions		Width	Length	Height	
	[mm]	12.5	60	70	
Max. electrical data			$U_{max.}$ [V]	Max. Ø [mm²]	AWG
			24	-	-
Rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	24	-	-	-
Nominal current / cross-section	[A] / [mm²]	1 / -	- / -	- / -	- / -
Operating data					
Nominal voltage		24 V			
Nominal current	[A]	Dependent on the article variant selected			
Auxiliary contacts	[A]	-			
Disconnection					
Switch-off time		Refer to the time/current characteristic curve			
Typical behavior		5 s If 1.1 x I_N 0.1 s If > 1.8 x I_N			
Auxiliary contacts					
Pin 11		Gnd (-)			
Pin 12		Individual signaling			
Pin 13/14		Group query			
Switching capacity I_{CN}					
ECP-E 1A - ECP-E 12A		Active current limiting 180%			
Life					
Cycles with 1 x I_N		10000			
General data					
Weight	[g]	50			
Temperature range	[°C]	0 ... 50			
Insulating material		PA-F			
Inflammability class acc. to UL 94		V0			

Ordering data

Description	Nominal current	Color	Type	Order No.	Pcs. / Pkt.
Electronic circuit breaker, standard variant with status output and reset input, can be plugged into TMCP socket, signaling through three-color LED	1 A	Black	**ECP-E 1A**	**0900113**	5
	2 A	Black	**ECP-E 2A**	**0900210**	5
	3 A	Black	**ECP-E 3A**	**0900317**	5
	4 A	Black	**ECP-E 4A**	**0900414**	5
	6 A	Black	**ECP-E 6A**	**0900618**	5
	8 A	Black	**ECP-E 8A**	**0900812**	5
	10 A	Black	**ECP-E 10A**	**0901002**	5
	12 A	Black	**ECP-E-12A**	**0900126**	5

Accessories

Modular socket, 2-position, for holding two circuit breakers, each with a single position	Black	**TMCP SOCKET M**	**0916589**	10
Socket termination elements, can be plugged in both left and right, contain the connections for the reset inputs/group query	Black	**TMCP CONNECT LR**	**0916592**	3
Zack marker strip, 10-section		**ZB 6 (see page 487)**		



Selective circuit breaker ECP

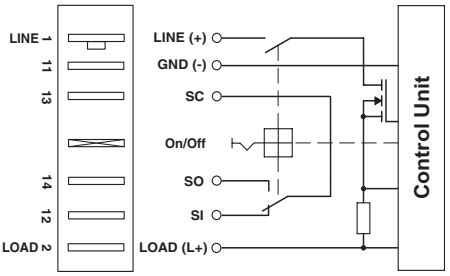
The electronic circuit breaker ECP 3-6 with a width of only 12.5 mm selectively protects all 24 V DC load circuits. With a combination of active electronic current limitation and proven circuit breaker technology including electrical isolation. The ECP 3-6 can be plugged onto the proven TMCP-SOCKET-M base, which also guarantees fast and easy mounting and a reduction in the logistics costs.

The area of application for the ECP 3-6 extends to all aspects connected with the power supply unit. Because in the case of an overload, power supply units reduce the output voltage. As a consequence, the connected loads would no longer be sufficiently supplied. This means that if a fault occurs in one consumer of a system, the voltage will break down in all load circuits.

The ECP 3-6 solves this problem by always limiting the maximum possible current to 1.8 times the value of the set nominal current. Capacitive loads can thus be switched on, loads, however, are only switched off in the case of an overload or short-circuit.

An LED and integrated signal contacts indicate the operating and error states.

A complete **data sheet is available for the relevant item at www.phoenixcontact.net/eshop** for downloading.





ECP ...

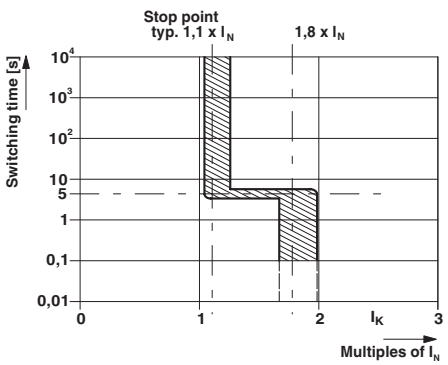
Dimensions				
	[mm]	Width	Length	Height
		12.5	**60**	**70**
Max. electrical data				
			$U_{max.}$ [V]	Max. Ø [mm²]	AWG
			24	**-**	**-**
Rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	24	-	-	-
Nominal current / cross-section	[A] / [mm²]	2 / -	- / -	- / -	- / -
Operating data					
Nominal voltage		24 V DC			
Nominal current	[A]	Dependent on the article variant selected			
Auxiliary contacts	[A]	-			
Disconnection					
Switch-off time		Refer to the time/current characteristic curve			
Typical behavior		5 s If 1.1 x I_N 0.1 s If > 1.8 x I_N			
Auxiliary contacts					
Pin 11		Gnd (-)			
Pin 12		Individual signaling			
Pin 13/14		Group query			
Switching capacity I_{CN}					
ECP 1-2 - ECP 10		Active current limitation			
Life					
Cycles with 1 x I_N		10000			
General data					
Weight	[g]	65			
Temperature range	[°C]	0 ... 50			
Insulating material		PA-F			
Inflammability class acc. to UL 94		V0			

Ordering data

Description	Nominal current	Color	Type	Order No.	Pcs. / Pkt.
Selective circuit breaker, can be plugged into TMCP base, signaling using two-color LED, floating signal contact, on/off push button	2 A	Black	**ECP 1-2**	**0912018**	5
	6 A	Black	**ECP 3-6**	**0916536**	5
	4 A	Black	**ECP 4**	**0912034**	5
	8 A	Black	**ECP 8**	**0912019**	5
	10 A	Black	**ECP 10**	**0912020**	5

Accessories

Modular socket, 2-position, for holding two circuit breakers, each with a single position		Black	**TMCP SOCKET M**	**0916589**	10
Socket termination elements, can be plugged in both left and right, contain the connections for the reset inputs/group query		Black	**TMCP CONNECT LR**	**0916592**	3
Spring lock, for mechanical locking in the case of overhead mounting, 1-pos.			**ECP-LOCK**	**0912021**	10
Zack marker strip, 10-section, for labeling in the terminal center			**ZB 6 (see page 487)**		



Base for ECP and TMCP



For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



TMCP ...

The TMCP SOCKET M socket is used for rail-mounting of pluggable TMCP and ECP circuit breakers. This can lead to a flexible design with any desired number of positions. A free combination of both types of circuit breakers on one module also enables individual protection.

The TMCP CONNECT LR termination elements are plugged in on both ends of the construction of the modules. The supply can be signaled using connections 11 and 12. The signal can be requested separately for each circuit breaker. Using connections 13 and 14 in the termination elements, a signal loop can be set up over all circuit breakers quickly and without the need for additional wiring. All electrical connections of the main contacts and signal contacts are located in the base.

The spring-cage connection and the bridge shaft for potential distribution facilitate wiring. Generous labeling options facilitate the allocation of circuit breakers to the modules.

Dimensions	Width	Length	Height NS 35/7,5
[mm]	**25**	**115**	**110.5**

General data	
Insulating material	PA-F
Inflammability class acc. to UL 94	V0

Ordering data

Description	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Modular socket, 2-position, for holding two circuit breakers, each with a single position	Black	**TMCP SOCKET M**		**0916589**	10

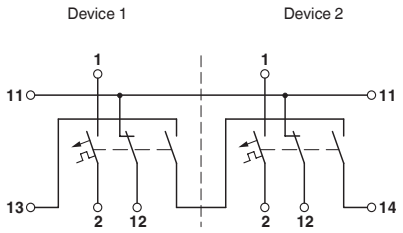
Accessories

Socket termination elements, can be plugged in both left and right, contain the connections for the reset inputs/group query	Black	**TMCP CONNECT LR**		**0916592**	3
Signal bridge, pluggable, for bridging group signaling when there is a free slot on the TMCP-SOCKET-M socket	Red	**TMCP SB**	1 A	**0916602**	6
Fixed bridge, pluggable, 500 mm long, can be cut to length, for distribution of the input potential in the socket	Silver	**FBST 500 TMCP**	50 A	**0916615**	20
Cont. plug-in bridge, 500 mm long, isolated, can be cut to length, for potential distribution	Blue	**FBST 500-PLC BU**	32 A	**2966692**	20
Cont. plug-in bridge, 500 mm long, isolated, can be cut to length, for potential distribution	Red	**FBST 500-PLC RD**	32 A	**2966786**	20
Zack marker strip, 10-section		**ZB 6 (see page 487)**			

Backup fuse

A back-up fuse together with a circuit breaker must always be used if there is a risk of the maximum switching capacity being exceeded in the event of a fault. The adjacent table specifies the maximum switching current, the respective internal resistance and the resulting backup fuse.

TMCP circuit diagram



Display and definitions in the switched-off, zero-current state.

TMCP and TMC nominal currents, internal resistances and backup fuses

Nominal current	Maximum backup fuse	Internal resistance [Ω]		Switching capacity as per EN 60934
		F1 (fast blow) for DC	M1 (normal blow) for DC/AC	
[A]	[A]			[A]
0.2	Any	39.3	26.1	400
0.3	Any	17.5	11.6	400
0.4	Any	9.2	6.6	400
0.5	Any	6.8	4.1	400
0.6	Any	4.2	3	400
0.8	Any	2.8	1.65	400
1	Any	1.6	1.10	400
1.5	25	0.78	0.47	400
2	25	0.42	0.28	400
2.5	25	0.26	0.183	400
3	25	0.18	0.124	400
4	25	0.12	0.077	400
5	25	0.092	0.063	400
6	50	0.054	0.045	800
8	50	0.025	≤ 0.02	800
10	50	0.022	≤ 0.02	800
12	50	≤ 0.02	≤ 0.02	800
16	50	≤ 0.02	≤ 0.02	800



General

Frequency converters, inverters, power supply units and filter modules are only some of the applications that have a modular design and small compact housings. Despite having different fields of application and use, they all have one thing in common: currents of different magnitudes have to be led through the housing panel. A conductor connection that can be released, is touch proof and easy to install is nowadays considered the most satisfactory connection method for wiring these system components.

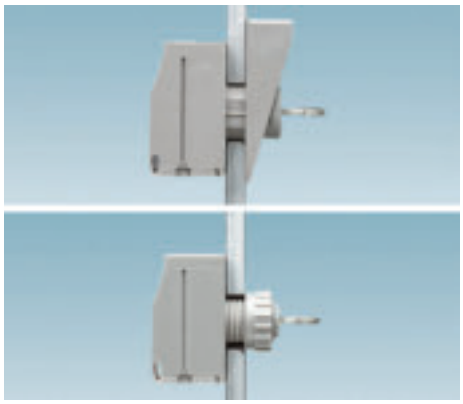
The various feed-through terminal blocks satisfy these requirements. Three different designs are available:

– The DFK terminal blocks which are snapped into sheet metal cutouts
– The VDFK molded feed-through terminal blocks, which are made specially for fully insulated transformers and coils
– The HDFK high-current feed-through terminal blocks, whose clamping parts are safely interlocked in the housing

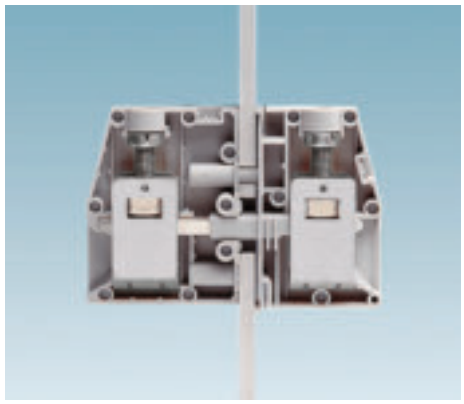
All feed-through terminal blocks have a touch-proof insulating housing which can be labeled with various marking materials.



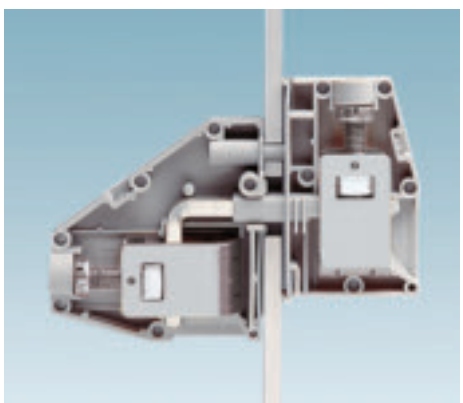
Feed-through terminal blocks DFK
- Housing panel thickness: 1.5 - 2.5 mm
- Rated voltage: 400 - 690 V
- Nominal current: 6.3 - 17.5 A
- Cross-section range: 0.2 - 6 mm²



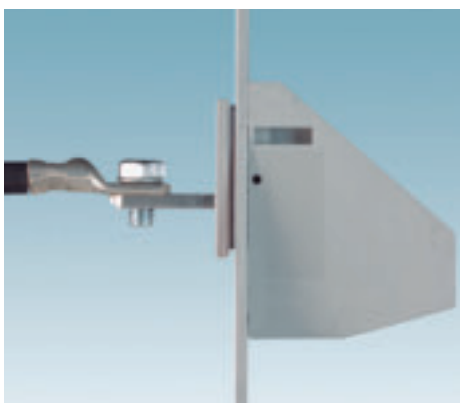
VDFK molded feed-through terminal blocks
- Housing panel thickness: 1.0 - 8.0 mm
- Rated voltage: 500 V
- Nominal current: 32 - 57 A
- Cross-section range: 0.2 - 10 mm²



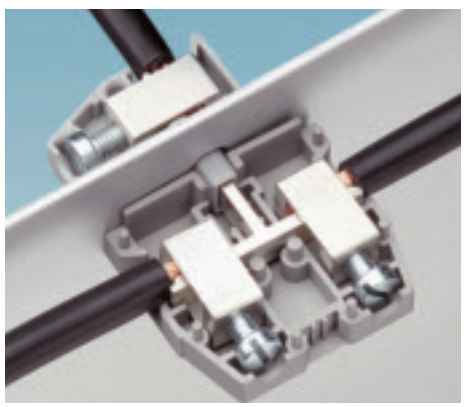
HDFK high-current feed-through terminal blocks
- Housing panel thickness: 1.0 - 6.0 mm
- Rated voltage: 250 - 1000 V
- Nominal current: 41 - 232 A
- Cross-section range: 0.2 - 95 mm²



HDFKV high-current feed-through terminal blocks
- Housing panel thickness: 1.0 - 6.0 mm
- Rated voltage: 250 - 1000 V
- Nominal current: 41 - 232 A
- Cross-section range: 0.2 - 95 mm²



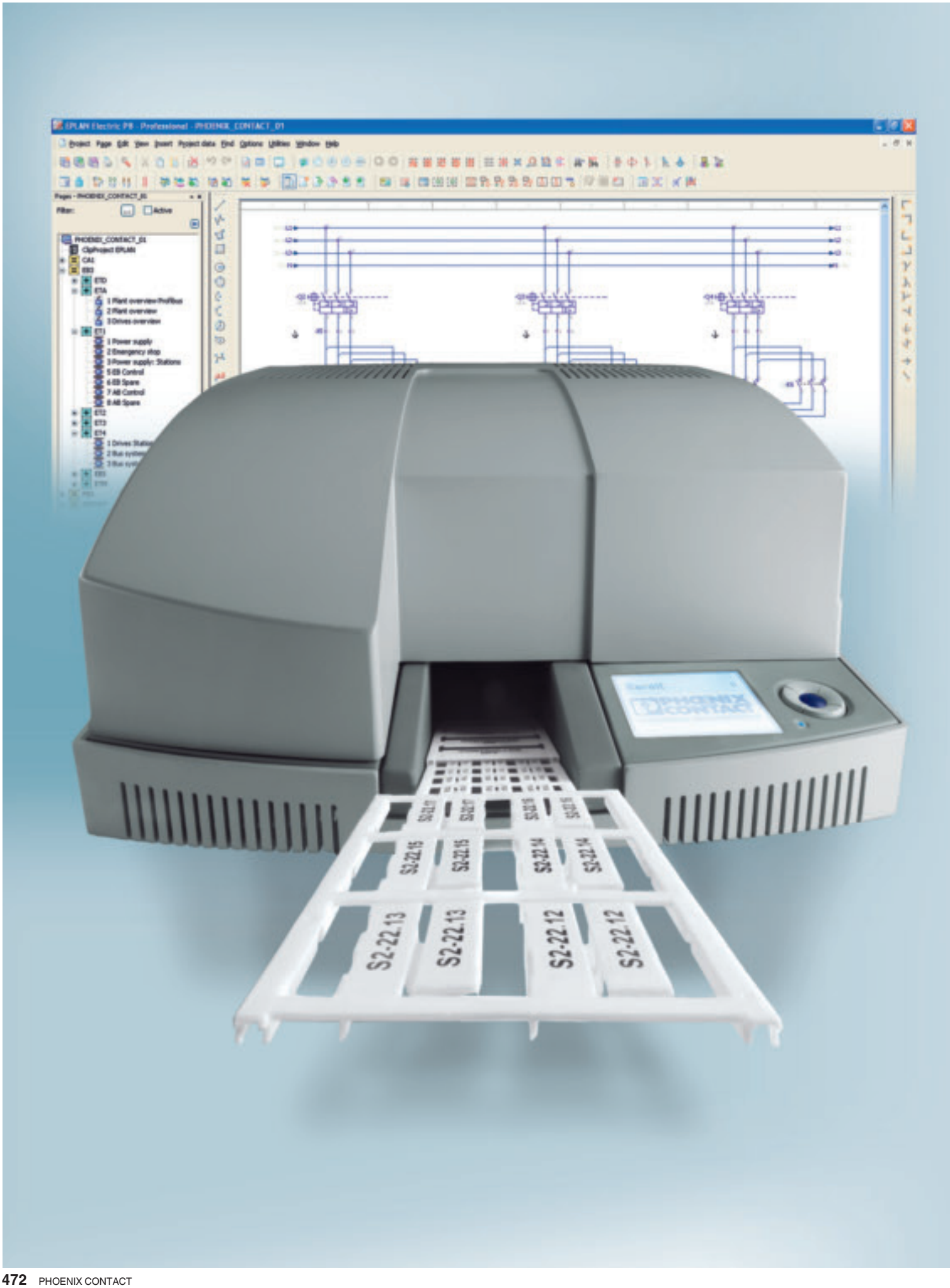
HDFK and HDFKV molded high-current feed-through terminal blocks
- Housing panel thickness: 1.0 - 6.0 mm
- Rated voltage: 250 - 1000 V
- Nominal current: 63 - 232 A
- Cross-section range: 0.5 - 95 mm²



HDFK...-TWIN high-current feed-through terminal blocks
- Housing panel thickness: 1.0 - 6.0 mm
- Rated voltage: 250 - 500 V
- Nominal current: 70 - 125 A
- Cross-section range: 0.5 - 35 mm²

Detailed information on the feed-through terminal blocks can be found in the "COMBICON device connection technology" catalog or at

www.phoenixcontact.net/eshop


S2-22.13
S2-22.13
S2-22.12
S2-22.12

The marking system
MARKING system

The MARKING system from Phoenix Contact is the universal solution for quick and easy labeling of your applications. Just a click of the mouse and the project planning software CLIP PROJECT sends the labeling to the printer. Irrespective of whether you choose the new BLUEMARK LED, one of the thermal transfer printers or the plotter, a wide range of marking materials for terminal block, conductor and device labeling is available for each printing system. Terminal block and device labeling for other manufacturers complete the range.

All forms of marking, such as the labeling of terminal blocks, conductors and devices can thus be done in and around the control cabinet using any printer.

Program overview

Marking material for marking the terminal blocks **476**

Marker sheets for BLUEMARK printers **478**
Zack marker strips and flat zack marker strips **486**
Material off the roll for thermal transfer printers **496**
Cards with self-adhesive marker strips **500**
Marker sheets for other terminal block manufacturers **512**

Marking material to mark conductors and cables **532**

Marker sheets for BLUEMARK printers **534**
Labeling collars and insert labels for BLUEMARK, thermal transfer printers and laser printers **546**
Material off the roll for thermal transfer printers **550**
Shrink sleeves for thermal transfer printers **554**
Labeling collars with single-character labeling **556**
High-grade steel cable markers **565**
Markers with molded cable binders **566**
Conductor and cable markers **568**

Marking material for device labeling **572**

Marker sheets for BLUEMARK printers and CARRIER marker carriers **574**
Labels and self-adhesive plastic labels for thermal transfer printers **590**
Self-adhesive plastic labels for plotters or engraving machines **595**
Plastic labels with a screw-on cover **597**
Labels for laser printers **598**
Fabrics labels for plotter marking **599**
Plastic labels with a stick-on cover **600**

Printers **602**

BLUEMARK LED UV printers **604**
THERMOMARK S1 thermal transfer printers **606**
THERMOMARK X1 thermal transfer printers **607**
THERMOMARK W2 thermal transfer printers **608**
CMS-P1-PLOTTER, plotter with engraving device **609**
Marker pens **612**

Software **616**

CLIP PROJECT **618**

MARKING system



MARKING system - The easy way of labeling



Software

Software

CLIP PROJECT is the central software for creating and printing terminal strips. Information about terminal points, cables, conductors and marking is stored in the electro-CAD system and used for designing terminal strips and for the corresponding printing.

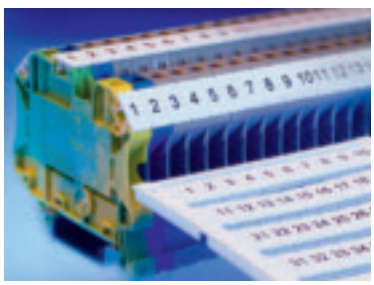
CLIP PROJECT is open for data exchange with various electro-CAD systems and reliably addresses all output devices from Phoenix Contact itself.



Hardware

Hardware

Just a click of the mouse and the project planning software CLIP PROJECT sends the labeling to the printer. Irrespective of whether you choose the new environmentally friendly high-speed BLUEMARK printer, one of the thermal transfer printers or the plotter, a wide range of marking material is available for each printing system.



Terminal marking

TM terminal marking

The terminal markers are available in strips or sheets, printed or unprinted. Depending on the version, unlabeled terminal markers can be labeled using different printing systems from Phoenix Contact.

Markers on UniCard sheets can be labeled quickly and safely using the new BLUEMARK printer; material off the roll has been specially developed for labeling with thermal transfer printers, e.g. from Phoenix Contact's THERMOMARK series; zack marker strips are primarily labeled using the plotter or directly by hand.



Wire marking

WM wire marking

Clear marking of all conductors and cables considerably improves the transparency in control cabinets and switchgear. This makes assembly and maintenance work easier and helps in rectifying faults. Standard-compliant and permanent conductor marking is not a luxury, but rather a quality standard for modern, high-quality capital goods that is demanded by customers.

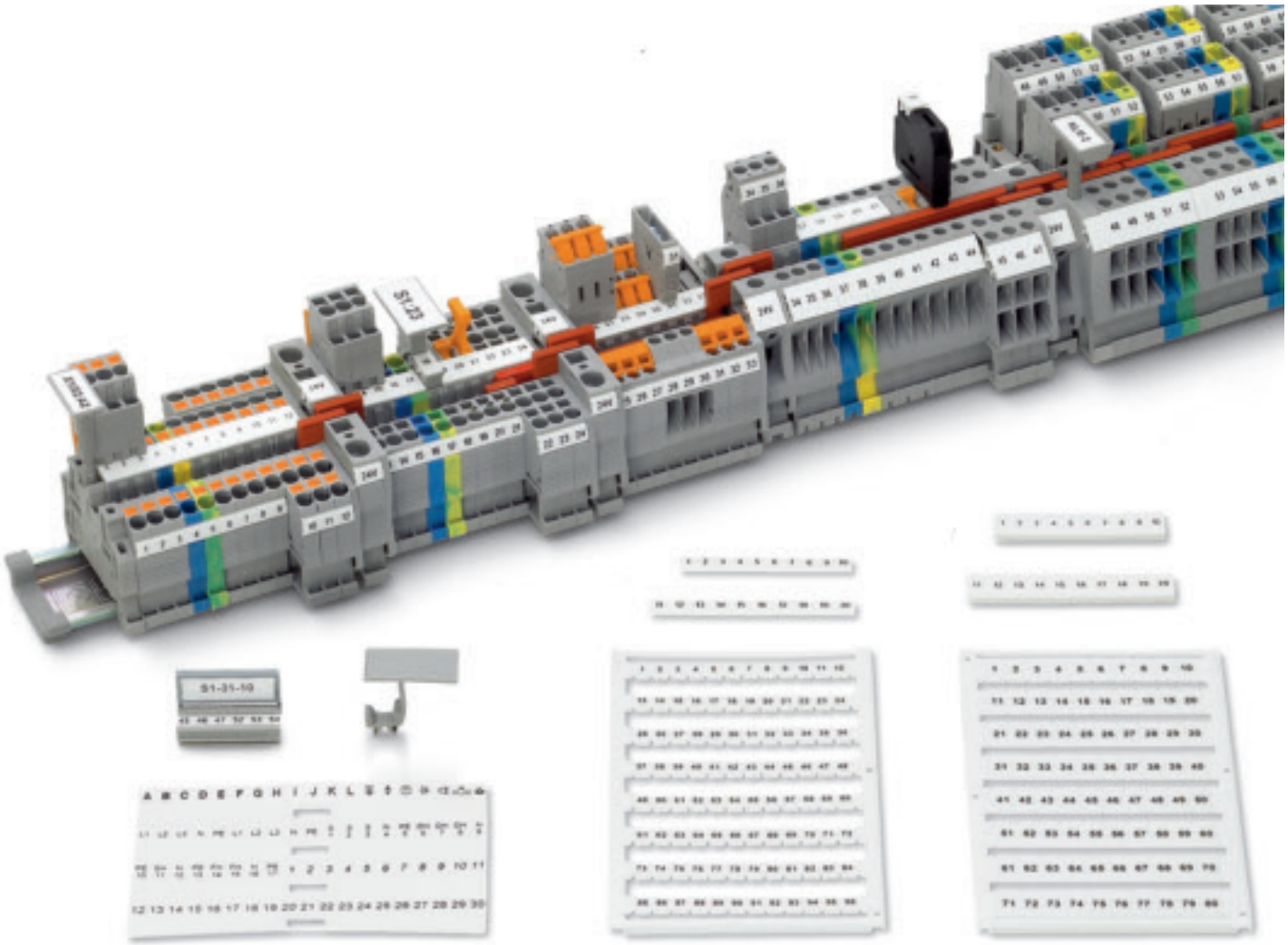
Conductor and cable marking systems from Phoenix Contact offer every user an optimum marking option irrespective of whether the user wants to thread, slide, clip or glue on the conductor marking or mount it using cable binders.



Device marking

EM equipment marking

Explicit labeling of electrical and electronic control cabinet components is the prerequisite for safe, effective work. Just like comprehensive technical documentation, labeling all items increases the availability of the switchgear and simplifies maintenance. Last but not least, equipment identification improves the quality of the control cabinets and switchgear.



The informative labeling of electrical connecting elements and control cabinet components is a requirement that must be met in control cabinet and plant engineering. In the same way as comprehensive documentation, the precise labeling of all terminal points facilitates the set-up and maintenance of systems. The conformance of the system labeling and thus its identification with the documentation is prescribed in EN 60204-1/VDE 0113 part 1.

Different marking materials are available for the labeling of Phoenix Contact terminal blocks.

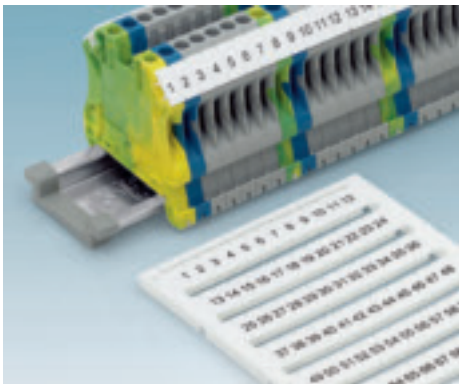
The labeling strips can be easily removed by hand, and their special geometry ensures that the labeling remains in place even in the event of impact and vibration in machines and vehicles.

The terminal markers are available in strips or sheets, in printed or unprinted form as desired. Depending on the version, unlabeled terminal markers can be labeled using different printing systems from Phoenix Contact or conventional printers:

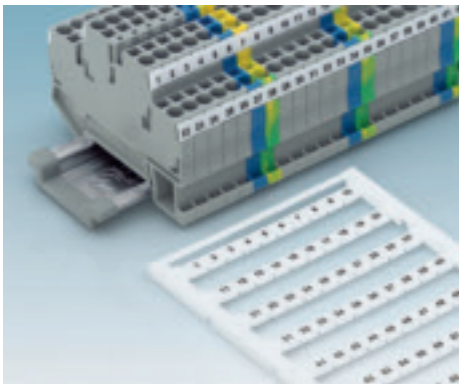
– Markers on UniCard sheets can be labeled quickly and safely with the new BLUEMARK LED printer
– Material off the roll has been specially developed for labeling with thermal transfer printers, e.g. from Phoenix Contact's THERMOMARK series
– Zack marker strips are mainly labeled using the plotter or directly by hand

All marking systems are characterized by their high resolution and excellent wipe-resistance.

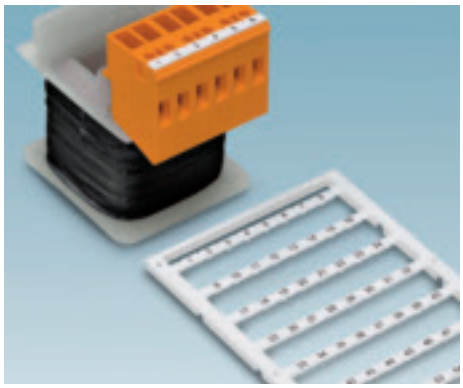
In addition to labeling for the actual terminal points, various marking labels are available for labeling terminal block groups. These are snapped onto the marking grooves of terminal blocks. Group marking that can be fixed to the end brackets can be found in the "Mounting material" chapter starting on page 690.



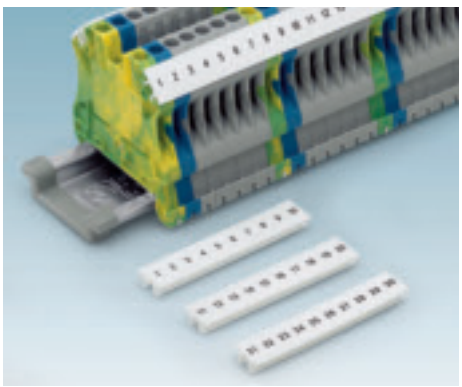
UniCard sheets are available in all common pitches for the individual labeling of modular terminal blocks with a zack marker strip groove. The UniCard sheets can be labeled using the BLUEMARK LED or the plotter.



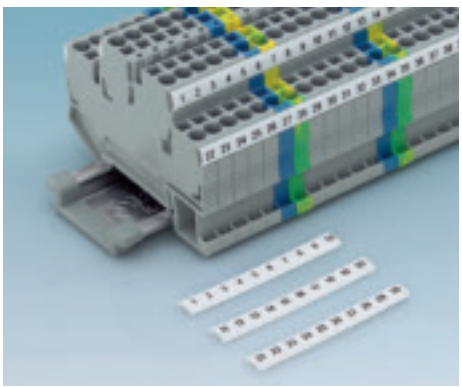
Apart from the UniCard sheets, flat zack marker sheets are also available in this format. Like all UniCard sheets, these are also designed for labeling using the BLUEMARK LED or the plotter.



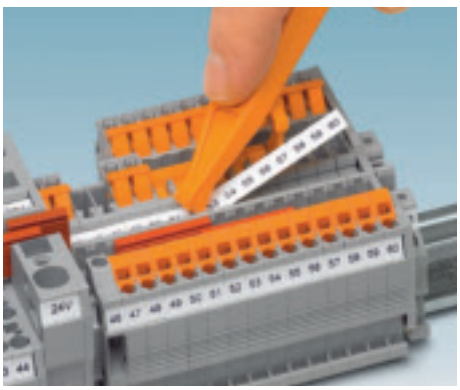
The UC-TMN... terminal markers make it possible to mark Phoenix Contact terminal blocks that do not have a flat or a zack marker strip groove, e.g. mini terminal blocks or transformer terminal blocks.



The 10-section zack marker strips are available in all pitches for effective and optically flawless marking of modular terminal blocks. They are available in printed or unprinted form for labeling with the plotter system.



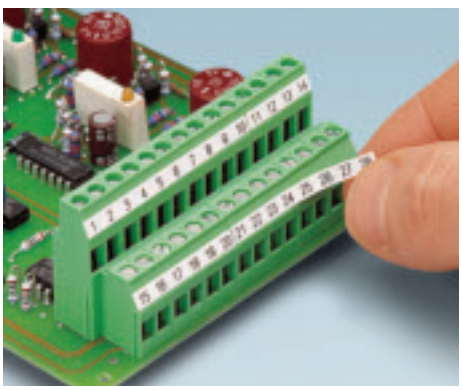
The narrow ZBF flat zack marker strip can be used for the additional side marking of spring-cage or fast connection terminal blocks as well as for the marking of modules and connectors. Just like the zack marker strip, it is available in all pitches in printed or unprinted form.



The TMT terminal markers that can be labeled using thermal transfer printers can be used in all ZB and ZBF marking grooves. They can be easily removed by hand since they are pre-perforated for the pitch.



The transparent TML marker strip is designed for fast, individual marking of zack marker strips as well as flat zack marker strips when a plotter is not available. Just like a label, TML is printed using the thermal transfer printer and glued onto the zack marker strip.



The self-adhesive SK marker strips can be used on all PCB terminal blocks and COMBICON connectors. They are available pre-printed on cards or unprinted on a roll.



UniCard sheets are available in all common pitches and colors for the individual labeling of modular terminal blocks of other manufacturers. They can be labeled using the BLUEMARK LED or the plotter.

Terminal marking with UniCard



The UniCard-Terminal Marker UC-TM terminal markers make it possible to mark all terminal blocks from Phoenix Contact that have a zack marker strip groove. Being able to separate entire labeling strips saves time during assembly. Besides, UniCard sheets provide adequate space for functional texts.

The UniCard labeling range provides markers for all applications in a uniform sheet format. They can be labeled easily with the BLUEMARK LED printer, since their special form automatically guarantees perfect printing.

[1]) For ordering example, see page 601.

Can be printed with:



BLUEMARK



CMS-P1-PLOTTER



UC-TM 4 ...

For terminal width 4.2 mm

General data		
Number of individual labels		120
Number of individual labels per strip		15
Material		PA
Inflammability class acc. to UL 94		V2
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
UniCard sheet, for labeling terminal blocks using a zack marker strip groove, can be labeled with BLUEMARK and CMS-P1-PLOTTER				
	White	**UC-TM 4**	**0818111**	10
	Red	**UC-TM 4 RD**	**0818250**	10
	Orange	**UC-TM 4 OG**	**0818221**	10
	Yellow	**UC-TM 4 YE**	**0818234**	10
	Violet	**UC-TM 4 VT**	**0819084**	10
	Blue	**UC-TM 4 BU**	**0818247**	10
	Green	**UC-TM 4 GN**	**0818263**	10
UniCard sheet, to label terminal blocks using a zack marker strip groove, **labeled as per customer specifications**[1])				
	White	**UC-TM 4 CUS**	**0824573**	1
	Red	**UC-TM 4 RD CUS**	**0824577**	1
	Orange	**UC-TM 4 OG CUS**	**0824576**	1
	Yellow	**UC-TM 4 YE CUS**	**0824579**	1
	Violet	**UC-TM 4 VT CUS**	**0824578**	1
	Blue	**UC-TM 4 BU CUS**	**0824574**	1
	Green	**UC-TM 4 GN CUS**	**0824575**	1

Accessories

Plastic magazines, for CMS-P1-PLOTTER, for accommodating: UC-TM ... UC-TMN ..., UC3-TM..., UC-WMC 1,9..., UC-WMC 3,1..., UC-WMTBA ..., UC-EM (17,5x9), UC-EM (18x8), UC-EM (21x8)		**P1 UC-MAG 1**	**5146079**	1





UC-TM 5 ...

For terminal width 5.2 mm



UC-TM 6 ...

For terminal width 6.2 mm



UC-TM 8 ...

For terminal width 8.2 mm

96	80	56
12	10	7
PA	PA	PA
V2	V2	V2
-40 ... 120	-40 ... 120	-40 ... 120
DIN EN 61010-1 (VDE 0411-1)	DIN EN 61010-1 (VDE 0411-1)	DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen	Free from silicone and halogen	Free from silicone and halogen

Type	Order No.	Pcs. / Pkt.
UC-TM 5	**0818108**	10
UC-TM 5 RD	**0818302**	10
UC-TM 5 OG	**0818276**	10
UC-TM 5 YE	**0818289**	10
UC-TM 5 VT	**0819107**	10
UC-TM 5 BU	**0818292**	10
UC-TM 5 GN	**0818315**	10
UC-TM 5 CUS	**0824581**	1
UC-TM 5 RD CUS	**0824585**	1
UC-TM 5 OG CUS	**0824584**	1
UC-TM 5 YE CUS	**0824587**	1
UC-TM 5 VT CUS	**0824586**	1
UC-TM 5 BU CUS	**0824582**	1
UC-TM 5 GN CUS	**0824583**	1
P1 UC-MAG 1	**5146079**	1

Type	Order No.	Pcs. / Pkt.
UC-TM 6	**0818085**	10
UC-TM 6 RD	**0818357**	10
UC-TM 6 OG	**0818328**	10
UC-TM 6 YE	**0818331**	10
UC-TM 6 VT	**0819110**	10
UC-TM 8 BU	**0818399**	10
UC-TM 6 GN	**0818360**	10
UC-TM 6 CUS	**0824589**	1
UC-TM 6 RD CUS	**0824593**	1
UC-TM 6 OG CUS	**0824592**	1
UC-TM 6 YE CUS	**0824595**	1
UC-TM 6 VT CUS	**0824594**	1
UC-TM 6 BU CUS	**0824590**	1
UC-TM 8 GN CUS	**0824599**	1
P1 UC-MAG 1	**5146079**	1

Type	Order No.	Pcs. / Pkt.
UC-TM 8	**0818072**	10
UC-TM 8 RD	**0818409**	10
UC-TM 8 OG	**0818373**	10
UC-TM 8 YE	**0818386**	10
UC-TM 8 VT	**0819123**	10
UC-TM 8 BU	**0818399**	10
UC-TM 8 GN	**0818412**	10
UC-TM 8 CUS	**0824597**	1
UC-TM 8 RD CUS	**0824601**	1
UC-TM 8 OG CUS	**0824600**	1
UC-TM 8 YE CUS	**0824603**	1
UC-TM 8 VT CUS	**0824602**	1
UC-TM 8 BU CUS	**0824598**	1
UC-TM 8 GN CUS	**0824599**	1
P1 UC-MAG 1	**5146079**	1

Terminal marking with UniCard



The UniCard-Terminal Marker UC-TM terminal markers make it possible to mark all terminal blocks from Phoenix Contact that have a zack marker strip groove. Being able to separate entire labeling strips saves time during assembly. Besides, UniCard sheets provide adequate space for functional texts.

The UniCard labeling range provides markers for all applications in a uniform sheet format. They can be labeled easily with the BLUEMARK LED printer, since their special form automatically guarantees perfect printing.

[1]) For ordering example, see page 601.

Can be printed with:



BLUEMARK



CMS-P1-PLOTTER



UC-TM 10 ...

For terminal width 10.2 mm

General data		
Number of individual labels		48
Number of individual labels per strip		6
Material		PA
Inflammability class acc. to UL 94		V2
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
UniCard sheet, for labeling terminal blocks using a zack marker strip groove, can be labeled with BLUEMARK and CMS-P1-PLOTTER				
	White	**UC-TM 10**	**0818069**	10
	Red	**UC-TM 10 RD**	**0818454**	10
	Orange	**UC-TM 10 OG**	**0818425**	10
	Yellow	**UC-TM 10 YE**	**0818438**	10
	Violet	**UC-TM 10 VT**	**0815936**	10
	Blue	**UC-TM 10 BU**	**0818441**	10
	Green	**UC-TM 10 GN**	**0818467**	10
UniCard sheet, for labeling terminal blocks using a zack marker strip groove, **labeled as per customer specifications**[1])				
	White	**UC-TM 10 CUS**	**0824605**	1
	White	**UC-TM 10 RD CUS**	**0824609**	1
	White	**UC-TM 10 OG CUS**	**0824608**	1
	White	**UC-TM 10 YE CUS**	**0824611**	1
	White	**UC-TM 10 VT CUS**	**0824610**	1
	White	**UC-TM 10 BU CUS**	**0824606**	1
	White	**UC-TM 10 GN CUS**	**0824607**	1

Accessories

Plastic magazines, for CMS-P1-PLOTTER, for accommodating: UC-TM ... UC-TMN ..., UC3-TM..., UC-WMC 1,9..., UC-WMC 3,1..., UC-WMTBA ..., UC-EM (17,5x9), UC-EM (18x8), UC-EM (21x8)		**P1 UC-MAG 1**	**5146079**	1





UC-TM 12 ...

For terminal width 12 mm



UC-TM 16 ...

For terminal width 16 mm

40	32
5	4
PA	PA
V2	V2
-40 ... 120	-40 ... 120
DIN EN 61010-1 (VDE 0411-1)	DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen	Free from silicone and halogen

Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
UC-TM 12	**0819194**	10	**UC-TM 16**	**0819217**	10
UC-TM 12 RD	**0817701**	10	**UC-TM 16 RD**	**0817798**	10
UC-TM 12 OG	**0817691**	10	**UC-TM 16 OG**	**0817772**	10
UC-TM 12 YE	**0819204**	10	**UC-TM 16 YE**	**0819220**	10
UC-TM 12 VT	**0822660**	10	**UC-TM 16 VT**	**0822673**	10
UC-TM 12 BU	**0817785**	10	**UC-TM 16 BU**	**0817769**	10
UC-TM 12 GN	**0817808**	10	**UC-TM 16 GN**	**0817756**	10
UC-TM 12 CUS	**0824613**	1	**UC-TM 16 CUS**	**0824621**	1
UC-TM 12 RD CUS	**0824617**	1	**UC-TM 16 RD CUS**	**0824625**	1
UC-TM 12 OG CUS	**0824616**	1	**UC-TM 16 OG CUS**	**0824624**	1
UC-TM 12 YE CUS	**0824619**	1	**UC-TM 16 YE CUS**	**0824627**	1
UC-TM 12 VT CUS	**0824618**	1	**UC-TM 16 VT CUS**	**0824626**	1
UC-TM 12 BU CUS	**0824614**	1	**UC-TM 16 BU CUS**	**0824622**	1
UC-TM 12 GN CUS	**0824615**	1	**UC-TM 16 GN CUS**	**0824623**	1
P1 UC-MAG 1	**5146079**	1	**P1 UC-MAG 1**	**5146079**	1

Terminal marking with UniCard

UniCard-Terminal Marker Flat UC-TMF terminal markers are for labeling terminal blocks, modules and connectors from Phoenix Contact which have a flat zack marker strip groove. The bars of the UniCard sheets as well as the lateral frames offer extra space for functional texts.

[1]) For ordering example, see page 601.



UC-TMF 4 ...

For terminal width 4.2 mm



UC-TMF 5 ...

For terminal width 5.2 mm

General data			
Number of individual labels		120	96
Number of individual labels per strip		15	12
Material		PA	PA
Inflammability class acc. to UL 94		V2	V2
Temperature range	[°C]	-40 ... 120	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)	DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen	Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
UniCard sheet, for labeling terminal blocks with flat zack marker sheet groove, can be labeled with BLUEMARK and CMS-P1-PLOTTER							
	White	**UC-TMF 4**	**0818166**	10	**UC-TMF 5**	**0818153**	10
	Red	**UC-TMF 4 RD**	**0818506**	10	**UC-TMF 5 RD**	**0818551**	10
	Orange	**UC-TMF 4 OG**	**0818470**	10	**UC-TMF 5 OG**	**0818522**	10
	Yellow	**UC-TMF 4 YE**	**0818483**	10	**UC-TMF 5 YE**	**0818535**	10
	Violet	**UC-TMF 4 VT**	**0815897**	10	**UC-TMF 5 VT**	**0815907**	10
	Blue	**UC-TMF 4 BU**	**0818496**	10	**UC-TMF 5 BU**	**0818548**	10
	Green	**UC-TMF 4 GN**	**0818519**	10	**UC-TMF 5 GN**	**0818564**	10
UniCard sheet, for labeling terminal blocks using a flat zack marker strip groove, **labeled as per customer specifications**[1])							
	White	**UC-TMF 4 CUS**	**0824630**	1	**UC-TMF 5 CUS**	**0824638**	1
	Red	**UC-TMF 4 RD CUS**	**0824634**	1	**UC-TMF 5 RD CUS**	**0824642**	1
	Orange	**UC-TMF 4 OG CUS**	**0824633**	1	**UC-TMF 5 OG CUS**	**0824641**	1
	Yellow	**UC-TMF 4 YE CUS**	**0824636**	1	**UC-TMF 5 YE CUS**	**0824644**	1
	Violet	**UC-TMF 4 VT CUS**	**0824635**	1	**UC-TMF 5 VT CUS**	**0824643**	1
	Blue	**UC-TMF 4 BU CUS**	**0824631**	1	**UC-TMF 5 BU CUS**	**0824639**	1
	Green	**UC-TMF 4 GN CUS**	**0824632**	1	**UC-TMF 5 GN CUS**	**0824640**	1

Accessories

Plastic magazine, for CMS-P1-PLOTTER, for accommodating: UC-TMF ..., UC1-TMF ..., UC2F-TM ..., UC-WMT ...							
For accommodating UC-TMF..., UC1-TMF..., UC2F-TM..., UC-WMT...		**P1 UC-MAG 4**	**5146105**	1	**P1 UC-MAG 4**	**5146105**	1



UC-TMF 6 ...

For terminal width 6.2 mm

80	
10	
PA	
V2	
-40 ... 120	
DIN EN 61010-1 (VDE 0411-1)	
Free from silicone and halogen	

Type	Order No.	Pcs. / Pkt.
UC-TMF 6	**0818140**	10
UC-TMF 6 RD	**0818603**	10
UC-TMF 6 OG	**0818577**	10
UC-TMF 6 YE	**0818580**	10
UC-TMF 6 VT	**0815910**	10
UC-TMF 6 BU	**0818593**	10
UC-TMF 6 GN	**0818616**	10
UC-TMF 6 CUS	**0824646**	1
UC-TMF 6 RD CUS	**0824650**	1
UC-TMF 6 OG CUS	**0824649**	1
UC-TMF 6 YE CUS	**0824652**	1
UC-TMF 6 VT CUS	**0824651**	1
UC-TMF 6 BU CUS	**0824647**	1
UC-TMF 6 GN CUS	**0824648**	1
P1 UC-MAG 4	**5146105**	1



UC-TMF 8 ...

For terminal width 8.2 mm

64	
8	
PA	
V2	
-40 ... 120	
DIN EN 61010-1 (VDE 0411-1)	
Free from silicone and halogen	

Type	Order No.	Pcs. / Pkt.
UC-TMF 8	**0818137**	10
UC-TMF 8 RD	**0818658**	10
UC-TMF 8 OG	**0818629**	10
UC-TMF 8 YE	**0818632**	10
UC-TMF 8 VT	**0815923**	10
UC-TMF 8 BU	**0818645**	10
UC-TMF 8 GN	**0818661**	10
UC-TMF 8 CUS	**0824654**	1
UC-TMF 8 RD CUS	**0824658**	1
UC-TMF 8 OG CUS	**0824657**	1
UC-TMF 8 YE CUS	**0824660**	1
UC-TMF 8 VT CUS	**0824659**	1
UC-TMF 8 BU CUS	**0824655**	1
UC-TMF 8 GN CUS	**0824656**	1
P1 UC-MAG 4	**5146105**	1



UC-TMF 10 ...

For terminal width 10.2 mm

48	
6	
PA	
V2	
-40 ... 120	
DIN EN 61010-1 (VDE 0411-1)	
Free from silicone and halogen	

Type	Order No.	Pcs. / Pkt.
UC-TMF 10	**0818124**	10
UC-TMF 10 RD	**0818700**	10
UC-TMF 10 OG	**0818674**	10
UC-TMF 10 YE	**0818687**	10
UC-TMF 10 VT	**0815981**	10
UC-TMF 10 BU	**0818690**	10
UC-TMF 10 GN	**0818713**	10
UC-TMF 10 CUS	**0824662**	1
UC-TMF 10 RD CUS	**0824666**	1
UC-TMF 10 OG CUS	**0824665**	1
UC-TMF 10 YE CUS	**0824668**	1
UC-TMF 10 VT CUS	**0824667**	1
UC-TMF 10 BU CUS	**0824663**	1
UC-TMF 10 GN CUS	**0824664**	1
P1 UC-MAG 4	**5146105**	1

Terminal marking with UniCard

UniCard-Terminal Marker Flat UC-TMF terminal markers are for labeling terminal blocks, modules and connectors from Phoenix Contact which have a flat zack marker strip groove. The bars of the UniCard sheets as well as the lateral frames offer extra space for functional texts.

[1]) For ordering example, see page 601.



UC-TMF 12 ...

For terminal width 12 mm



UC-TMF 16 ...

For terminal width 16 mm

General data		
Number of individual labels	40	32
Number of individual labels per strip	5	4
Material	PA	PA
Inflammability class acc. to UL 94	V2	V2
Temperature range [°C]	-40 ... 120	-40 ... 120
Wipe resistance	DIN EN 61010-1 (VDE 0411-1)	DIN EN 61010-1 (VDE 0411-1)
Components	Free from silicone and halogen	Free from silicone and halogen

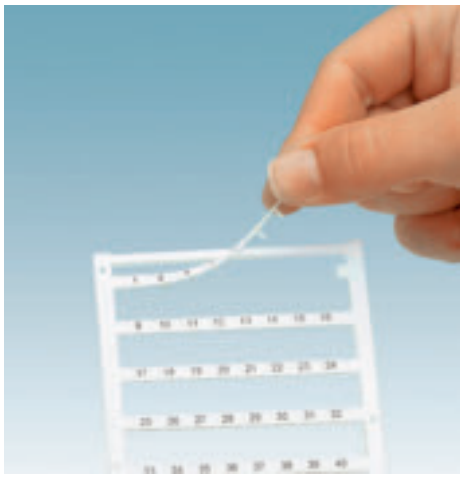
Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
UniCard sheet, for labeling terminal blocks with flat zack marker sheet groove, can be labeled with BLUEMARK and CMS-P1-PLOTTER							
	White	**UC-TMF 12**	**0819233**	10	**UC-TMF 16**	**0819262**	10
	Red	**UC-TMF 12 RD**	**0817840**	10	**UC-TMF 16 RD**	**0817824**	10
	Orange	**UC-TMF 12 OG**	**0817866**	10	**UC-TMF 16 OG**	**0817811**	10
	Yellow	**UC-TMF 12 YE**	**0819246**	10	**UC-TMF 16 YE**	**0819259**	10
	Violet	**UC-TMF 12 VT**	**0822686**	10	**UC-TMF 16 VT**	**0822699**	10
	Blue	**UC-TMF 12 BU**	**0817853**	10	**UC-TMF 16 BU**	**0817905**	10
	Green	**UC-TMF 12 GN**	**0817837**	10	**UC-TMF 16 GN**	**0817921**	10
UniCard sheet, for labeling terminal blocks using a flat zack marker strip groove, **labeled as per customer specifications**[1])							
	White	**UC-TMF 12 CUS**	**0824670**	1	**UC-TMF 16 CUS**	**0824678**	1
	Red	**UC-TMF 12 RD CUS**	**0824674**	1	**UC-TMF 16 RD CUS**	**0824682**	1
	Orange	**UC-TMF 12 OG CUS**	**0824673**	1	**UC-TMF 16 OG CUS**	**0824681**	1
	Yellow	**UC-TMF 12 YE CUS**	**0824676**	1	**UC-TMF 16 YE CUS**	**0824684**	1
	Violet	**UC-TMF 12 VT CUS**	**0824675**	1	**UC-TMF 16 VT CUS**	**0824683**	1
	Blue	**UC-TMF 12 BU CUS**	**0824671**	1	**UC-TMF 16 BU CUS**	**0824679**	1
	Green	**UC-TMF 12 GN CUS**	**0824672**	1	**UC-TMF 16 GN CUS**	**0824680**	1

Accessories

Plastic magazine, for CMS-P1-PLOTTER, for accommodating: UC-TMF ..., UC1-TMF ..., UC2F-TM ..., UC-WMT ...							
For accommodating UC-TMF..., UC1-TMF..., UC2F-TM..., UC-WMT...		**P1 UC-MAG 4**	**5146105**	1	**P1 UC-MAG 4**	**5146105**	1

Terminal marking



The UC-TMN... terminal markers facilitate marking Phoenix Contact terminal blocks that do not have a flat or a zack marker strip groove, e.g. mini terminal blocks and transformer terminal blocks.

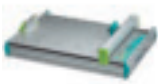
Being able to separate entire labeling strips saves time during assembly. Besides, UniCard sheets provide adequate space for functional texts.

[1]) For ordering example, see page 601.

Can be printed with:



BLUEMARK



CMS-P1-PLOTTER



UC-TMN ...

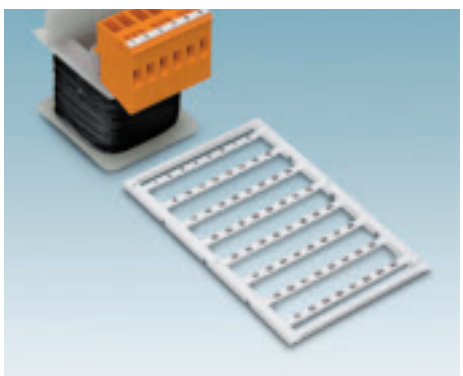
General data		
Number of individual labels		96
Number of individual labels per strip		12
Material		PA
Inflammability class acc. to UL 94		V2
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
UniCard sheet, for labeling transformer terminal blocks, can be labeled with BLUEMARK and CMS-P1-PLOTTER				
64-section	White	**UC-TMN 5,2**	**0822945**	10
96-section	White	**UC-TMN 7,5**	**0821823**	10
UniCard sheet, for labeling of transformer terminal blocks, **labeled according to customer requirements**[1])				
64-section	White	**UC-TMN 5,2 CUS**	**0826857**	1
96-section	White	**UC-TMN 7,5 CUS**	**0824690**	1

Accessories

Plastic magazines, for CMS-P1-PLOTTER, for accommodating: UC-TM ... UC-TMN ..., UC3-TM..., UC-WMC 1,9..., UC-WMC 3,1..., UC-WMTBA ..., UC-EM (17,5x9), UC-EM (18x8), UC-EM (21x8)		**P1 UC-MAG 1**	**5146079**	1



ZB zack marker strip

Can be printed with:





CMS-P1-PLOTTER



ZB 4 ...

For terminal width 4.2 mm

The ZB marking system provides quick and clear identification of modular terminal blocks and interface modules. Multi-section ZB strips can be easily separated.

Deviating pitches and labeling are possible on request. The unmarked ZB strips can be marked individually using a thermal transfer printer, a plotter or manually.

Selection of labeling direction

Please pay attention to the selection of the labeling direction with labeled items.

(1) Labeling "horizontally printed", proper reading direction for horizontally arranged terminal strip.

(2) Labeling "vertically printed", proper reading direction for vertically arranged terminal strip.

[1]) **10 identically marked** strips make up one packing unit (PU).

[2]) For ordering example, see page 601.

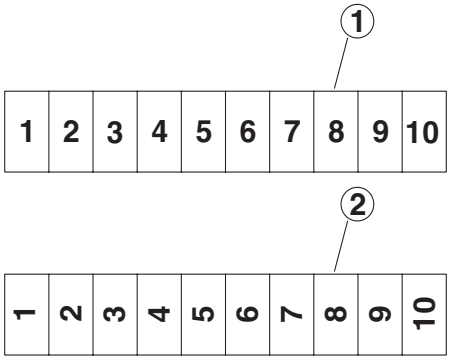
General data		
Material		PA
Inflammability class acc. to UL 94		V2
Temperature range	[°C]	-40 ... 100
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Zack marker strip, 10-section, unprinted: For individual labeling with TML (101X9.5)R TR, X-PEN or CMS-P1-PLOTTER, sufficient for the labeling of 100 terminal blocks per pack	White	**ZB 4 :UNBEDRUCKT**	**0805001**	10
As above, however, large batch, sufficient for 1000 terminal blocks	White	**ZB 4/WH-100:UNBEDRUCKT**	**0805810**	100
Zack marker strip, printed horizontally, has ten sections with consecutive numbers, e.g. 1-10, 11-20, etc. up to 91-100, (ZB 4, max. 2-digit)[1])	White	**ZB 4,LGS:FORTL.ZAHLEN**	**0805739**	10
Zack marker strip, printed horizontally, 10-section, with same numbers, e.g. 1/1/1, 2/2/2, etc. up to 100/100/100[1])	White			
Zack marker strip, 10-section, printed horizontally: With L1, L2, L3, N, PE[1])	White			
U, V, W, N, ⏚	White			
Zack marker strip, printed vertically, 10-section, with consecutive numbers, e.g. 1-10, 11-20, etc. up to 91-100[1])	White	**ZB 4,QR:FORTL.ZAHLEN**	**0805807**	10
Zack marker strip, special printing, 10-section, divisible, marking according to customer requirements, (zack marker strip max. 2 digits), please specify the desired marking with order[2])	White	**ZB 4 CUS**	**0824951**	1

Accessories

Plastic magazines, for CMS-P1-PLOTTER, for accommodating: - 22 zack marker strips		**CMS-P1-M/ZB**	**5144699**	1





ZB 5 ...

For terminal width 5.2 mm

PA
V2
-40 ... 100
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Type	Order No.	Pcs. / Pkt.
ZB 5 :UNBEDRUCKT	**1050004**	10
ZB 5/WH-100:UNBEDRUCKT	**5060906**	100
ZB 5,LGS:FORTL.ZAHLEN	**1050017**	10
ZB 5,LGS:GLEICHE ZAHLEN	**1050033**	10
ZB 5,LGS:L1-N,PE	**1050415**	10
ZB 5,QR:FORTL.ZAHLEN	**1050020**	10
ZB 5 CUS	**0824962**	1
CMS-P1-M/ZB	**5144699**	1

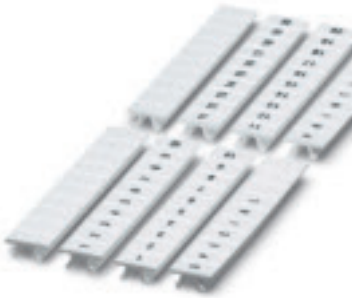


ZB 5,08 ...

For terminal width 5.08 mm

PA
V2
-40 ... 100
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Type	Order No.	Pcs. / Pkt.
ZB 5,08:UNBEDRUCKT	**0809793**	10
ZB 5,08,LGS:FORTL.ZAHLEN	**0809803**	10
ZB 5,08,LGS:L1-N,PE	**0809832**	10
ZB 5,08,LGS:U-N	**0809845**	10
ZB 5,08,QR:FORTL.ZAHLEN	**0809858**	10
ZB 5,08 CUS	**0824963**	1
CMS-P1-M/ZB	**5144699**	1



ZB 6 ...

For terminal width 6.2 mm

PA
V2
-40 ... 100
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

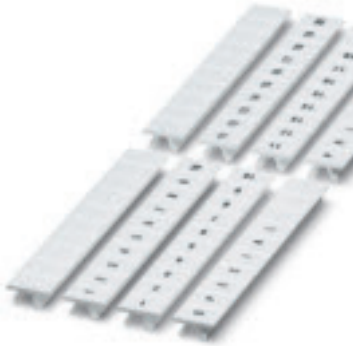
Type	Order No.	Pcs. / Pkt.
ZB 6:UNBEDRUCKT	**1051003**	10
ZB 6/WH-100:UNBEDRUCKT	**5060935**	100
ZB 6,LGS:FORTL.ZAHLEN	**1051016**	10
ZB 6,LGS:GLEICHE ZAHLEN	**1051032**	10
ZB 6,LGS:L1-N,PE	**1051414**	10
ZB 6,LGS:U-N	**1051430**	10
ZB 6,QR:FORTL.ZAHLEN	**1051029**	10
ZB 6 CUS	**0824992**	1
CMS-P1-M/ZB	**5144699**	1

ZB zack marker strip

[1]) **10 identically marked** strips make up one packing unit (PU).
[2]) For ordering example, see page 601.



ZB 6,6 ...
For terminal width 6.6 mm



ZB 7,5 ...
For terminal width 7.5 mm

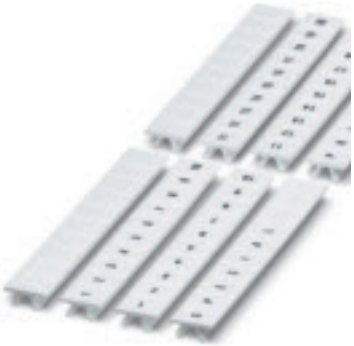
General data			
Material	PA	PA	
Inflammability class acc. to UL 94	V2	V2	
Temperature range [°C]	-40 ... 100	-40 ... 100	
Wipe resistance	DIN EN 61010-1 (VDE 0411-1)	DIN EN 61010-1 (VDE 0411-1)	
Components	Free from silicone and halogen	Free from silicone and halogen	

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Zack marker strip, 10-section, unprinted: For individual labeling with TML (101X9.5)R TR, X-PEN or CMS-P1-PLOTTER, sufficient for the labeling of 100 terminal blocks per pack	White	**ZB 6,6:UNBEDRUCKT**	**1052332**	10	**ZB 7,5:UNBEDRUCKT**	**0803948**	10
As above, however, large batch, sufficient for 1000 terminal blocks	White						
Zack marker strip, printed horizontally, 10-section, with consecutive numbers, e.g. 1-10, 11-20, etc. up to 91-100[1])	White	**ZB 6,6,LGS:FORTL.ZAHLEN**	**1052345**	10			
Zack marker strip, printed horizontally, 10-section, with same numbers, e.g. 1/1/1, 2/2/2, etc. up to 100/100/100[1])	White						
Zack marker strip, 10-section, printed horizontally: With L1, L2, L3, N, PE[1])	White						
U, V, W, N, ⏚	White						
Zack marker strip, printed vertically, 10-section, with consecutive numbers, e.g. 1-10, 11-20, etc. up to 91-100[1])	White						
Zack marker strip, special printing, 10-section, divisible, marking according to customer requirements, please specify the desired marking with order[2])	White	**ZB 6,6 CUS**	**0824978**	1	**ZB 7,5 CUS**	**0824994**	1

Accessories

Plastic magazines, for CMS-P1-PLOTTER, for accommodating: - 22 zack marker strips		**CMS-P1-M/ZB**	**5144699**	1	**CMS-P1-M/ZB**	**5144699**	1

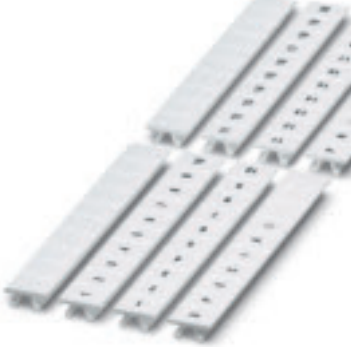


ZB 7,62 ...

For terminal width 7.62 mm

PA
V2
-40 ... 100
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Type	Order No.	Pcs. / Pkt.
ZB 7,62:UNBEDRUCKT	**1054000**	10
ZB 7,62/WH-100:UNBEDRUCKT	**5060922**	100
ZB 7,62,LGS:FORTL.ZAHLEN	**1054233**	10
ZB 7,62 CUS	**0824997**	1
CMS-P1-M/ZB	**5144699**	1

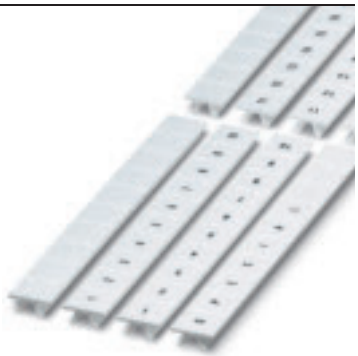


ZB 8 ...

For terminal width 8.2 mm

PA
V2
-40 ... 100
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Type	Order No.	Pcs. / Pkt.
ZB 8:UNBEDRUCKT	**1052002**	10
ZB 8/WH-100:UNBEDRUCKT	**5060896**	100
ZB 8,LGS:FORTL.ZAHLEN	**1052015**	10
ZB 8,LGS:L1-N,PE	**1052413**	10
ZB 8,QR:FORTL.ZAHLEN	**1052028**	10
ZB 8 CUS	**0825011**	1
CMS-P1-M/ZB	**5144699**	1



ZB 10 ...

For terminal width 10.2 mm

PA
V2
-40 ... 100
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Type	Order No.	Pcs. / Pkt.
ZB 10:UNBEDRUCKT	**1053001**	10
ZB10/WH-100:UNBEDRUCKT	**5060883**	100
ZB10,LGS:FORTL.ZAHLEN	**1053014**	10
ZB10,LGS:GLEICHE ZAHLEN	**1053030**	10
ZB10,LGS:L1-N,PE	**1053412**	10
ZB10,LGS:U-N	**1053438**	10
ZB10,QR:FORTL.ZAHLEN	**1053027**	10
ZB 10 CUS	**0824941**	1
CMS-P1-M/ZB	**5144699**	1

ZB zack marker strip

[1]) **10 identically marked** strips make up one packing unit (PU).
[2]) For ordering example, see page 601.



ZB 12 ...
For terminal width 12 mm



ZB 15 ...
For terminal width 15 mm

General data			
Material		PA	PA
Inflammability class acc. to UL 94		V2	V2
Temperature range	[°C]	-40 ... 100	-40 ... 100
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)	DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen	Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Zack marker strip, 5-section, unprinted: For individual labeling with TML (101X9,5) R TR, X-PEN or CMS-P1-PLOTTER, sufficient for labeling 50 terminal blocks per pack							
5-section	White	**ZB 12:UNPRINTED**	**0812120**	10	**ZB 15:UNBEDRUCKT**	**0811972**	10
4-part, for 40 terminal blocks	White						
Zack marker strip, 5-section, printed horizontally: With L1, L2, L3, N, PE[1])							
5-section	White	**ZB 12,LGS:L1-N,PE**	**0812146**	10	**ZB 15,LGS:L1-N,PE**	**0811998**	10
4-section	White						
Zack marker strip, special printing, 5-section, divisible, marking according to customer requirements, please specify the desired marking with order[2])							
5-section	White	**ZB 12 CUS**	**0824942**	1	**ZB 15 CUS**	**0824945**	1
4-section							

Accessories

Plastic magazines, for CMS-P1-PLOTTER, for accommodating: - 22 zack marker strips		**CMS-P1-M/ZB**	**5144699**	1	**CMS-P1-M/ZB**	**5144699**	1



ZB 16,3 ...

For terminal block width 16.3 mm

PA
V2
-40 ... 100
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Type	Order No.	Pcs. / Pkt.
ZB 16,3:UNPRINTED	0820222	10
ZB 16,3 CUS	0824946	1
CMS-P1-M/ZB	5144699	1



ZB 18 ...

For terminal width 18 mm

PA
V2
-40 ... 100
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Type	Order No.	Pcs. / Pkt.
ZB 18:UNBEDRUCKT	0811833	10
ZB 18,LGS:L1-N,PE	0811846	10
ZB 18 CUS	0824947	1
CMS-P1-M/ZB	5144699	1



ZB 22 ...

For terminal width 22 mm

PA
V2
-40 ... 100
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Type	Order No.	Pcs. / Pkt.
ZB 22:UNBEDRUCKT	0811862	10
ZB 22,LGS:L1-N,PE	0811875	10
ZB 22 CUS	0824949	1
CMS-P1-M/ZB	5144699	1

Terminal block and module marking with flat zack marker strip

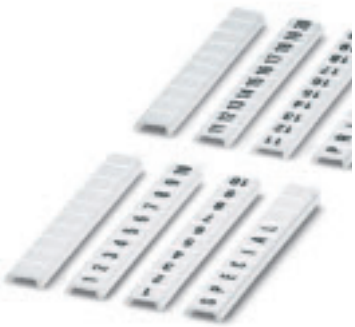
The ZBF flat zack marker strip is designed for marking terminal blocks, equipment and smaller modules with Phoenix Contact marker grooves.

The flat zack marker strip is available in all common pitches as labeled or unlabeled versions.

Further pitches and labelings are possible on request.

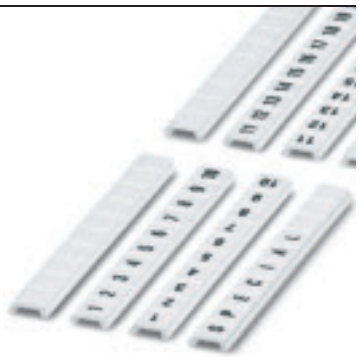
[1]) **10 identically marked** strips make up one packing unit (PU).

[2]) For ordering example, see page 601.



ZBF 4 ...

For terminal width 4.2 mm



ZBF 5 ...

For terminal width 5.2 mm

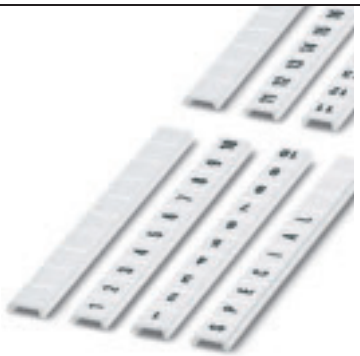
General data			
Material	PA	PA	
Inflammability class acc. to UL 94	V2	V2	
Temperature range [°C]	-40 ... 100	-40 ... 100	
Wipe resistance	DIN EN 61010-1 (VDE 0411-1)	DIN EN 61010-1 (VDE 0411-1)	
Components	Free from silicone and halogen	Free from silicone and halogen	

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Zack flat marker strip, 10-section, unprinted: For individual labeling with TML (101X4,2)R TR, X-PEN or CMS-P1-PLOTTER, sufficient for labeling 100 terminal blocks per pack							
10-section	White	**ZBF 4:UNBEDRUCKT**	**0808587**	10	**ZBF 5:UNBEDRUCKT**	**0808642**	10
As above, however, large batch, sufficient for 1000 terminal blocks	White	**ZBF 4/WH-100:UNBEDRUCKT**	**0808613**	100	**ZBF 5/WH-100:UNBEDRUCKT**	**0808668**	100
Zack marker strip, printed horizontally, 10-section with consecutive numbers, e.g. 1-10, 11-20, etc. up to 91-100, (ZBF 4, max. 2-digit)[1])	White	**ZBF 4,LGS:FORTL.ZAHLEN**	**0808626**	10	**ZBF 5,LGS:FORTL.ZAHLEN**	**0808671**	10
Zack marker strip, flat, printed horizontally, 10-section, with even numbers, e.g. 2-20, 22-40, etc. up to 82-100, (ZBF 4, max. 2-digit)[1])	White	**ZBF 4,LGS:GERADE ZAHLEN**	**0810818**	10	**ZBF 5,LGS:GERADE ZAHLEN**	**0810821**	10
Zack marker strip, flat, printed horizontally, 10-section, with odd numbers, e.g. 1-19, 21-39, etc. up to 81-99, (ZBF 4, max. 2-digit)[1])	White	**ZBF 4,LGS:UNGERADE ZAHLEN**	**0810850**	10	**ZBF 5,LGS:UNGERADE ZAHLEN**	**0810863**	10
Zack marker strip, flat, printed vertically, 10-section, with consecutive numbers, e.g. 1-10, 11-20, etc. up to 91-100[1])	White	**ZBF 4,QR:FORTL.ZAHLEN**	**0808820**	10	**ZBF 5,QR:FORTL.ZAHLEN**	**0808697**	10
Zack marker strip, flat, special printing, 10-section, divisible, marking according to customer requirements, (ZBF 4, max. 2-digits), please specify the desired marking with order[2])	White	**ZBF 4 CUS**	**0825023**	1	**ZBF 5 CUS**	**0825025**	1

Accessories

Plastic magazine for CMS-P1-PLOTTER, for accommodating: - 26 flat zack marker or ZBN strips							
- 26 flat zack marker strips or ZBN strips		**CMS-P1-M/ZBF**	**5144709**	1	**CMS-P1-M/ZBF**	**5144709**	1



ZBF 6 ...

For terminal width 6.2 mm

PA
V2
-40 ... 100
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Type	Order No.	Pcs. / Pkt.
ZBF 6:UNBEDRUCKT	**0808710**	10
ZBF 6/WH-100:UNBEDRUCKT	**0808736**	100
ZBF 6,LGS:FORTL.ZAHLEN	**0808749**	10
ZBF 6,LGS:GERADE ZAHLEN	**0810834**	10
ZBF 6,LGS:UNGERADE ZAHLEN	**0810876**	10
ZBF 6,QR:FORTL.ZAHLEN	**0808765**	10
ZBF 6 CUS	**0825027**	1
CMS-P1-M/ZBF	**5144709**	1



ZBF 7,5 ...

For terminal width 7.5 mm

PA
V2
-40 ... 100
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Type	Order No.	Pcs. / Pkt.
ZBF 7,5:UNBEDRUCKT	**0809942**	10
ZBF 7,5,LGS:FORTL.ZAHLEN	**0809955**	10
ZBF 7,5,QR:FORTL.ZAHLEN	**0809968**	10
ZBF 7,5 CUS	**0825028**	1
CMS-P1-M/ZBF	**5144709**	1



ZBF 8 ...

For terminal width 8.2 mm

PA
V2
-40 ... 100
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Type	Order No.	Pcs. / Pkt.
ZBF 8:UNBEDRUCKT	**0808781**	10
ZBF 8,LGS:FORTL.ZAHLEN	**0808804**	10
ZBF 8 CUS	**0825030**	1
CMS-P1-M/ZBF	**5144709**	1

Terminal block and module marking with flat zack marker strip

[1]) **10 identically marked** strips make up one packing unit (PU).
[2]) For ordering example, see page 601.



ZBF 10 ...
For terminal width 10.2 mm



ZBF 12 ...
For terminal width 12 mm

General data			
Material	PA	PA
Inflammability class acc. to UL 94	V2	V2
Temperature range [°C]	-40 ... 100	-40 ... 100
Wipe resistance	DIN EN 61010-1 (VDE 0411-1)	DIN EN 61010-1 (VDE 0411-1)
Components	Free from silicone and halogen	Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Zack flat marker strip, 10-section, unprinted: For individual labeling with TML (101X4.2)R TR, X-PEN or CMS-P1-PLOTTER	White	**ZBF10:UNBEDRUCKT**	**0809997**	10			
5-section	White				**ZBF 12:UNBEDRUCKT**	**0809735**	10
Zack marker strip, flat, printed horizontally, 10-section, with consecutive numbers, e.g. 1-10, 11-20, etc. up to 91-100[1])	White	**ZBF10,LGS:FORTL.ZAHLEN**	**0810009**	10			
Zack marker strip, flat, printed vertically, 10-section, with consecutive numbers, e.g. 1-10, 11-20, etc. up to 91-100[1])	White	**ZBF10,QR:FORTL.ZAHLEN**	**0810025**	10			
Zack marker strip, flat, special printing, 10-section, divisible, marking according to customer requirements, please specify the desired marking with order[2])	White	**ZBF10 CUS**	**0825031**	1			
5-section	White				**ZBF 12 CUS**	**0825018**	1

Accessories

Plastic magazine for CMS-P1-PLOTTER, for accommodating: - 26 flat zack marker or ZBN strips - 26 flat zack marker strips or ZBN strips		**CMS-P1-M/ZBF**	**5144709**	1	**CMS-P1-M/ZBF**	**5144709**	1

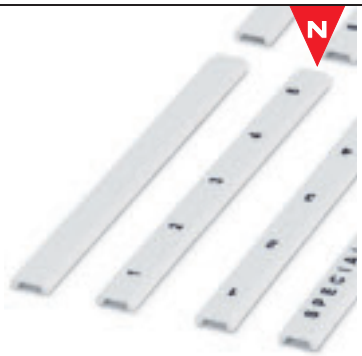


ZBF 15 ...

For terminal width 15 mm

PA
V2
-40 ... 100
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Type	Order No.	Pcs. / Pkt.
ZBF 15:UNBEDRUCKT	0811202	10
ZBF 15 CUS	0825019	1
CMS-P1-M/ZBF	5144709	1



ZBF 16 ...

For terminal block width 16 mm

PA
V2
-40 ... 100
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Type	Order No.	Pcs. / Pkt.
ZBF 16:UNPRINTED	0827464	10
ZBF 16 CUS	0827465	1
CMS-P1-M/ZBF	5144709	1



ZBF 19,7 ...

For terminal width 19.7 mm

PA
V2
-40 ... 100
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Type	Order No.	Pcs. / Pkt.
ZBF 19,7:UNBEDRUCKT	0810627	10
ZBF 19,7 CUS	0825021	1
CMS-P1-M/ZBF	5144709	1

Terminal marking TMT...



The terminal markers TMT... are made of a high quality polyester film and form an economical possibility for labeling of terminal strips. They can be snapped into the center as well as the lateral groove of the terminal blocks with the help of the provided tool.

For easy separation by hand, the strips are available perforated or unperforated for 4, 5, 6, 8 and 10 mm pitches in different colors for universal use.

Use of thermal transfer printers makes extremely small fonts, symbols, special characters and even 2-line labeling possible.

Packaged in resistant plastic sleeves, the rolls are protected against external influences.

[1]) For ordering example, see page 601.

Can be printed with:



THERMOMARK S1...



THERMOMARK X1...



TMT 4 R ...

4 mm pitch, 24 labels per strip

General data		
Material		Polyester
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Marker, **perforated, unprinted,** for all terminal blocks with ZB or ZBF groove, can be labeled with thermal transfer printer, 1 roll = 1000 strips, strip height: 6.4 mm, incl. TMT TOOL				
	White	**TMT 4 R**	**0816375**	1
	Red	**TMT 4 R RD**	**0816362**	1
	Blue	**TMT 4 R BU**	**0816333**	1
	Yellow	**TMT 4 R YE**	**0816388**	1
	Green	**TMT 4 R GN**	**0816346**	1
	Orange	**TMT 4 R OG**	**0816359**	1
Marker,perforated, labeled as per customer specifications, for all terminal blocks with ZB or ZBF groove, can be labeled with thermal transfer printer[1])				
	White	**TMT 4 R CUS**	**0824476**	1
	Red	**TMT 4 R RD CUS**	**0824480**	1
	Blue	**TMT 4 R BU CUS**	**0824477**	1
	Yellow	**TMT 4 R YE CUS**	**0824481**	1
	Green	**TMT 4 R GN CUS**	**0824478**	1
	Orange	**TMT 4 R OG CUS**	**0824479**	1

Accessories

Ink ribbon, Length: 300 m, width: 110 mm, printing color: Black	**THERMOMARK-RIBBON 110**	**5145384**	1
Locking tool to snap into the TMT... materials	**TMT TOOL**	**0816650**	1





TMT 5 R ...

5 mm pitch, 19 labels per strip

Polyester
-40 ... 120
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Type	Order No.	Pcs. / Pkt.
TMT 5 R	0816430	1
TMT 5 R RD	0816427	1
TMT 5 R BU	0816391	1
TMT 5 R YE	0816443	1
TMT 5 R GN	0816401	1
TMT 5 R OG	0816414	1
TMT 5 R CUS	0824482	1
TMT 5 R RD CUS	0824486	1
TMT 5 R BU CUS	0824483	1
TMT 5 R YE CUS	0824487	1
TMT 5 R GN CUS	0824484	1
TMT 5 R OG CUS	0824485	1
THERMOMARK-RIBBON 110	5145384	1
TMT TOOL	0816650	1



TMT 6 R ...

6 mm pitch, 16 labels per strip

Polyester
-40 ... 120
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Type	Order No.	Pcs. / Pkt.
TMT 6 R	0816498	1
TMT 6 R RD	0816485	1
TMT 6 R BU	0816456	1
TMT 6 R YE	0816508	1
TMT 6 R GN	0816469	1
TMT 6 R OG	0816472	1
TMT 6 R CUS	0824488	1
TMT 6 R RD CUS	0824492	1
TMT 6 R BU CUS	0824489	1
TMT 6 R YE CUS	0824493	1
TMT 6 R GN CUS	0824490	1
TMT 6 R OG CUS	0824491	1
THERMOMARK-RIBBON 110	5145384	1
TMT TOOL	0816650	1



TMT 8 R ...

8 mm pitch, 12 labels per strip

Polyester
-40 ... 120
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Type	Order No.	Pcs. / Pkt.
TMT 8 R	0816553	1
TMT 8 R RD	0816540	1
TMT 8 R BU	0816511	1
TMT 8 R YE	0816566	1
TMT 8 R GN	0816524	1
TMT 8 R OG	0816537	1
TMT 8 R CUS	0824494	1
TMT 8 R RD CUS	0824498	1
TMT 8 R BU CUS	0824495	1
TMT 8 R YE CUS	0824499	1
TMT 8 R GN CUS	0824496	1
TMT 8 R OG CUS	0824497	1
THERMOMARK-RIBBON 110	5145384	1
TMT TOOL	0816650	1

Terminal marking TMT...

The terminal markers TMT... are made of a high quality polyester film and form an economical possibility for labeling of terminal strips. They can be snapped into the center as well as the lateral groove of the terminal blocks with the help of the provided tool.

[1]) For ordering example, see page 601.



TMT 10 R ...

10 mm pitch, 10 labels per strip



TMT 100 R ...

Unperforated

General data		
Material	Polyester	Polyester
Temperature range [°C]	-40 ... 120	-40 ... 120
Wipe resistance	DIN EN 61010-1 (VDE 0411-1)	DIN EN 61010-1 (VDE 0411-1)
Components	Free from silicone and halogen	Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Marker, **perforated, unprinted,** for all terminal blocks with ZB or ZBF groove, can be labeled with thermal transfer printer, 1 roll = 1000 strips, strip height: 6.4 mm, incl. TMT TOOL							
	White	**TMT 10 R**	**0816210**	1			
Marker, perforated, labeled as per customer specifications, for all terminal blocks with ZB or ZBF groove, can be labeled with thermal transfer printer[1])							
	White	**TMT 10 R CUS**	**0824500**	1			
Marker, for terminal blocks, **unperforated, unprinted,** strip width: 101.5 mm, 1 roll = 1000 strips, incl. TMT TOOL							
	White				**TMT 100 R**	**0816605**	1
	Red				**TMT 100 R RD**	**0816595**	1
	Blue				**TMT 100 R BU**	**0816223**	1
	Yellow				**TMT 100 R YE**	**0816618**	1
	Green				**TMT 100 R GN**	**0816579**	1
	Orange				**TMT 100 R OG**	**0816582**	1
Marker, for terminal blocks, **unperforated, labeled as per customer specifications**, strip width: 101.5 mm,[1])							
	White				**TMT 100 R CUS**	**0824501**	1
	Red				**TMT 100 R RD CUS**	**0824505**	1
	Blue				**TMT 100 R BU CUS**	**0824502**	1
	Yellow				**TMT 100 R YE CUS**	**0824506**	1
	Green				**TMT 100 R GN CUS**	**0824503**	1
	Orange				**TMT 100 R OG CUS**	**0824504**	1

Accessories

Ink ribbon, Length: 300 m, width: 110 mm, printing color: Black		**THERMOMARK-RIBBON 110**	**5145384**	1	**THERMOMARK-RIBBON 110**	**5145384**	1
Locking tool to snap into the TMT... materials		**TMT TOOL**	**0816650**	1	**TMT TOOL**	**0816650**	1

Terminal block marking TML...



The transparent marking foil TML ... for marking of zack marker and flat zack marker materials at a later date. The foils can be labeled using the THERMOMARK S1... and THERMOMARK X1... . This printing technology enables a high-contrast and resistant printing quality.

[1]) For ordering example, see page 601.

Can be printed with:



THERMOMARK S1...



THERMOMARK X1...



TML ...

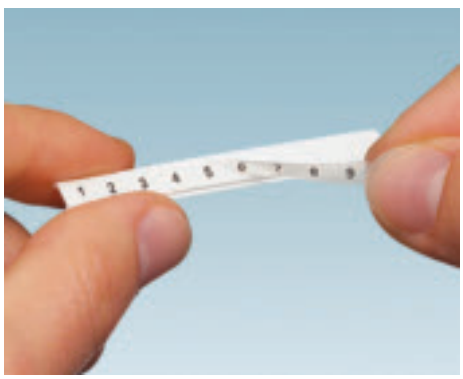
General data	
Number of individual labels	1000
Material	Polyester foil
Temperature range [°C]	-20 ... 70
Wipe resistance	DIN EN 61010-1 (VDE 0411-1)
Components	Silicone-Free

Ordering data

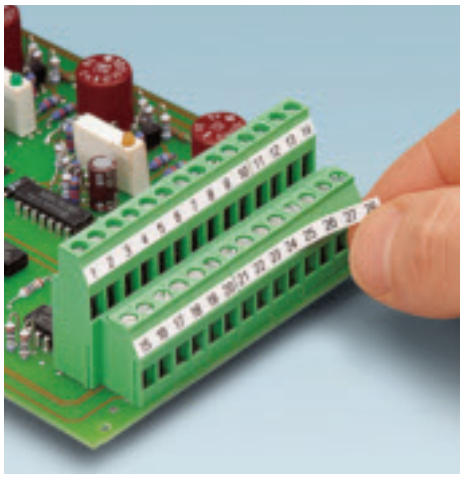
Description	Color	Type	Order No.	Pcs. / Pkt.
Marking foil for zack marker strip unprinted, for thermal transfer printer, perforated, 1 roll = 1000 strips, strip length: 101 mm, strip height: 9.5 mm				
	Transparent	**TML (101X9,5)R TR**	**0816647**	1
Labeled according to customer specifications[1])		**TML (101X9,5)R TR CUS**	**0824473**	1
Marking foil for zack marker strip, unprinted, for thermal transfer printer, 1 roll = 40 m, strip height: 9.5 mm				
	Transparent	**TML (EX9,5)R TR**	**0816634**	1
Labeled according to customer specifications[1])		**TML (EX9,5)R TR CUS**	**0824475**	1
Marking foil for zack marker strip, flat, unprinted, for thermal transfer printer, perforated, 1 roll = 1000 strips, strip length: 101 mm, strip height: 4.2 mm				
	Transparent	**TML (101X4,2)R TR**	**0816621**	1
Labeled according to customer specifications[1])		**TML (101X4,2)R TR CUS**	**0824472**	1
Marking foil for zack marker strip, flat, unprinted, for thermal transfer printer, 1 roll = 40 m, strip height: 4.2 mm				
	Transparent	**TML (EX4,2)R TR**	**0816715**	1
Labeled according to customer specifications[1])		**TML (EX4,2)R TR CUS**	**0824474**	1

Accessories

Ink ribbon, Length: 300 m, width: 110 mm, printing color: Black	**THERMOMARK-RIBBON 110**	**5145384**	1



Marker cards SK
Height of strip: 2.8 mm



The SK self-adhesive marker strips can be used for all terminal blocks, modules and devices which do not have marker grooves. The strips are available in three heights: 2.8, 3.8 and 5 mm. Depending on the version, each card has 10, 12 or 14 marker strips which can be easily pulled off.

The cards are available labeled in the pitches of the following series:
– Printed circuit terminal blocks
– COMBICON connectors
– MINI COMBICON connectors
– COMBICON power connectors
– Electronic housings

Unprinted and stamped material off the roll is available for individual marking and it can be individually marked using the THERMOMARK S1... thermal transfer printer with an external media hub or the THERMOMARK X1..... Using the optional cutter, the labeled marker strips can be detached at the corresponding length.

Can be printed with:



THERMOMARK S1...



THERMOMARK X1...



Laser printer



SK 2,54/2,8 ...

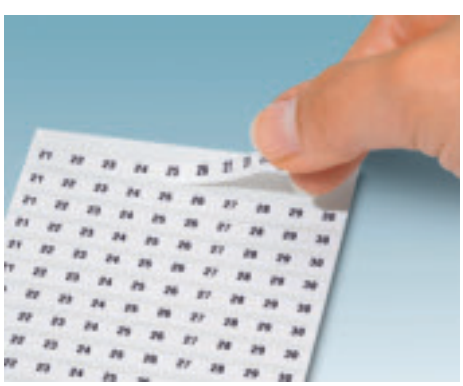
General data		
Material		Polyester
Temperature range	[°C]	-40 ... 100
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Self-adhesive marker strips, unprinted, continuous, material off the roll, for individual labeling with THERMOMARK X1...thermal transfer printer, can be separated with the optional THERMOMARK X1-CUTTER cutter, free pitch division, strip length of up to 1000 mm, 14 strips, strip height 2.8 mm, 1 roll = 90 m	White	**SK 2,8 WH:REEL**	**0805205**	1
Marker card, unprinted, DIN A 4 format, pitch as desired, self-adhesive, with 50 stamped marker strips, strips 185 mm long, can be labeled with the plotter, the laser printer or manually with the B-STIFT or the X-PEN	White	**SK U/2,8 WH:UNBEDRUCKT**	**0803883**	10
Marker card, printed horizontally, self-adhesive, 10-section marking stripes, 14 identical decades marked with 1-10, 11-20, etc. up to 91-100, adequate for 140 terminal blocks (SK 2,54...-SK 3,81... max. 2 characters per terminal)	White	**SK 2,54/2,8:FORTL.ZAHLEN**	**0804853**	10
Marker card, special printing, self-adhesive, labeled acc. to customer requirements, please specify the desired marking with order, 14 identical marker strips per card, max. 25-position labeling per strip (SK 2,54... -SK 3,81... max. 2 characters per position)	White	**SK 2,54/2,8:SO**	**0804879**	1

Accessories

Ink ribbon, Length: 300 m, width: 110 mm, printing color: Black	**THERMOMARK-RIBBON 110**	**5145384**	1





SK 3,5/2,8 ...

Polyester
-40 ... 100
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Type	Order No.	Pcs. / Pkt.
SK 2,8 WH:REEL	0805205	1
SK U/2,8 WH:UNBEDRUCKT	0803883	10
SK 3,5/2,8:FORTL.ZAHLEN	0804073	10
SK 3,5/2,8:SO	0805030	1
THERMOMARK-RIBBON 110	5145384	1



SK 3,81/2,8 ...

Polyester
-40 ... 100
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Type	Order No.	Pcs. / Pkt.
SK 2,8 WH:REEL	0805205	1
SK U/2,8 WH:UNBEDRUCKT	0803883	10
SK 3,81/2,8:FORTL.ZAHLEN	0804109	10
SK 3,81/2,8:SO	0805056	1
THERMOMARK-RIBBON 110	5145384	1



SK 5,08/2,8 ...

Polyester
-40 ... 100
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Type	Order No.	Pcs. / Pkt.
SK 2,8 WH:REEL	0805205	1
SK U/2,8 WH:UNBEDRUCKT	0803883	10
SK 5,08/2,8:FORTL.ZAHLEN	0804280	10
SK 5,08/2,8:SO	0805108	1
THERMOMARK-RIBBON 110	5145384	1

Marker cards SK
Height of strip: 3.8 mm



SK 5/3,8 ...



SK 5,08/3,8 ...

General data			
Material	Polyester	Polyester	
Temperature range [°C]	-40 ... 100	-40 ... 100	
Wipe resistance	DIN EN 61010-1 (VDE 0411-1)	DIN EN 61010-1 (VDE 0411-1)	
Components	Free from silicone and halogen	Free from silicone and halogen	

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Self-adhesive marker strips, unprinted, continuous, material off the roll, for individual labeling with THERMOMARK X1.... thermal transfer printer, can be separated with the optional THERMOMARK X1-CUTTER cutter, free pitch division, strip length of up to 1000 mm, 12 strips, strip height 3.8 mm, 1 roll = 90 m	White	SK 3,8 WH:REEL	0805218	1	SK 3,8 WH:REEL	0805218	1
Marker card, unprinted, DIN A 4 format, pitch as desired, self-adhesive, with 40 stamped marker strips, strips 185 mm long, can be labeled with the plotter, the laser printer or manually with the B-STIFT or the X-PEN	White	SK U/3,8 WH:UNBEDRUCKT	0803906	10	SK U/3,8 WH:UNBEDRUCKT	0803906	10
Marker card, unprinted, with pitch divisions, self-adhesive, 10-section marker strip, 12 strips per card, can be labeled with B-STIFT or X-PEN	White	SK 5/3,8:UNBEDRUCKT	0805409	10	SK 5,08/3,8:UNBEDRUCKT	0805412	10
Marker card, printed horizontally, self-adhesive, 10-section marker strip, 12 identical decades marked 0-9, sufficient for 120 terminal blocks	White				SK 5,08/3,8: 0-9	0804303	10
Marker card, printed horizontally, self-adhesive, 10-section marker strip, 12 identical decades marked, for example, with 1-10, 11-20 etc. up to 91-100, sufficient for 120 terminal blocks	White	SK 5/3,8:FORTL.ZAHLEN	0804183	10	SK 5,08/3,8:FORTL.ZAHLEN	0804293	10
Marker card, special printing, self-adhesive, labeled acc. to customer requirements, please specify the desired marking with order, 12 identical marker strips per card, max. 25-position labeling per strip	White	SK 5/3,8:SO	0805072	1	SK 5,08/3,8:SO	0805085	1

Accessories

Ink ribbon, Length: 300 m, width: 110 mm, printing color: Black		THERMOMARK-RIBBON 110	5145384	1	THERMOMARK-RIBBON 110	5145384	1



SK 6,2/3,8 ...

Polyester
-40 ... 100
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Type	Order No.	Pcs. / Pkt.
SK 3,8 WH:REEL	0805218	1
SK U/3,8 WH:UNBEDRUCKT	0803906	10
SK 6,2/3,8:UNBEDRUCKT	0805425	10
SK 6,2/3,8:FORTL.ZAHLEN	0804374	10
SK 6,2/3,8:SO	0805111	1
THERMOMARK-RIBBON 110	5145384	1



SK 7,5/3,8 ...

Polyester
-40 ... 100
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Type	Order No.	Pcs. / Pkt.
SK 3,8 WH:REEL	0805218	1
SK U/3,8 WH:UNBEDRUCKT	0803906	10
SK 7,5/3,8:FORTL.ZAHLEN	0804455	10
SK 7,5/3,8:SO	0805137	1
THERMOMARK-RIBBON 110	5145384	1



SK 7,62/3,8 ...

Polyester
-40 ... 100
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Type	Order No.	Pcs. / Pkt.
SK 3,8 WH:REEL	0805218	1
SK U/3,8 WH:UNBEDRUCKT	0803906	10
SK 7,62/3,8:FORTL.ZAHLEN	0804549	10
SK 7,62/3,8:SO	0805153	1
THERMOMARK-RIBBON 110	5145384	1

Marker cards SK
Height of strip: 5 mm



SK 7,5/5 ...



SK 7,62/5 ...

General data			
Material	Polyester	Polyester	
Temperature range [°C]	-40 ... 140	-40 ... 140	
Wipe resistance	DIN EN 61010-1 (VDE 0411-1)	DIN EN 61010-1 (VDE 0411-1)	
Components	Free from silicone and halogen	Free from silicone and halogen	

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Self-adhesive marker strips, unprinted, continuous, material off the roll, for individual labeling with THERMOMARK X1...thermal transfer printer, can be separated with the optional THERMOMARK X1-CUTTER cutter, free pitch division, strip length of up to 1000 mm, 10 strips, strip height 5.0 mm, 1 roll = 90 m	White	**SK 5,0 WH:REEL**	**0805221**	1	**SK 5,0 WH:REEL**	**0805221**	1
Marker card, unprinted, DIN A 4 format, pitch as desired, self-adhesive, with 35 stamped marker strips, strips 185 mm long, can be labeled with the plotter, the laser printer or manually with the B-STIFT or the X-PEN	White	**SK U/5,0 WH:UNBEDRUCKT**	**0803922**	10	**SK U/5,0 WH:UNBEDRUCKT**	**0803922**	10
Marker card, printed horizontally, self-adhesive, 10-section marker strip, 10 identical decades marked 1-10, 11-20 etc. up to 91-100, for example, sufficient for 100 terminal blocks	White	**SK 7,5/5:FORTL.ZAHLEN**	**0804468**	10	**SK 7,62/5:FORTL.ZAHLEN**	**0804552**	10
Marker card, special printing, self-adhesive, labeled acc. to customer requirements, please specify the desired marking with order, 10 identical marker strips per card, max. 25-position labeling per strip	White	**SK 7,5/5:SO**	**0805124**	1	**SK 7,62/5:SO**	**0805140**	1

Accessories

Ink ribbon, Length: 300 m, width: 110 mm, printing color: Black		**THERMOMARK-RIBBON 110**	**5145384**	1	**THERMOMARK-RIBBON 110**	**5145384**	1



SK 9,5/5 ...

Polyester
-40 ... 140
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Type	Order No.	Pcs. / Pkt.
SK 5,0 WH:REEL	0805221	1
SK U/5,0 WH:UNBEDRUCKT	0803922	10
SK 9,5/5:SO	0805069	1
THERMOMARK-RIBBON 110	5145384	1



SK 10/5 ...

Polyester
-40 ... 140
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Type	Order No.	Pcs. / Pkt.
SK 5,0 WH:REEL	0805221	1
SK U/5,0 WH:UNBEDRUCKT	0803922	10
SK 10/5:SO	0805179	1
THERMOMARK-RIBBON 110	5145384	1



SK 12,5/5 ...

Polyester
-40 ... 140
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Type	Order No.	Pcs. / Pkt.
SK 5,0 WH:REEL	0805221	1
SK U/5,0 WH:UNBEDRUCKT	0803922	10
SK 12,5/5:SO	0805182	1
THERMOMARK-RIBBON 110	5145384	1



Large terminal markers for center labeling

	UC-TM 4	UC-TM 5	UC-TM 6	UC-TM 8	UC-TM 10	UC-TM 12	UC-TM 16
	See from page 478						
	ZB 4	ZB 5	ZB 6	ZB 8	ZB 10	ZB 12	ZB 16
	See from page 486						
	TMT 4 R	TMT 5 R	TMT 6 R	TMT 8 R	TMT 10 R	TMT 100 R	TMT 100 R
	See from page 496						
Pitch	4	5	6	8	10	12	16
Screw terminal blocks							
UT 2,5..., UTTB 2,5...	5						
UT 4..., UTTB 4...	6						
UT 6..., UTME(D) 6...	8						
UT 10...	10						
UT 16...	12						
UT 35	16						
UK 1,5 N..., USLKG 1,5 N	4						
UK 2,5 N..., USLKG 2,5 N, UK 3 N...,USLKG 3, UKK(B) 3..., UDK 3..., MTK(D)...	5						
UK 5 N..., USLKG 5 N, UDK 4..., UKK(B) 5,UDMTK(B) 5..., UKN 2,5..., UKN 5..., PIK 4...	6						
UK 6 N..., USLKG 6 N, UKN 6..., PIK 6...,URTK..., UGSK..., URDK...	8						
UK 10 N..., USLKG 10 N, UKKB 10..., UKN 10...	10						
U(I)K 16..., U(I)SLKG 16, UIKN 16...	12						
U(I)K 35..., U(I)SLKG 35, UIKN 35...	15						
UKH..., USLKG 50/60	> 16						
DIK(D) 1,5..., DOK(D) 1,5..., VIOK 1,5..., DLK(B) 2,5..., SLKK 5...	6						
UVKB 4..., UHK 4..., USK 4..., UK 4..., UKK 4..., VBST 4...	6						
TMC..., TMCP SOCKET...	12						
UK 5-HESI..., UKK 5-HESI..., UK-SI...,UK 6-FSI..., UK 10-DREHSI...	8						
UK 6,3-HESI..., USIG...	10						
MT 1,5..., MTTB 1,5...	4						
MBK..., MBK 2,5..., MBK 3..., MSKLG 2,5 MBKKB 2,5...	5						
MBK 5..., MSKLG 5	6						
MBK 6..., MSKLG 6	8						
DFK 4...	6						
DFK 5...	9.5						
HDFK(V) 4...	8						
HDFK(V) 10.../16.../25..., VDFK 6...	≥ 10						
HDFK(V) 50..., HDFK(V) 95...	> 18						

The pitch of the terminal block corresponds to the width of the label

The pitch of the terminal block is greater than the width of the label



Small terminal markers for center and side labeling

		UC-TMF 4	UC-TMF 5	UC-TMF 6	UC-TMF 8	UC-TMF 10	UC-TMF 12	UC-TMF 16
		See from page 482						
		ZBF 4	ZBF 5	ZBF 6	ZBF 8	ZBF 10	ZBF 12	ZBF 16
		See from page 492						
		TMT 4 R	TMT 5 R	TMT 6 R	TMT 8 R	TMT 10 R	TMT 100 R	TMT 100 R
		See from page 496						
	Pitch	4	5	6	8	10	12	16
Screw terminal blocks								
UT 2,5..., UTTB 2,5...	5							
UT 4..., UTTB 4...	6							
UT 6..., UTME(D) 6...	8							
UT 10...	10							
UT 16...	12							
UT 35	16							
UK 1,5 N..., USLKG 1,5 N	4							
UK 2,5 N..., USLKG 2,5 N, UK 3 N...,USLKG 3, UKK(B) 3..., UDK 3..., MTK(D)...	5							
UK 5 N..., USLKG 5 N, UDK 4..., UKK(B) 5,UDMTK(B) 5..., UKN 2,5..., UKN 5..., PIK 4...	6							
UK 6 N..., USLKG 6 N, UKN 6..., PIK 6...,URTK..., UGSK..., URDK...	8							
UK 10 N..., USLKG 10 N, UKKB 10..., UKN 10...	10							
U(I)K 16..., U(I)SLKG 16, UIKN 16...	12							
U(I)K 35..., U(I)SLKG 35, UIKN 35...	15							
UKH..., USLKG 50/60	> 16							
DIK(D) 1,5..., DOK(D) 1,5..., VIOK 1,5..., DLK(B) 2,5..., SLKK 5...	6							
UVKB 4..., UHK 4..., USK 4..., UK 4..., UKK 4..., VBST 4...	6							
TMC..., TMCP SOCKET...	12							
UK 5-HESI..., UKK 5-HESI..., UK-SI...,UK 6-FSI..., UK 10-DREHSI...	8							
UK 6,3-HESI..., USIG...	10							
MT 1,5..., MTTB 1,5...	4							
MBK..., MBK 2,5..., MBK 3..., MSKLG 2,5 MBKKB 2,5...	5							
MBK 5..., MSKLG 5	6							
MBK 6..., MSKLG 6	8							
DFK 4...	6							
DFK 5...	9.5							
HDFK(V) 4...	8							
HDFK(V) 10.../16.../25..., VDFK 6...	≥ 10							
HDFK(V) 50..., HDFK(V) 95...	> 18							



Large terminal markers for center labeling

		UC-TM 4	UC-TM 5	UC-TM 6	UC-TM 8	UC-TM 10	UC-TM 12	UC-TM 16
		See from page 478						
		ZB 4	ZB 5	ZB 6	ZB 8	ZB 10	ZB 12	ZB 16
		See from page 486						
		TMT 4 R	TMT 5 R	TMT 6 R	TMT 8 R	TMT 10 R	TMT 100 R	TMT 100 R
		See from page 496						
	Pitch	4	5	6	8	10	12	16
Spring-cage terminal blocks								
ST 1,5...	4	■						
ST 2,5... (except for ST 2,5-3L)	5	■	■					
ST 4...	6	■	■	■				
ST 6..., STME(D) 6...	8	■	■	■	■			
ST 10...	10	■	■	■	■	■		
ST 16...	12	■	■	■	■	■	■	
ST 35...	16	■	■	■	■	■	■	■
ST 4-HESI (6,3 x 32), ST 4-FSI...	8	■	■	■	■			
STU 2,5...	5	■	■					
STU 4..., STTBU 4...	6	■	■	■				
STU 10...	10	■	■	■	■			
STU 35...	16	■	■	■	■	■	■	■
STS 2,5..., STTBS 2,5...	5	■	■					
STS 4..., STTBS 4...	6	■	■	■				
STS 6...	8	■	■	■	■			
STI 2,5..., STN 2,5...	5	■	■					
STI 4..., STN 4...	6	■	■	■				
STI 10..., STN 10...	10	■	■	■	■	■		
STI 16..., STN 16...	12	■	■	■	■	■	■	
STN 35...	16	■	■	■	■	■	■	■
SRTK 6..., SGSK 6..., SRDK 6...	8	■	■	■	■			
ZRV...	7.62	■	■	■				
ZRTK..., ZGSK..., ZRDK...	8	■	■	■	■			

■ The pitch of the terminal block corresponds to the width of the label

■ The pitch of the terminal block is greater than the width of the label



Small terminal markers for center and side labeling		UC-TMF 4	UC-TMF 5	UC-TMF 6	UC-TMF 8	UC-TMF 10	UC-TMF 12	UC-TMF 16
		See from page 482						
		ZBF 4	ZBF 5	ZBF 6	ZBF 8	ZBF 10	ZBF 12	ZBF 16
		See from page 492						
		TMT 4 R	TMT 5 R	TMT 6 R	TMT 8 R	TMT 10 R	TMT 100 R	TMT 100 R
		See from page 496						
	Pitch	4	5	6	8	10	12	16
Spring-cage terminal blocks								
ST 1,5..., STTB 1,5...	4	■						
ST 2,5..., STTB 2,5..., ST 2,5-3..., STIO...	5	■	■					
ST 4...	6	■	■	■				
ST 6..., STME(D) 6...	8	■	■	■	■			
ST 10...	10	■	■	■	■	■		
ST 16...	12	■	■	■	■	■	■	
ST 35...	16	■	■	■	■	■	■	■
ST 4-HESI (6,3 x 32), ST 4-FSI...	8	■	■	■	■			
STU 2,5...	5	■	■					
STU 4..., STTBU 4...	6	■	■	■				
STU 10...	10	■	■	■	■			
STU 35...	16	■	■	■	■	■	■	■
STS 2,5..., STTBS 2,5...	5	■	■					
STS 4..., STTBS 4...	6	■	■	■				
STS 6...	8	■	■	■	■			
STI 2,5..., STN 2,5...	5	■	■					
STI 4..., STN 4...	6	■	■	■				
STI 10..., STN 10...	10	■	■	■	■	■		
STI 16..., STN 16...	12	■	■	■	■	■	■	
STN 35...	16	■	■	■	■	■	■	■
SRTK 6..., SGSK 6..., SRDK 6...	8	■	■	■	■			
ZRV...	7.62	■	■	■				
ZRTK..., ZGSK..., ZRDK...	8	■	■	■	■			
ZFK 6-DREHSI...	12	■	■	■	■			
ZFKK 2,5...	5	■	■					
ZDMTK 2,5...	6	■	■	■				
ZPV...	5	■	■					
MZFK(K) 1,5..., MZB 1,5...	5	■	■					
MZDB 1,5...	10	■	■					
MSB(V) 2,5.../MSDB(V) 2,5...	5/10	■	■					



Large terminal markers for center labeling

		UC-TM 4	UC-TM 5	UC-TM 6	UC-TM 8	UC-TM 10	UC-TM 12	UC-TM 16
		See from page 478						
		ZB 4	ZB 5	ZB 6	ZB 8	ZB 10	ZB 12	ZB 16
		See from page 486						
		TMT 4 R	TMT 5 R	TMT 6 R	TMT 8 R	TMT 10 R	TMT 100 R	TMT 100 R
		See from page 496						
	Pitch	4	5	6	8	10	12	16
Push-in connection terminal blocks								
PIT 2,5..., PITTBS 2,5...	5	■	■					
DTI 2,5..., DTN 2,5...	5	■	■					
DTI 4..., DTN 4...	6	■	■	■				
DTI 6..., DTN 6..., DTME(D) 6...	8	■	■	■	■			
DT 6/2,5-DREHSI...	12	■	■	■	■	■		
Fast connection terminal blocks								
QTC(U)(S) 1,5...,	5	■	■					
QTC(U)(S) 2,5...,	6	■	■	■				
Bolt connection terminal blocks								
RT(O) 3...	12	■	■	■	■	■	■	
RT(O) 5...	16	■	■	■	■	■	■	■
RT(O) 8...	20	■	■	■	■	■	■	■
HV M.../1, HV M.../2	> 13	■	■	■	■	■	■	
UHV 25-240	> 26	■	■	■	■	■		



Pluggable terminal markers for terminal blocks without marker groove

		UC-TMN 5,2	UC-TMN 7,5
		See page 485	
	Pitch	5.2	7.5
Mini terminal blocks, transformer terminal blocks			
MBK..	5/10	■	
TRK...	7.62	■	■

■ The pitch of the terminal block corresponds to the width of the label

■ The pitch of the terminal block is greater than the width of the label



Small terminal markers for center and side labeling		UC-TMF 4	UC-TMF 5	UC-TMF 6	UC-TMF 8	UC-TMF 10	UC-TMF 12	UC-TMF 16
		See from page 482						
		ZBF 4	ZBF 5	ZBF 6	ZBF 8	ZBF 10	ZBF 12	ZBF 16
		See from page 492						
		TMT 4 R	TMT 5 R	TMT 6 R	TMT 8 R	TMT 10 R	TMT 100 R	TMT 100 R
		See from page 496						
	Pitch	4	5	6	8	10	12	16
Push-in connection terminal blocks								
PIT 2,5..., PITTB 2,5..., PITTBS 2,5...	5	■	■					
DTI 2,5..., DTN 2,5...	5	■	■					
DTI 4..., DTN 4...	6	■	■	■				
DTI 6..., DTN 6..., DTME(D) 6...	8	■	■	■	■			
DT 6/2,5-DREHSI...	12	■	■	■	■	■		
Fast connection terminal blocks								
QTC(U)(S) 1,5..., QTTCB(U)(S) 1,5...	5	■	■					
QTC(U)(S) 2,5...,	6	■	■	■				
Bolt connection terminal blocks								
RT(O) 3...	12	■	■	■	■	■	■	
RT(O) 5...	16	■	■	■	■	■	■	■
RT(O) 8...	20	■	■	■	■	■	■	■
HV M.../1, HV M.../2	> 13	■	■	■	■	■	■	
UHV 25-240	> 26	■	■	■	■	■		
COMBI connectors								
UPBV 2,5...	5	■	■					
UP 4..., UPBV 4...	5	■	■	■				
SP(V) 2,5..., SP(D)B 2,5..., SC 2,5...	5	■	■					
SP 4..., SC 4...	6	■	■	■				
PP-H 2,5	5	■	■					
QP 1,5...	5	■	■					

Terminal marking



The UniCard Terminal Marker UC1-TM... terminal markers facilitate marking terminal blocks from other manufacturers. Being able to separate entire labeling strips saves time during assembly. Besides, UniCard sheets provide adequate space for functional texts.

See page 522 for an overview of terminal blocks that can be marked.

[1]) For ordering example, see page 601.

Can be printed with:



BLUEMARK



CMS-P1-PLOTTER



UC1-TM 5 ...

For terminal width 5.2 mm

General data		
Number of individual labels		96
Number of individual labels per strip		12
Material		PA
Inflammability class acc. to UL 94		V2
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
UniCard sheet, for labeling third party terminal makes, can be labeled with BLUEMARK and CMS-P1-PLOTTER				
	White	**UC1-TM 5**	**0821784**	10
	Red	**UC1-TM 5 RD**	**0828185**	10
	Orange	**UC1-TM 5 OG**	**0828186**	10
	Yellow	**UC1-TM 5 YE**	**0828187**	10
	Blue	**UC1-TM 5 BU**	**0828188**	10
	Green	**UC1-TM 5 GN**	**0828189**	10
96-section, with an offset foot	White			
UniCard sheet, for labeling third party terminal makes, **labeled as per customer specifications**[1])				
	White	**UC1-TM 5 CUS**	**0824507**	1
	Red	**UC1-TM 5 RD CUS**	**0828318**	1
	Orange	**UC1-TM 5 OG CUS**	**0828319**	1
	Yellow	**UC1-TM 5 YE CUS**	**0828320**	1
	Blue	**UC1-TM 5 BU CUS**	**0828321**	1
	Green	**UC1-TM 5 GN CUS**	**0828322**	1
96-section, with an offset foot	White			

Accessories

Plastic magazine, for CMS-P1-PLOTTER, for accommodating: UC1-TM ..., UC1U-TM ..., UC2-TM...			
For accommodating UC1-TM..., UC1U-TM..., UC2-TM...	**P1 UC-MAG 5**	**5146118**	1



UC1U-TM 5 ...

For terminal block width 5.2 mm, with offset foot



UC1-TM 6 ...

For terminal width 6.2 mm



UC1-TM 8 ...

For terminal width 8.2 mm

96	80	64
12	10	8
PA	PA	PA
V2	V2	V2
-40 ... 120	-40 ... 120	-40 ... 120
DIN EN 61010-1 (VDE 0411-1)	DIN EN 61010-1 (VDE 0411-1)	DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen	Free from silicone and halogen	Free from silicone and halogen

Type	Order No.	Pcs. / Pkt.
UC1U-TM 5	**0821302**	10
UC1U-TM 5 CUS	**0824521**	1
P1 UC-MAG 5	**5146118**	1

Type	Order No.	Pcs. / Pkt.
UC1-TM 6	**0821247**	10
UC1-TM 6 RD	**0828190**	10
UC1-TM 6 OG	**0828191**	10
UC1-TM 6 YE	**0828192**	10
UC1-TM 6 BU	**0828193**	10
UC1-TM 6 GN	**0828194**	10
UC1-TM 6 CUS	**0824509**	1
UC1-TM 6 RD CUS	**0828323**	1
UC1-TM 6 OG CUS	**0828324**	1
UC1-TM 6 YE CUS	**0828325**	1
UC1-TM 6 BU CUS	**0828326**	1
UC1-TM 6 GN CUS	**0828327**	1
P1 UC-MAG 5	**5146118**	1

Type	Order No.	Pcs. / Pkt.
UC1-TM 8	**0821739**	10
UC1-TM 8 RD	**0828195**	10
UC1-TM 8 OG	**0828196**	10
UC1-TM 8 YE	**0828197**	10
UC1-TM 8 BU	**0828198**	10
UC1-TM 8 GN	**0828199**	10
UC1-TM 8 CUS	**0824511**	1
UC1-TM 8 RD CUS	**0828328**	1
UC1-TM 8 OG CUS	**0828329**	1
UC1-TM 8 YE CUS	**0828330**	1
UC1-TM 8 BU CUS	**0828331**	1
UC1-TM 8 GN CUS	**0828332**	1
P1 UC-MAG 5	**5146118**	1

Terminal marking



UniCard Terminal Marker Flat UC1-TMF... terminal markers are used for labeling the terminal blocks, modules and connectors from other manufacturers, which have a corresponding groove. The bars of the UniCard sheets as well as the lateral frames offer extra space for functional texts.

See page 522 for an overview of terminal blocks that can be marked.

[1]) For ordering example, see page 601.

Can be printed with:



BLUEMARK



CMS-P1-PLOTTER



UC1-TMF 4 ...

For terminal width 4.2 mm

General data		
Number of individual labels		120
Number of individual labels per strip		15
Material		PA
Inflammability class acc. to UL 94		V2
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
UniCard sheet, for labeling third party terminal makes, can be labeled with BLUEMARK and CMS-P1-PLOTTER				
	White	**UC1-TMF 4**	**0821360**	10
	Red	**UC1-TMF 4 RD**	**0828200**	10
	Orange	**UC1-TMF 4 OG**	**0828201**	10
	Yellow	**UC1-TMF 4 YE**	**0828202**	10
	Blue	**UC1-TMF 4 BU**	**0828203**	10
	Green	**UC1-TMF 4 GN**	**0828204**	10
UniCard sheet, for labeling third party terminal makes, **labeled as per customer specifications**[1])				
	White	**UC1-TMF 4 CUS**	**0824513**	1
	Red	**UC1-TMF 4 RD CUS**	**0828333**	1
	Orange	**UC1-TMF 4 OG CUS**	**0828334**	1
	Yellow	**UC1-TMF 4 YE CUS**	**0828335**	1
	Blue	**UC1-TMF 4 BU CUS**	**0828336**	1
	Blue	**UC1-TMF 4 BU CUS**	**0828337**	1

Accessories

Plastic magazine, for CMS-P1-PLOTTER, for accommodating: UC-TMF ..., UC1-TMF ..., UC2F-TM ..., UC-WMT ...			
For accommodating UC-TMF..., UC1-TMF..., UC2F-TM..., UC-WMT...	**P1 UC-MAG 4**	**5146105**	1



UC1-TMF 5 ...

For terminal width 5.2 mm



UC1-TMF 6 ...

For terminal width 6.2 mm



UC1-TMF 8 ...

For terminal width 8.2 mm

96	80	64
12	10	8
PA	PA	PA
V2	V2	V2
-40 ... 120	-40 ... 120	-40 ... 120
DIN EN 61010-1 (VDE 0411-1)	DIN EN 61010-1 (VDE 0411-1)	DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen	Free from silicone and halogen	Free from silicone and halogen

Type	Order No.	Pcs. / Pkt.
UC1-TMF 5	**0821425**	10
UC1-TMF 5 RD	**0828205**	10
UC1-TMF 5 OG	**0828206**	10
UC1-TMF 5 YE	**0828127**	10
UC1-TMF 5 BU	**0828207**	10
UC1-TMF 5 GN	**0828208**	10
UC1-TMF 5 CUS	**0824515**	1
UC1-TMF 5 RD CUS	**0828338**	1
UC1-TMF 5 OG CUS	**0828339**	1
UC1-TMF 5 YE CUS	**0828340**	1
UC1-TMF 5 BU CUS	**0828341**	1
UC1-TMF 5 GN CUS	**0828342**	1
P1 UC-MAG 4	**5146105**	1

Type	Order No.	Pcs. / Pkt.
UC1-TMF 6	**0821483**	10
UC1-TMF 6 RD	**0828209**	10
UC1-TMF 6 OG	**0828210**	10
UC1-TMF 6 YE	**0828211**	10
UC1-TMF 6 BU	**0828212**	10
UC1-TMF 6 GN	**0828213**	10
UC1-TMF 6 CUS	**0824517**	1
UC1-TMF 6 RD CUS	**0828343**	1
UC1-TMF 6 OG CUS	**0828344**	1
UC1-TMF 6 YE CUS	**0828345**	1
UC1-TMF 6 BU CUS	**0828346**	1
UC1-TMF 6 GN CUS	**0828347**	1
P1 UC-MAG 4	**5146105**	1

Type	Order No.	Pcs. / Pkt.
UC1-TMF 8	**0821548**	10
UC1-TMF 8 RD	**0828214**	10
UC1-TMF 8 OG	**0828215**	10
UC1-TMF 8 YE	**0828216**	10
UC1-TMF 8 BU	**0828217**	10
UC1-TMF 8 GN	**0828218**	10
UC1-TMF 8 CUS	**0824519**	1
UC1-TMF 8 RD CUS	**0828348**	1
UC1-TMF 8 OG CUS	**0828349**	1
UC1-TMF 8 YE CUS	**0828350**	1
UC1-TMF 8 BU CUS	**0828351**	1
UC1-TMF 8 GN CUS	**0828352**	1
P1 UC-MAG 4	**5146105**	1

Terminal marking



The UniCard Terminal Marker UC2-TM... terminal markers make it possible to mark terminal blocks from other manufacturers. The ability to separate entire labeling strips saves time during assembly. UniCard sheets additionally provide sufficient space for functional texts.

See page 522 for an overview of terminal blocks that can be marked.

[1]) For ordering example, see page 601.

Can be printed with:



BLUEMARK



CMS-P1-PLOTTER



UC2-TM 4 ...

For terminal width 4.2 mm

General data	
Number of individual labels	120
Number of individual labels per strip	15
Material	PA
Inflammability class acc. to UL 94	V2
Temperature range [°C]	-40 ... 120
Wipe resistance	DIN EN 61010-1 (VDE 0411-1)
Components	Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
UniCard sheet, for labeling third party terminal makes, 120-section, can be labeled with BLUEMARK and CMS-P1-PLOTTER,	White	**UC2-TM 4**	**0821713**	10
96-section	White			
80-section	White			
64-section	White			
UniCard sheet, for labeling third party terminal makes, **labeled as per customer specifications**[1])				
120-section	White	**UC2-TM 4 CUS**	**0824533**	1
96-section	White			
80-section	White			
64-section	White			

Accessories

Plastic magazine, for CMS-P1-PLOTTER, for accommodating: UC1-TM ..., UC1U-TM ..., UC2-TM...			
For accommodating UC1-TM..., UC1U-TM..., UC2-TM...	**P1 UC-MAG 5**	**5146118**	1



UC2-TM 5 ...

For terminal width 5.2 mm

96	
12	
PA	
V2	
-40 ... 120	
DIN EN 61010-1 (VDE 0411-1)	
Free from silicone and halogen	

Type	Order No.	Pcs. / Pkt.
UC2-TM 5	0821690	10
UC2-TM 5 CUS	0824535	1
P1 UC-MAG 5	5146118	1



UC2-TM 6 ...

For terminal width 6.2 mm

80	
10	
PA	
V2	
-40 ... 120	
DIN EN 61010-1 (VDE 0411-1)	
Free from silicone and halogen	

Type	Order No.	Pcs. / Pkt.
UC2-TM 6	0821674	10
UC2-TM 6 CUS	0824537	1
P1 UC-MAG 5	5146118	1



UC2-TM 8 ...

For terminal width 8.2 mm

64	
8	
PA	
V2	
-40 ... 120	
DIN EN 61010-1 (VDE 0411-1)	
Free from silicone and halogen	

Type	Order No.	Pcs. / Pkt.
UC2-TM 8	0821755	10
UC2-TM 8 CUS	0824539	1
P1 UC-MAG 5	5146118	1

Terminal marking

Can be printed with:



BLUEMARK



CMS-P1-PLOTTER



UC2F-TM 4 ...

For terminal width 4.2 mm



The UniCard Terminal Marker Flat UC2F-TM... terminal markers are used for labeling terminal blocks, modules and connectors from other manufacturers that have a corresponding groove. The bars of the UniCard sheets as well as the lateral frames offer extra space for functional texts.

See page 522 for an overview of terminal blocks that can be marked.

[1]) For ordering example, see page 601.

General data		
Number of individual labels		120
Number of individual labels per strip		15
Material		PA
Inflammability class acc. to UL 94		V2
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
UniCard sheet, for labeling third party terminal makes, 120-section, can be labeled with BLUEMARK and CMS-P1-PLOTTER,	White	**UC2F-TM 4**	**0822178**	10
96-section	White			
80-section	White			
64-section	White			
UniCard sheet, for labeling third party terminal makes, **labeled as per customer specifications**[1])				
120-section	White	**UC2F-TM 4 CUS**	**0824525**	1
96-section	White			
80-section	White			
64-section	White			

Accessories

Plastic magazine, for CMS-P1-PLOTTER, for accommodating: UC-TMF ..., UC1-TMF ..., UC2F-TM ..., UC-WMT ... For accommodating UC-TMF..., UC1-TMF..., UC2F-TM..., UC-WMT...	**P1 UC-MAG 4**	**5146105**	1



UC2F-TM 5 ...

For terminal width 5.2 mm

96	
12	
PA	
V2	
-40 ... 120	
DIN EN 61010-1 (VDE 0411-1)	
Free from silicone and halogen	

Type	Order No.	Pcs. / Pkt.
UC2F-TM 5	**0822181**	10
UC2F-TM 5 CUS	**0824527**	1
P1 UC-MAG 4	**5146105**	1



UC2F-TM 6 ...

For terminal width 6.2 mm

80	
10	
PA	
V2	
-40 ... 120	
DIN EN 61010-1 (VDE 0411-1)	
Free from silicone and halogen	

Type	Order No.	Pcs. / Pkt.
UC2F-TM 6	**0822194**	10
UC2F-TM 6 CUS	**0824529**	1
P1 UC-MAG 4	**5146105**	1



UC2F-TM 8 ...

For terminal width 8.2 mm

64	
8	
PA	
V2	
-40 ... 120	
DIN EN 61010-1 (VDE 0411-1)	
Free from silicone and halogen	

Type	Order No.	Pcs. / Pkt.
UC2F-TM 8	**0822204**	10
UC2F-TM 8 CUS	**0824531**	1
P1 UC-MAG 4	**5146105**	1

Terminal marking

Can be printed with:



BLUEMARK



CMS-P1-PLOTTER



UC3-TM 5 ...

For terminal width 5.2 mm



The UniCard Terminal Marker Flat UC3-TM... terminal markers are used for labeling terminal blocks, modules and connectors from other manufacturers that have a corresponding groove. The bars of the UniCard sheets as well as the lateral frames offer extra space for functional texts.

See page 522 for an overview of terminal blocks that can be marked.

[1]) For ordering example, see page 601.

General data		
Number of individual labels		96
Number of individual labels per strip		12
Material		PA
Inflammability class acc. to UL 94		V2
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
UniCard sheet, for labeling third party terminal makes, 96-section, can be labeled with BLUEMARK and CMS-P1-PLOTTER,	White	**UC3-TM 5**	**0822369**	10
80-section	White			
64-section	White			
UniCard sheet, for labeling third party terminal makes, **labeled as per customer specifications**[1])				
96-section	White	**UC3-TM 5 CUS**	**0826888**	1
80-section	White			
64-section	White			

Accessories

Plastic magazines, for CMS-P1-PLOTTER, for accommodating: UC-TM ... UC-TMN ..., UC3-TM..., UC-WMC 1,9..., UC-WMC 3,1..., UC-WMTBA ..., UC-EM (17,5x9), UC-EM (18x8), UC-EM (21x8)	**P1 UC-MAG 1**	**5146079**	1



UC3-TM 6 ...

For terminal width 6.2 mm

80	
10	
PA	
V2	
-40 ... 120	
DIN EN 61010-1 (VDE 0411-1)	
Free from silicone and halogen	

Type	Order No.	Pcs. / Pkt.
UC3-TM 6	**0822385**	10
UC3-TM 6 CUS	**0826889**	1
P1 UC-MAG 1	**5146079**	1



UC3-TM 8 ...

For terminal width 8.2 mm

64	
8	
PA	
V2	
-40 ... 120	
DIN EN 61010-1 (VDE 0411-1)	
Free from silicone and halogen	

Type	Order No.	Pcs. / Pkt.
UC3-TM 8	**0822408**	10
UC3-TM 8 CUS	**0826890**	1
P1 UC-MAG 1	**5146079**	1



		UC1U-TM 5	UC1-TM 5	UC1-TM 6	UC1-TM 8	UC1-TMF 4	UC1-TMF 5	UC1-TMF 6	UC1-TMF 8
UniCard sheet, white, standard length (L = 120 mm)		0821302	0821784	0821247	0821739	0821360	0821425	0821483	0821548
	Pitch	5	5	6	8	4	5	6	8
Screw terminal blocks									
AKZ 1,5/AKZ 2,5	5	■				■	■		
AKZ 4/AKE 4	6					■	■	■	
DLD(A)2,5.../MAK 2,5/VLI 2,5	6					■	■	■	
SAK 10/16/35/95//EK 10/16/35	5		■			■	■		
SAK 2,5/4//EK 2,5/4	6		■	■		■	■	■	
SAKS.../SAK 6//EK 6	8		■	■	■	■	■	■	■
WDK 2,5/4...	5	■				■	■		
WDL 2,5...	6		■	■		■	■	■	
WDT...	5		■			■	■	■	
WDU (WPE) 1,5/2,5...	5		■			■	■		
WDU (WPE) 4...	6		■	■		■	■	■	
WDU (WPE) 6-240...	8		■	■	■	■	■	■	■
WF...	8		■	■	■	■	■	■	■
WFF...	6		■	■		■	■	■	
WNT 2,5	5		■			■	■		
WNT 4	6		■	■		■	■	■	
WNT 6-WNT 70N	8		■	■	■	■	■	■	■
WSI 4	6		■	■		■	■		
WSI 6	6		■	■		■	■	■	
WTL 4/6	6		■	■		■	■	■	
WTR 2,5...	5		■			■	■		
WTR 4...	6		■	■		■	■	■	

■ **The pitch of the terminal block corresponds to the width of the label**

■ **The pitch of the terminal block is greater than the width of the label**



		UC1U-TM 5	UC1-TM 5	UC1-TM 6	UC1-TM 8	UC1-TMF 4	UC1-TMF 5	UC1-TMF 6	UC1-TMF 8
UniCard sheet, white, standard length (L = 120 mm)		0821302	0821784	0821247	0821739	0821360	0821425	0821483	0821548
	Pitch	5	5	6	8	4	5	6	8
Spring-cage terminal blocks									
ZDK 2,5 (PE).../ZDLD 2,5.../ZMAK 2,5	5	■				■	■		
ZDK 4 (PE)...	6					■	■	■	
ZDK 6/S	8					■	■	■	■
ZDL 2,5/S.../ZDL 4/S...	5					■	■		
ZDT 2,5 (PE).../ZT (PE) 2,5.../ZP 2,5...	5	■				■	■		
ZDU (ZPE) 10...- ZDU (ZPE) 35/ZEI 16...	5	■				■	■		
ZDU (ZPE) 2,5...	5	■				■	■		
ZDU (ZPE) 4...	6		■	■		■	■	■	
ZDU (ZPE) 6.../ZEI 6	8		■	■		■	■	■	■
ZNT 2,5/10/16/35...	5		■			■	■		
ZNT 4	6		■	■		■	■	■	
ZNT 6	8		■	■	■	■	■	■	■
ZPV 1,5.../ZIA 1,5.../ZVL 1,5...	5					■	■		
ZSI 2,5.../ZSI 6...	5		■			■	■		
ZSI 6-2/FC	6		■	■		■	■	■	
ZT (PE) 4.../ZP 4...	6		■	■		■	■		
ZDT 6/ZTL 6	6		■	■		■	■	■	■
ZTR 2,5.../ZDTR 2,5.../ZDL 2,5...	5	■				■	■		
IDC terminal blocks									
IDU (IPE 1,5) N.../ITR 1,5 N.../IDK 1,5 N (PE)...	5		■			■	■		
IDU (IPE) 2,5 N.../ITR 2,5 N...	6		■	■		■	■	■	
IT 1,5.../IEK 1,5 N (PE).../ IAK 1,5 N.../IIK 1,5 N...	5		■			■	■		
Push-In terminal blocks									
PDL 4...	5	■				■	■		
PDU (PPE) 2,5/4.../PDK 2,5/4 (PE)...	5		■			■	■		
PDU (PPE) 6/10.../PDU (PPE) 16.../PEI 16...	8		■	■	■	■	■	■	■
PNT 2,5/4	5		■			■	■		
PNT 6/10/16	8		■	■	■	■	■	■	■

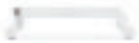


		UC2-TM 4	UC2-TM 5	UC2-TM 6	UC2-TM 8	UC1-TMF 4	UC1-TMF 5	UC1-TMF 6	UC1-TMF 8
UniCard sheet, white, standard length (L = 120 mm)		0821713	0821690	0821674	0821755	0821360	0821425	0821483	0821548
	Pitch	4	5	6	8	4	5	6	8
Spring-cage terminal blocks									
2001...	4	■				■			
2002..., 2003...	5	▒	■			▒	■		
2004..., 2005..., 2006...	6	▒	▒	■		▒	▒	■	
2010..., 2016...	8	▒	▒	▒	■	▒	▒	▒	■
261..., 264...	6					▒	▒	■	
270...	5					▒	■		
279...	4	■							
280...	5	▒	■						
280-8...	5					▒	■		
281...	6	▒	▒	■					
282..., 283..., 284..., 285...	8	▒	▒	▒	■				
290...	5	▒	■						
727...	6	▒	▒	■					
769...	5					▒	■		
775..., 776..., 777...	6	▒	▒	■					
780...	5	▒	■						
781...	6	▒	▒	■					
782..., 783..., 784..., 785...	8	▒	▒	▒	■				
869..., 870..., 880...	5	▒	■			▒	■		

■ The pitch of the terminal block corresponds to the width of the label

▒ The pitch of the terminal block is greater than the width of the label





UniCard sheet, white, standard length (L = 120 mm)	Pitch	UC2F-TM 5 0822181	UC2F-TM 6 0822194	UC2F-TM 8 0822204	UC1-TMF 4 0821360	UC1-TMF 5 0821425	UC1-TMF 6 0821483	UC1-TMF 8 0821548
		5	6	8	4	5	6	8
Screw terminal blocks								
M(A) 2,5/5...	5	■						
M 4/6...	6	■	■					
M 6/8	8	■	■	■				
M 10/10, M 16/12, M 35/16, M 70/22, M 95/22	8	■	■	■				
D 150/31..., D 240/36...	8	■	■	■				
D 4/6 NTLP	6				■	■	■	
MA 2,5/5.NT	5	■						
M 4/6.NT	6	■	■					
M 6/8.NT	8	■	■	■				
M 10/10.NT, M 16/12.NT, M 35/16.	8	■	■	■				
Spring-cage terminal blocks								
D 1,5/4... 2 L, D 1,5/4.../4 L	4							
D 2,5/5... 2 L, D 2,5/5... 3 L, D 2,5/5... 4 L	5	■						
D 4/6... 2 L, D 4/6... 3 L, D 4/6... 4 L	6	■	■					
D 6/8... 2 L	8	■	■	■				
D 10/10... 2 L, D 16/12... 2 L, D 35/16... 2 L	8	■	■	■				
D 2,5/5.NT.L	5	■						
D 4/6.NT.L	6	■	■					
D 6/8.NL.L	8	■	■	■				
D 10/10.NZ.L., D 16/12.NT.L, D 35/16NT.L.	8	■	■	■				
D 2,5/5.N...	5				■	■		
IDC terminal blocks								
D 1,5... ADO	5	■						
D 1,5/6... ADO	6	■	■					
D 2,5/8... ADO, D 4/8... ADO	8	■	■	■				
D 1,5/6.NT.ADO	6	■	■					
D 2,5/8.NT.ADO	8	■	■	■				
D 2,5/5... ADO	5	■						
D 4/6... ADO	6	■	■					
D 6/8... ADO, D 6/8.ADO3	8	■	■	■				




		UC-TM 4	UC-TM 5	UC3-TM 5	UC3-TM 6	UC3-TM 8
UniCard sheet, white, standard length (L = 120 mm)		0818111	0818108	0822369	0822385	0822408
	Pitch	4	5	5	6	8
Screw terminal blocks						
9700 A/5...	5			■		
9700 A/6...	6			■	■	■
9700 A/8...	8			■	■	■
9700 A/10...	10			■	■	■
9700 A/12...	12			■	■	■
9700 A/16...	16			■	■	■
9700 A/6 ETK...	6			■	■	■
9700 A/8 ETK...	8			■	■	■
9700 A/10 ETK...	10			■	■	■
WK(M) 2,5...	5			■		
WK 4..., WKI 4..., WKM 4...	6			■	■	
WK 6...	8			■	■	
WKN 10..., WKI 10...	10			■	■	■
WKN 16..., WKI 16...	12			■	■	■
WKN 35..., WKI 35...	16			■	■	■
WKN 70...	24			■	■	■
WKN 70...	28			■	■	■
9785 U/..., 9786 U/...	12			■	■	

■ **The pitch of the terminal block corresponds to the width of the label**

■ **The pitch of the terminal block is greater than the width of the label**




		UC-TM 4	UC-TM 5	UC3-TM 5	UC3-TM 6	UC3-TM 8
UniCard sheet, white, standard length (L = 120 mm)		0818111	0818108	0822369	0822385	0822408
	Pitch	4	5	5	6	8
Spring-cage terminal blocks						
WKF 1,5...	4					
WKF 1,5 KOI..., WKF 1,5 KOA...	5					
WK(I)F 2,5..., WKFN 2,5...	5					
WKF 4..., WKFN 4...	6					
WKF 6...	8					
WKF 10...	10					
WK(I)F 16...	12					
WKF 35...	16					
Fast connection terminal blocks						
WKC 1...	5					
WKC 2,5...	6					
WKF 16...WKC	12					







		UC1-TM 5	UC1-TM 6	UC1-TM 8	UC1-TMF 4	UC1-TMF 5	UC1-TMF 6	UC1-TMF 8
UniCard sheet, white, standard length (L = 120 mm)		0821784	0821247	0821739	0821360	0821425	0821483	0821548
	Pitch	5	6	8	4	5	6	8
Spring-cage terminal blocks								
Z(S)RK 2,5..., ZSL 2,5...	5							
ZRK 4..., ZSL 4...	6							
ZRK (ZSL) 6..., ZRK (ZSL) 10..., ZRK (ZSL) 16...	8							
ZRKD 2,5..., ZSLD 2,5...	5							
ZIKD 2,5..., ZVMAK 2,5...	5							
ZTRK 2,5...	5							
ZIZA 1,5...	5							
ZS...	5							
Push-in terminal blocks								
FRK 1,5.../FSL 1,5...	4							
FRK 2,5.../FSL 2,5...	5							
FRK 4.../FSL 2,5...	6							
FRKD 2,5.../FSLD 2,5...	5							
FDLIS 2,5...	5							
FTRK 2,5...	5							
HSK...	8							

The pitch of the terminal block corresponds to the width of the label

The pitch of the terminal block is greater than the width of the label





		UC1-TM 5	UC1-TM 6	UC1-TM 8	UC1-TMF 4	UC1-TMF 5	UC1-TMF 6	UC1-TMF 8
UniCard sheet, white, standard length (L = 120 mm)		0821784	0821247	0821739	0821360	0821425	0821483	0821548
	Pitch	5	6	8	4	5	6	8
Screw terminal blocks								
RK 1,5-4...	6				■	■	■	
RK 2,5...	5	■			■	■		
RK 2,5-4...	6	■	■		■	■	■	
RK 6-10.../16.../35...	8	■	■	■	■	■	■	■
RK 50...-RK 240...	8	■	■	■	■	■	■	■
SL...	5	■			■	■		
RKD 2,5...	5				■	■		
RKD 4...	6				■	■	■	
DLI 2,5..., VMAK 2,5...	6				■	■	■	
IK (D) 2,5...	5				■	■		
TRK 1,5...	5	■			■	■		
TK.../STK...	8				■	■	■	■
PTK...	8	■	■	■	■	■	■	■
SIK 10...	8	■	■	■	■	■	■	■
STK...	6				■	■	■	
SK...	8				■	■	■	■
TSK 2,5	5	■			■	■		
FF.../SF...	6	■	■		■	■	■	
DLIS.../DLI...	6				■	■	■	
NT...	6	■	■		■	■	■	
RKA 2,5...	5				■	■		
RKA 4...	6				■	■	■	
RKA 10...	8				■	■	■	■
RKB 4...	5				■	■		
KBL 2,5...	5	■			■	■		
KBL 2,5-4...	6	■	■		■	■	■	
KBL 6-10...	8	■	■	■	■	■	■	■



		UC1U-TM 5	UC1-TM 5	UC1-TM 6	UC1-TM 8	UC1-TMF 4	UC1-TMF 5	UC1-TMF 6	UC1-TMF 8
UniCard sheet, white, standard length (L = 120 mm)		0821302	0821784	0821247	0821739	0821360	0821425	0821483	0821548
	Pitch	5	5	6	8	4	5	6	8
Screw terminal blocks									
AVK 2,5/PEK 2,5 K/WGT 2,5	5								
AVK 4.../AVK 2,5/4T/PEK 2,5/PEK 4/ WGT 4	6								
AVK 6-240/PEK 6-35	8								
AVK 6/10T-16/35T//WGT 6/WGT 10	8								
PIK 2,5...	5								
PIK 4...	6								
PIK 3...	6								
ASK 2	8								
ASK 3	6								
ASK 4/AVK 4 FS	8								
ASK 4S/ASK 4 LD	6								
WGO...	8								
AYK 4...	6								
AYK 10...	8								
MVK 2,5 (T)	5								
MVK 4 (T)	6								
Spring-cage terminal blocks									
YBK 2,5 (T)	5								
YBK 4 (T)	6								
YBK 6 (T) (YBK 10 (T)	8								
MYK 2,5 (T).../MYPPK 2,5...	5								
YBK 2,5 F.../YBK 3...	5								
YBK 4...	6								
YBK S.../YBK I...	8								
YBK 2,5 A.../YBK 2,5 E.../YBK 2,5 C...	5								
PCY 2,5...	5								

The pitch of the terminal block corresponds to the width of the label

The pitch of the terminal block is greater than the width of the label



		UC3-TM 5	UC3-TM 6	UC3-TM 8
UniCard sheet, white, standard length (L = 120 mm)		0822369	0822385	0822408
	Pitch	5	6	8
Screw terminal blocks, Viking 2				
39060	5			
39061-39068	6			
39070	6			
39077	5			
39078, 39080, 39082	6			
39084, 39085	6			
39300	5			
39301-39305	6			
39307	6			
39370	5			
39371, 39372, 39374	6			
39376, 39378	6			
Spring-cage terminal blocks, Viking 3				
39601, 39602	5			
39604	6			
39605	8			
39606, 39607	8			
39608	6			
39627	5			
39628, 39636	6			
39611, 39612	5			
39614	6			
39615	8			
39616, 39617	8			
39618, 39646	6			
39621	5			
39624	6			
39625	8			
39626, 39629	8			
39622	5			
39630, 39666	6			



Clear marking of all conductors and cables considerably improves the transparency in control cabinets and switchgear. This makes assembly and maintenance work easier and helps in rectifying faults.

Standard-compliant and permanent conductor marking is not a luxury, but rather a quality standard for modern, high-quality capital goods that is demanded by customers.

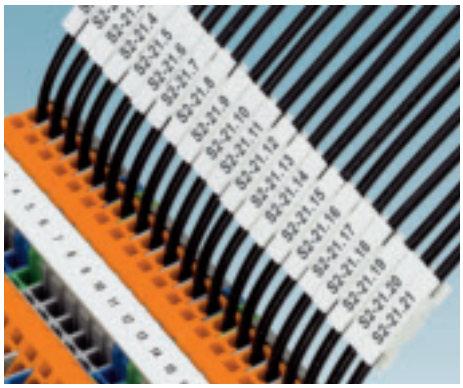
Conductor and cable marking systems from Phoenix Contact offer every user an optimum marking option irrespective of whether the user wants to thread, slide, clip or glue on his/her conductor marking or mount it with cable binders.

Depending on the material, the following printers can be used for the individual labeling of the conductor and cable markers:

– BLUEMARK for the labeling of markers on UniCard sheets
– THERMOMARK S1 and THERMOMARK X1 for markers on roll
– THERMOMARK W2 for two-sided printing and perforation of shrink sleeves as continuous media
– Plotters for the labeling of sheets and sheet material
– Commercially available desktop laser printers for the labeling of insert strips on DIN A4 sheets

For effective production of elaborate marking, the marking data can be processed directly from the circuit diagram using the CLIP PROJECT software. The data is transferred to the output devices such as BLUEMARK, thermal transfer printers or plotters.

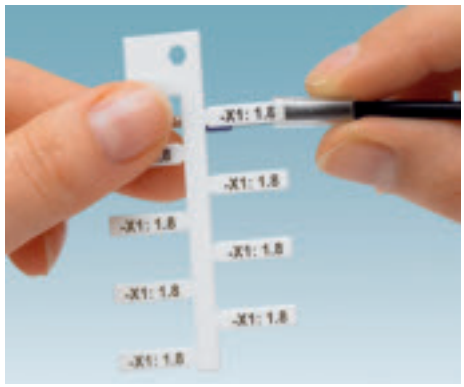
If output devices are not available or in the case of capacity shortage in your production facility, you can also consult our Labeling Service. We will be glad to accept your printing orders. This also includes engraving or laser marking of high-grade steel cable markers.



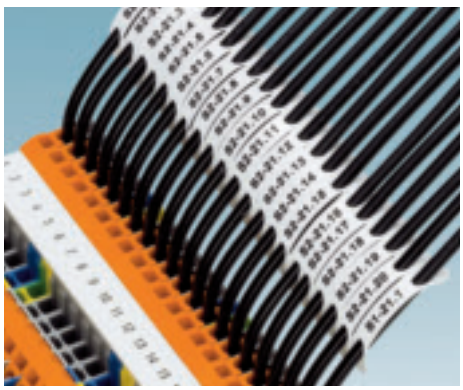
Snap-on markers are ideal for later labeling of conductors and cables. The marking is always legible thanks to the two labeling surfaces. The markers are labeled using BLUEMARK or a plotter.



The UC-WMTBA conductor markers can be mounted on conductors and cables using commercially available cable binders almost irrespectively of the diameter. The large labeling surface provides sufficient space for comprehensive labeling.



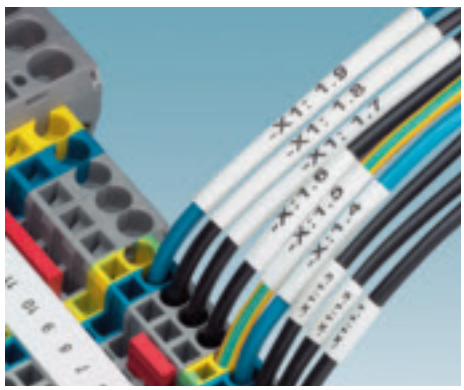
UC-WMT markers can be used to label conductors along with the CARRIER/PATG/PATO insert sleeves. The labeled markers are pushed into the appropriate sleeve and are thus protected against ambient influences.



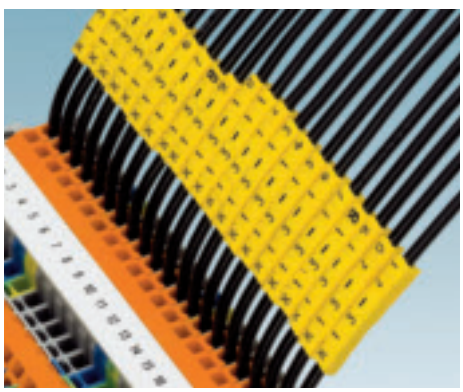
As reasonably priced alternatives for conductor and cable marking, highly tear-resistant polyester foils can be printed using thermal transfer printers. The markers are pushed directly onto the conductor or attached with cable binders.



The cable marking labels consist of a labeling field and a transparent foil that protects the labeling from abrasion and contamination. They are available in different sizes for labeling using thermal transfer or laser printers.



The shrink sleeves are offered pre-assembled on a roll. The THERMOMARK X1.2 and W2 printers can be used to print and perforate continuous shrink sleeves in one step.



The markers labeled with a single character are a simple labeling option for conductors of up to 16 mm Ø. The desired labeling is achieved by the combination when it is pushed onto the conductor. Its special shape prevents the individual markers from twisting.



Phoenix Contact offers high-grade steel markers for especially corrosive environments or conductors that are laid in the ground. Labeling can be done using lasers, or by engraving or embossing.



The plastic cable markers are ideal for the bundling and labeling of conductors and cables. The screw cap protects the labeling from contamination. Replacing the insert labels is possible without changing the marker carriers.

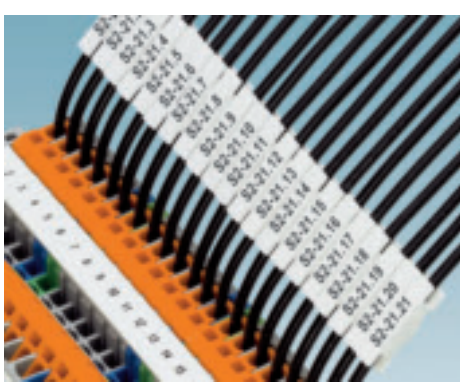
Conductor marking for clipping on



UniCard conductor markers enable you to label all conductors from control lines to large-diameter cable sheaths. The captive conductor markers are designed as clips, so that they can also be attached after the wiring has been completed. They are simply attached with one hand and are always clearly legible thanks to their two labeling areas.

For more variants, see www.phoenixcontact.de/eshop.

[1]) For ordering example, see page 601.



Can be printed with:



BLUEMARK



CMS-P1-PLOTTER



UC-WMC 1,9 (15X4) ...

General data		
Number of individual labels		20
Number of individual labels per strip		4
Material		PA
Inflammability class acc. to UL 94		V2
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen
Conductor diameter range	[mm]	1.2 - 1.9
Conductor cross-section range	[mm²]	0.25 ... 0.34
Conductor cross-section range	AWG	24 ... 22

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
UniCard sheet, for subsequent labeling of conductors, can be labeled with BLUEMARK and CMS-P1-PLOTTER				
Lettering field size: 15 x 4 mm	White	**UC-WMC 1,9 (15X4)**	**0828004**	10
	Red	**UC-WMC 1,9 (15X4) RD**	**0828006**	10
	Orange	**UC-WMC 1,9 (15X4) OG**	**0828007**	10
	Yellow	**UC-WMC 1,9 (15X4) YE**	**0828008**	10
	Violet	**UC-WMC 1,9 (15X4) VT**	**0828009**	10
	Blue	**UC-WMC 1,9 (15X4) BU**	**0828010**	10
Lettering field size: 23 x 4 mm	White			
	Red			
	Orange			
	Yellow			
	Violet			
	Blue			
Lettering field size: 30 x 4 mm	White			
	Red			
	Orange			
	Yellow			
	Violet			
	Blue			
UniCard sheet, for subsequent labeling of conductors, **labeled according to customer requirements**[1])				
Lettering field size: 15 x 4 mm	White	**UC-WMC 1,9 (15X4) CUS**	**0828012**	1
	Red	**UC-WMC 1,9 (15X4) RD CUS**	**0828013**	1
	Orange	**UC-WMC 1,9 (15X4) OG CUS**	**0828014**	1
	Yellow	**UC-WMC 1,9 (15X4) YE CUS**	**0828015**	1
	Violet	**UC-WMC 1,9 (15X4) VT CUS**	**0828016**	1
	Blue	**UC-WMC 1,9 (15X4) BU CUS**	**0828017**	1
Lettering field size: 23 x 4 mm	White			
	Green			
	Orange			
	Yellow			
	Violet			
	Blue			
Lettering field size: 30 x 4 mm	White			
	Red			
	Orange			
	Yellow			
	Violet			
	Blue			

Accessories

Plastic magazines, for CMS-P1-PLOTTER, for accommodating: UC-TM ... UC-TMN ..., UC3-TM..., UC-WMC 1,9..., UC-WMC 3,1..., UC-WMTBA ..., UC-EM (17,5x9), UC-EM (18x8), UC-EM (21x8)	**P1 UC-MAG 1**	**5146079**	1



UC-WMC 3,1 (15X4) ...



UC-WMC 3,1 (23X4) ...



UC-WMC 3,1 (30X4) ...

20	12	12
4	4	4
PA	PA	PA
V2	V2	V2
-40 ... 120	-40 ... 120	-40 ... 120
DIN EN 61010-1 (VDE 0411-1)	DIN EN 61010-1 (VDE 0411-1)	DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen	Free from silicone and halogen	Free from silicone and halogen
1.9 - 3.1	1.9 - 3.1	1.9 - 3.1
0.5 ... 1.5	0.5 ... 1.5	0.5 ... 1.5
20 ... 16	20 ... 16	20 ... 16

Type	Order No.	Pcs. / Pkt.
UC-WMC 3,1 (15X4)	**0818205**	10
UC-WMC 3,1 (15X4) RD	**0818755**	10
UC-WMC 3,1 (15X4) OG	**0818726**	10
UC-WMC 3,1 (15X4) YE	**0818739**	10
UC-WMC 3,1 (15X4) VT	**0825370**	10
UC-WMC 3,1 (15X4) BU	**0818742**	10
UC-WMC 3,1 (15X 4) CUS	**0824692**	1
UC-WMC 3,1 (15X 4) RD CUS	**0824696**	1
UC-WMC 3,1 (15X 4) OG CUS	**0824695**	1
UC-WMC 3,1 (15X 4) YE CUS	**0824697**	1
UC-WMC 3,1 (15X4) VT CUS	**0826773**	1
UC-WMC 3,1 (15X 4) BU CUS	**0824693**	1
P1 UC-MAG 1	**5146079**	1

Type	Order No.	Pcs. / Pkt.
UC-WMC 3,1 (23X4)	**0818218**	10
UC-WMC 3,1 (23X 4) RD	**0818807**	10
UC-WMC 3,1 (23X 4) OG	**0818771**	10
UC-WMC 3,1 (23X 4) YE	**0818784**	10
UC-WMC 3,1 (23X4) VT	**0825371**	10
UC-WMC 3,1 (23X 4) BU	**0818797**	10
UC-WMC 3,1 (23X 4) CUS	**0824704**	1
UC-WMC 3,1 (23X 4) GN CUS	**0824706**	1
UC-WMC 3,1 (23X 4) OG CUS	**0824707**	1
UC-WMC 3,1 (23X 4) YE CUS	**0824709**	1
UC-WMC 3,1 (23X4) VT CUS	**0826775**	1
UC-WMC 3,1 (23X 4) BU CUS	**0824705**	1
P1 UC-MAG 1	**5146079**	1

Type	Order No.	Pcs. / Pkt.
UC-WMC 3,1 (30X 4)	**0819631**	10
UC-WMC 3,1 (30X4) RD	**0820769**	10
UC-WMC 3,1 (30X4) OG	**0823863**	10
UC-WMC 3,1 (30X 4) YE	**0819644**	10
UC-WMC 3,1 (30X4) VT	**0825372**	10
UC-WMC 3,1 (30X4) BU	**0820756**	10
UC-WMC 3,1 (30X 4) CUS	**0824716**	1
UC-WMC 3,1 (30X4) RD CUS	**0824723**	1
UC-WMC 3,1 (30X4) OG CUS	**0824722**	1
UC-WMC 3,1 (30X 4) YE CUS	**0824717**	1
UC-WMC 3,1 (30X4) VT CUS	**0826777**	1
UC-WMC 3,1 (30X4) BU CUS	**0824720**	1
P1 UC-MAG 1	**5146079**	1

Conductor marking for clipping on

UniCard conductor markers enable you to label all conductors from control lines to large-diameter cable sheaths. The captive conductor markers are designed as clips, so that they can also be attached after the wiring has been completed. They are simply attached with one hand and are always clearly legible thanks to their two labeling areas.

[1]) For ordering example, see page 601.



UC-WMC 4,4 (15X5,5) ...

Lettering field size: 15 x 5.5 mm



UC-WMC 4,4 (23X5,5) ...

Lettering field size: 23 x 5.5 mm

General data			
Number of individual labels		15	9
Number of individual labels per strip		3	3
Material		PA	PA
Inflammability class acc. to UL 94		V2	V2
Temperature range	[°C]	-40 ... 120	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)	DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen	Free from silicone and halogen
Conductor diameter range	[mm]	2.8 - 4.4	2.8 - 4.4
Conductor cross-section range	[mm²]	1.5 ... 4	1.5 ... 4
Conductor cross-section range	AWG	16 ... 12	16 ... 12

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
UniCard sheet, for subsequent labeling of conductors, can be labeled with BLUEMARK and CMS-P1-PLOTTER							
	White	**UC-WMC 4,4 (15X 5,5)**	**0818182**	10	**UC-WMC 4,4 (23X 5,5)**	**0818195**	10
	Red	**UC-WMC 4,4 (15X 5,5) RD**	**0818852**	10	**UC-WMC 4,4 (23X 5,5) RD**	**0818904**	10
	Orange	**UC-WMC 4,4 (15X 5,5) OG**	**0818823**	10	**UC-WMC 4,4 (23X 5,5) OG**	**0818878**	10
	Yellow	**UC-WMC 4,4 (15X 5,5) YE**	**0818836**	10	**UC-WMC 4,4 (23X 5,5) YE**	**0818881**	10
	Violet	**UC-WMC 4,4 (15X5,5) VT**	**0825373**	10	**UC-WMC 4,4 (23X5,5) VT**	**0825374**	10
	Blue	**UC-WMC 4,4 (15X 5,5) BU**	**0818849**	10	**UC-WMC 4,4 (23X 5,5) BU**	**0818894**	10
	Green	**UC-WMC 4,4 (15X 5,5) GN**	**0818865**	10	**UC-WMC 4,4 (23X 5,5) GN**	**0818917**	10
UniCard sheet, for subsequent labeling of conductors, **labeled according to customer requirements**[1])							
	White	**UC-WMC 4,4 (15X 5,5) CUS**	**0824728**	1	**UC-WMC 4,4 (23X 5,5) CUS**	**0824740**	1
	Red	**UC-WMC 4,4 (15X 5,5) RD CUS**	**0824732**	1	**UC-WMC 4,4 (23X 5,5) RD CUS**	**0824744**	1
	Orange	**UC-WMC 4,4 (15X 5,5) OG CUS**	**0824731**	1	**UC-WMC 4,4 (23X 5,5) OG CUS**	**0824743**	1
	Yellow	**UC-WMC 4,4 (15X 5,5) YE CUS**	**0824733**	1	**UC-WMC 4,4 (23X 5,5) YE CUS**	**0824745**	1
	Violet	**UC-WMC 4,4 (15X5,5) VT CUS**	**0826779**	1	**UC-WMC 4,4 (23X5,5) VT CUS**	**0826781**	1
	Blue	**UC-WMC 4,4 (15X 5,5) BU CUS**	**0824729**	1	**UC-WMC 4,4 (23X 5,5) BU CUS**	**0824741**	1
	Green	**UC-WMC 4,4 (15X 5,5) GN CUS**	**0824730**	1	**UC-WMC 4,4 (23X 5,5) GN CUS**	**0824742**	1

Accessories

Plastic magazine for CMS-P1-PLOTTER, for accommodating: UC-WMC 4,4 ...							
For accommodating UC-WMC 4,4...		**P1 UC-MAG 2**	**5146082**	1	**P1 UC-MAG 2**	**5146082**	1
Plastic magazine, for CMS-P1-PLOTTER, for accommodating: UC-WMC 5,6..., UC-WMC 7,5 ...							
For accommodating UC-WMC 5,6..., UC-WMC 7,5...							



UC-WMC 4,4 (30X5,5) ...

Lettering field size: 30 x 5.5 mm

9	
3	
PA	
V2	
-40 ... 120	
DIN EN 61010-1 (VDE 0411-1)	
Free from silicone and halogen	
2.8 - 4.4	
1.5 ... 4	
16 ... 12	

Type	Order No.	Pcs. / Pkt.
UC-WMC 4,4 (30X 5,5)	**0819657**	10
UC-WMC 4,4 (30X5,5) RD	**0820882**	10
UC-WMC 4,4 (30X5,5) OG	**0823944**	10
UC-WMC 4,4 (30X 5,5) YE	**0819660**	10
UC-WMC 4,4 (30X5,5) VT	**0825375**	10
UC-WMC 4,4 (30X5,5) BU	**0820879**	10
UC-WMC 4,4 (30X5,5) GN	**0823957**	10
UC-WMC 4,4 (30X 5,5) CUS	**0824752**	1
UC-WMC 4,4 (30X5,5) RD CUS	**0824759**	1
UC-WMC 4,4 (30X5,5) OG CUS	**0824758**	1
UC-WMC 4,4 (30X 5,5) YE CUS	**0824753**	1
UC-WMC 4,4 (30X5,5) VT CUS	**0826783**	1
UC-WMC 4,4 (30X5,5) BU CUS	**0824756**	1
UC-WMC 4,4 (30X5,5) GN CUS	**0824757**	1
P1 UC-MAG 2	**5146082**	1



UC-WMC 5,6 (23X8) ...

Lettering field size: 23 x 8 mm

6	
2	
PA	
V2	
-40 ... 120	
DIN EN 61010-1 (VDE 0411-1)	
Free from silicone and halogen	
4.2 - 5.6	
4 ... 10	
12 ... 10	

Type	Order No.	Pcs. / Pkt.
UC-WMC 5,6 (23X8)	**0825382**	5
UC-WMC 5,6 (23X8) RD	**0825387**	5
UC-WMC 5,6 (23X8) OG	**0825385**	5
UC-WMC 5,6 (23X8) YE	**0825386**	5
UC-WMC 5,6 (23X8) VT	**0825388**	5
UC-WMC 5,6 (23X8) BU	**0825383**	5
UC-WMC 5,6 (23X8) GN	**0825384**	5
UC-WMC 5,6 (23X8) CUS	**0827005**	1
UC-WMC 5,6 (23X8) RD CUS	**0827009**	1
UC-WMC 5,6 (23X8) OG CUS	**0827008**	1
UC-WMC 5,6 (23X8) YE CUS	**0827011**	1
UC-WMC 5,6 (23X8) VT CUS	**0827010**	1
UC-WMC 5,6 (23X8) BU CUS	**0827006**	1
UC-WMC 5,6 (23X8) GN CUS	**0827007**	1
P1 UC-MAG 3	**5146095**	1



UC-WMC 5,6 (30X8) ...

Lettering field size: 30 x 8 mm

6	
2	
PA	
V2	
-40 ... 120	
DIN EN 61010-1 (VDE 0411-1)	
Free from silicone and halogen	
4.2 - 5.6	
4 ... 10	
12 ... 10	

Type	Order No.	Pcs. / Pkt.
UC-WMC 5,6 (30X8)	**0825396**	5
UC-WMC 5,6 (30X8) RD	**0825401**	5
UC-WMC 5,6 (30X8) OG	**0825399**	5
UC-WMC 5,6 (30X8) YE	**0825400**	5
UC-WMC 5,6 (30X8) VT	**0825402**	5
UC-WMC 5,6 (30X8) BU	**0825397**	5
UC-WMC 5,6 (30X8) GN	**0825398**	5
UC-WMC 5,6 (30X8) CUS	**0827012**	1
UC-WMC 5,6 (30X8) RD CUS	**0827016**	1
UC-WMC 5,6 (30X8) OG CUS	**0827015**	1
UC-WMC 5,6 (30X8) YE CUS	**0827018**	1
UC-WMC 5,6 (30X8) VT CUS	**0827017**	1
UC-WMC 5,6 (30X8) BU CUS	**0827013**	1
UC-WMC 5,6 (30X8) GN CUS	**0827014**	1
P1 UC-MAG 3	**5146095**	1

Conductor marking for clipping on



UniCard conductor markers enable you to label all conductors from control lines to large-diameter cable sheaths. The captive conductor markers are designed as clips, so that they can also be attached after the wiring has been completed. They are simply attached with one hand and are always clearly legible thanks to their two labeling areas.

[1]) For ordering example, see page 601.

Can be printed with:



BLUEMARK



CMS-P1-PLOTTER



UC-WMC 7,5 (23X8) ...

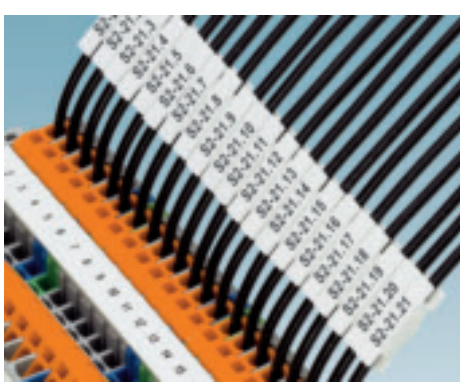
General data		
Number of individual labels		6
Number of individual labels per strip		2
Material		PA
Inflammability class acc. to UL 94		V2
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen
Conductor diameter range	[mm]	5 - 7.5
Conductor cross-section range	[mm²]	6 ... 16
Conductor cross-section range	AWG	10 ... 6

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
UniCard sheet, for subsequent labeling of conductors, can be labeled with BLUEMARK and CMS-P1-PLOTTER				
Lettering field size: 23 x 8 mm	White	**UC-WMC 7,5 (23X8)**	**0818179**	5
	Red	**UC-WMC 7,5 (23X8) RD**	**0819039**	5
	Orange	**UC-WMC 7,5 (23X8) OG**	**0818920**	5
	Yellow	**UC-WMC 7,5 (23X8) YE**	**0818933**	5
	Violet	**UC-WMC 7,5 (23X8) VT**	**0825376**	5
	Blue	**UC-WMC 7,5 (23X8) BU**	**0818946**	5
	Green	**UC-WMC 7,5 (23X8) GN**	**0818959**	5
Lettering field size: 30 x 8 mm	White			
	Red			
	Orange			
	Yellow			
	Violet			
	Blue			
	Green			
UniCard sheet, for subsequent labeling of conductors, **labeled according to customer requirements**[1])				
Lettering field size: 23 x 8 mm	White	**UC-WMC 7,5 (23X8) CUS**	**0824767**	1
	Red	**UC-WMC 7,5 (23X 8) RD CUS**	**0824764**	1
	Orange	**UC-WMC 7,5 (23X8) OG CUS**	**0824770**	1
	Yellow	**UC-WMC 7,5 (23X8) YE CUS**	**0824771**	1
	Violet	**UC-WMC 7,5 (23X8) VT CUS**	**0826785**	1
	Blue	**UC-WMC 7,5 (23X8) BU CUS**	**0824768**	1
Lettering field size: 30 x 8 mm	White			
	Red			
	Orange			
	Yellow			
	Violet			
	Blue			

Accessories

Plastic magazine, for CMS-P1-PLOTTER, for accommodating: UC-WMC 5,6..., UC-WMC 7,5 ...			
For accommodating UC-WMC 5,6..., UC-WMC 7,5...	**P1 UC-MAG 3**	**5146095**	1





UC-WMC 7,5 (30X8) ...

6	
2	
PA	
V2	
-40 ... 120	
DIN EN 61010-1 (VDE 0411-1)	
Free from silicone and halogen	
5 - 7.5	
6 ... 16	
10 ... 6	

Type	Order No.	Pcs. / Pkt.
UC-WMC 7,5 (30X8)	**0819673**	5
UC-WMC 7,5 (30X8) RD	**0820963**	5
UC-WMC 7,5 (30X8) OG	**0823724**	5
UC-WMC 7,5 (30X8) YE	**0819686**	5
UC-WMC 7,5 (30X8) VT	**0825377**	5
UC-WMC 7,5 (30X8) BU	**0820950**	5
UC-WMC 7,5 (30X8) GN	**0823708**	5
UC-WMC 7,5 (30X 8) CUS	**0824776**	1
UC-WMC 7,5 (30X8) RD CUS	**0824783**	1
UC-WMC 7,5 (30X8) OG CUS	**0824782**	1
UC-WMC 7,5 (30X 8) YE CUS	**0824777**	1
UC-WMC 7,5 (30X8) VT CUS	**0826787**	1
UC-WMC 7,5 (30X8) BU CUS	**0824780**	1

P1 UC-MAG 3	**5146095**	1

Conductor marking for cable binder assembly



The UC-WMTBA... conductor markers facilitate marking cables and conductors with a diameter of more than 4 mm.

The individual markers can be fastened using conventional cable binders. The wide temperature range allows applications in different areas. Besides, UniCard sheets provide adequate space for optional functional texts.

Cable binders can be used up to a width of 5 mm for the UC-WMTBA... For more information about cable binders, visit www.phoenixcontact.net/catalog.

[1]) For ordering example, see page 601.



Can be printed with:



BLUEMARK



CMS-P1-PLOTTER



UC-WMTBA (24X5) ...

General data		
Number of individual labels		12
Number of individual labels per strip		4
Material		PA
Inflammability class acc. to UL 94		V2
Temperature range	[°C]	-40 ... 120
Components		Free from silicone and halogen
Conductor diameter range	[mm]	- > 4

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
UniCard sheet, with cable binder assembly, can be labeled with BLUEMARK and CMS-P1-PLOTTER, 12-section				
Lettering field size: 24 x 5 mm	White	**UC-WMTBA (24X5)**	**0820426**	10
	Red	**UC-WMTBA (24X5) RD**	**0820565**	10
	Orange	**UC-WMTBA (24X5) OG**	**0825342**	10
	Yellow	**UC-WMTBA (24X5) YE**	**0820439**	10
	Violet	**UC-WMTBA (24X5) VT**	**0825344**	10
	Blue	**UC-WMTBA (24X5) BU**	**0820552**	10
	Green	**UC-WMTBA (24X5) GN**	**0825343**	10
Lettering field size: 29 x 8 mm	White			
	Red			
	Orange			
	Yellow			
	Violet			
	Blue			
	Green			
Lettering field size: 60 x 11 mm	White			
	Red			
	Orange			
	Yellow			
	Violet			
	Blue			
	Green			
UniCard sheet, for cable binder assembly, **labeled as per customer specifications**[1])				
Lettering field size: 24 x 5 mm	White	**UC-WMTBA (24X5) CUS**	**0824860**	1
	Red	**UC-WMTBA (24X5) RD CUS**	**0824862**	1
	Orange	**UC-WMTBA (24X5) OG CUS**	**0826800**	1
	Yellow	**UC-WMTBA (24X5) YE CUS**	**0824863**	1
	Violet	**UC-WMTBA (24X5) VT CUS**	**0826801**	1
	Blue	**UC-WMTBA (24X5) BU CUS**	**0824861**	1
	Green	**UC-WMTBA (24X5) GN CUS**	**0826799**	1
Lettering field size: 29 x 8 mm	White			
	Red			
	Orange			
	Yellow			
	Violet			
	Blue			
	Green			
Lettering field size: 60 x 11 mm	White			
	Red			
	Orange			
	Yellow			
	Violet			
	Blue			
	Green			

Accessories

Plastic magazines, for CMS-P1-PLOTTER, for accommodating: UC-TM ... UC-TMN ..., UC3-TM..., UC-WMC 1,9..., UC-WMC 3,1..., UC-WMTBA ..., UC-EM (17,5x9), UC-EM (18x8), UC-EM (21x8)	**P1 UC-MAG 1**	**5146079**	1



UC-WMTBA (29X8) ...



UC-WMTBA (60X11) ...

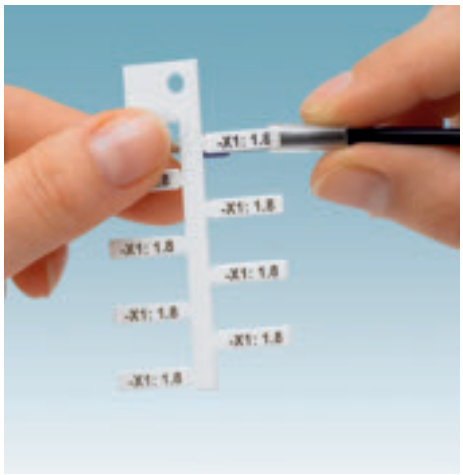
12	
4	
PA	
V2	
-40 ... 120	
Free from silicone and halogen	
6 > -	

Type	Order No.	Pcs. / Pkt.
UC-WMTBA (29X8)	**0820183**	10
UC-WMTBA (29X8) RD	**0820604**	10
UC-WMTBA (29X8) OG	**0825345**	10
UC-WMTBA (29X8) YE	**0820390**	10
UC-WMTBA (29X8) VT	**0825347**	10
UC-WMTBA (29X8) BU	**0820594**	10
UC-WMTBA (29X8) GN	**0825346**	10
UC-WMTBA (29X8) CUS	**0824868**	1
UC-WMTBA (29X8) RD CUS	**0824870**	1
UC-WMTBA (29X8) OG CUS	**0826806**	1
UC-WMTBA (29X8) YE CUS	**0824871**	1
UC-WMTBA (29X8) VT CUS	**0826807**	1
UC-WMTBA (29X8) BU CUS	**0824869**	1
UC-WMTBA (29X8) GN CUS	**0826805**	1
P1 UC-MAG 1	**5146079**	1

4	
1	
PA	
V2	
-40 ... 120	
Free from silicone and halogen	
6 > -	

Type	Order No.	Pcs. / Pkt.
UC-WMTBA (60X11)	**0820468**	10
UC-WMTBA (60X11) RD	**0820646**	10
UC-WMTBA (60X11) OG	**0825348**	10
UC-WMTBA (60X11) YE	**0820471**	10
UC-WMTBA (60X11) VT	**0825350**	10
UC-WMTBA (60X11) BU	**0820633**	10
UC-WMTBA (60X11) GN	**0825349**	10
UC-WMTBA (60X11) CUS	**0824876**	1
UC-WMTBA (60X11) RD CUS	**0824878**	1
UC-WMTBA (60X11) OG CUS	**0826812**	1
UC-WMTBA (60X11) YE CUS	**0824879**	1
UC-WMTBA (60X11) VT CUS	**0826813**	1
UC-WMTBA (60X11) BU CUS	**0824877**	1
UC-WMTBA (60X11) GN CUS	**0826811**	1
P1 UC-MAG 1	**5146079**	1

Conductor marking for marking collars



The UC-WMT UniCard Wire Marker Tags help in labeling conductors with the CARRIER-WMT or PATG/PATO system. The labeled insert strips are simply inserted into the sleeves. The marking is thus protected against contamination and wear.

In order to simplify mounting, the insert labels are arranged on UniCard sheets in such a manner that they can be separated branch for branch.

[1]) For ordering example, see page 601.

Can be printed with:



BLUEMARK



CMS-P1-PLOTTER



UC-WMT (10X4) ...

Lettering field size: 10 x 4 mm

General data		
Number of individual labels		48
Number of individual labels per strip		8
Material		PA
Inflammability class acc. to UL 94		V2
Temperature range	[°C]	-40 ... 120
Components		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
UniCard sheet, with insert strips for PATG, PATO marking collars, can be labeled with BLUEMARK and CMS-P1-PLOTTER				
	White	**UC-WMT (10X4)**	**0819372**	10
	Red	**UC-WMT (10X4) RD**	**0821001**	10
	Orange	**UC-WMT (10X4) OG**	**0823986**	10
	Yellow	**UC-WMT (10X4) YE**	**0819385**	10
	Violet	**UC-WMT (10X4) VT**	**0825360**	10
	Blue	**UC-WMT (10X4) BU**	**0820992**	10
	Green	**UC-WMT (10X4) GN**	**0823999**	10
UniCard sheet, with insert strips for marking system, **labeled according to customer requirements**[1])				
	White	**UC-WMT (10X 4) CUS**	**0824788**	1
	Red	**UC-WMT (10X 4) RD CUS**	**0824790**	1
	Orange	**UC-WMT (10X4) OG CUS**	**0824796**	1
	Yellow	**UC-WMT (10X 4) YE CUS**	**0824791**	1
	Violet	**UC-WMT (10X4) VT CUS**	**0826789**	1
	Blue	**UC-WMT (10X 4) BU CUS**	**0824789**	1
	Green	**UC-WMT (10X4) GN CUS**	**0824795**	1

Accessories

Plastic magazine, for CMS-P1-PLOTTER, for accommodating: UC-TMF ..., UC1-TMF ..., UC2F-TM ..., UC-WMT ...			
For accommodating UC-TMF..., UC1-TMF..., UC2F-TM..., UC-WMT...	**P1 UC-MAG 4**	**5146105**	1





UC-WMT (12X4) ...

Lettering field size: 12 x 4 mm



UC-WMT (15X4) ...

Lettering field size: 15 x 4 mm



UC-WMT (18X4) ...

Lettering field size: 18 x 4 mm

32	32	24
8	8	8
PA	PA	PA
V2	V2	V2
-40 ... 120	-40 ... 120	-40 ... 120
Free from silicone and halogen	Free from silicone and halogen	Free from silicone and halogen

Type	Order No.	Pcs. / Pkt.
UC-WMT (12X4)	**0823517**	10
UC-WMT (12X4) RD	**0823614**	10
UC-WMT (12X4) OG	**0823588**	10
UC-WMT (12X4) YE	**0823591**	10
UC-WMT (12X4) VT	**0825378**	10
UC-WMT (12X4) BU	**0823575**	10
UC-WMT (12X4) GN	**0823601**	10
UC-WMT (12X4) CUS	**0827033**	1
UC-WMT (12X4) RD CUS	**0827035**	1
UC-WMT (12X4) OG CUS	**0827036**	1
UC-WMT (12X4) YE CUS	**0827037**	1
UC-WMT (12X4) VT CUS	**0827038**	1
UC-WMT (12X4) BU CUS	**0827039**	1
UC-WMT (12X4) GN CUS	**0827040**	1
P1 UC-MAG 4	**5146105**	1

Type	Order No.	Pcs. / Pkt.
UC-WMT (15X4)	**0819398**	10
UC-WMT (15X4) RD	**0821043**	10
UC-WMT (15X4) OG	**0824037**	10
UC-WMT (15X4) YE	**0819408**	10
UC-WMT (15X4) VT	**0825361**	10
UC-WMT (15X4) BU	**0821030**	10
UC-WMT (15X4) GN	**0824040**	10
UC-WMT (15X 4) CUS	**0824812**	1
UC-WMT (15X 4) RD CUS	**0824814**	1
UC-WMT (15X4) OG CUS	**0824821**	1
UC-WMT (15X 4) YE CUS	**0824815**	1
UC-WMT (15X4) VT CUS	**0826791**	1
UC-WMT (15X 4) BU CUS	**0824813**	1
UC-WMT (15X4) GN CUS	**0824820**	1
P1 UC-MAG 4	**5146105**	1

Type	Order No.	Pcs. / Pkt.
UC-WMT (18X4)	**0820293**	10
UC-WMT (18X4) RD	**0821085**	10
UC-WMT (18X4) OG	**0824079**	10
UC-WMT (18X4) YE	**0820303**	10
UC-WMT (18X4) VT	**0825362**	10
UC-WMT (18X4) BU	**0821072**	10
UC-WMT (18X4) GN	**0824082**	10
UC-WMT (18X 4) CUS	**0824824**	1
UC-WMT (18X 4) RD CUS	**0824826**	1
UC-WMT (18X4) OG CUS	**0824833**	1
UC-WMT (18X 4) YE CUS	**0824827**	1
UC-WMT (18X4) VT CUS	**0826793**	1
UC-WMT (18X 4) BU CUS	**0824825**	1
UC-WMT (18X4) GN CUS	**0824832**	1
P1 UC-MAG 4	**5146105**	1

Conductor marking for marking collars

The UC-WMT UniCard Wire Marker Tags help in labeling conductors with the CARRIER-WMT or PATG/PATO system. The labeled insert strips are simply inserted into the sleeves. The marking is thus protected against contamination and wear.

In order to simplify mounting, the insert labels are arranged on UniCard sheets in such a manner that they can be separated branch for branch.

[1]) For ordering example, see page 601.



UC-WMT (23X4) ...



UC-WMT (30X4) ...

General data			
Number of individual labels		24	16
Number of individual labels per strip		8	8
Material		PA	PA
Inflammability class acc. to UL 94		V2	V2
Temperature range	[°C]	-40 ... 120	-40 ... 120
Components		Free from silicone and halogen	Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
UniCard sheet, with insert strips for PATG, PATO marking collars, can be labeled with BLUEMARK and CMS-P1-PLOTTER							
Lettering field size: 23 x 4 mm	White	**UC-WMT (23X4)**	**0819411**	10			
	Red	**UC-WMT (23X4) RD**	**0821124**	10			
	Orange	**UC-WMT (23X4) OG**	**0824118**	10			
	Yellow	**UC-WMT (23X4) YE**	**0819424**	10			
	Violet	**UC-WMT (23X4) VT**	**0825363**	10			
	Blue	**UC-WMT (23X4) BU**	**0821111**	10			
	Green	**UC-WMT (23X4) GN**	**0824121**	10			
Lettering field size: 30 x 4 mm	White				**UC-WMT (30X4)**	**0819437**	10
	Red				**UC-WMT (30X4) RD**	**0821166**	10
	Orange				**UC-WMT (30X4) OG**	**0824150**	10
	Yellow				**UC-WMT (30X4) YE**	**0819440**	10
	Violet				**UC-WMT (30X4) VT**	**0825364**	10
	Blue				**UC-WMT (30X4) BU**	**0821153**	10
	Green				**UC-WMT (30X4) GN**	**0824163**	10
UniCard sheet, with insert strips for marking system, **labeled according to customer requirements**[1])							
Lettering field size: 23 x 4 mm	White	**UC-WMT (23X4) CUS**	**0824838**	1			
	Red	**UC-WMT (23X4) RD CUS**	**0824842**	1			
	Orange	**UC-WMT (23X4) OG CUS**	**0824841**	1			
	Yellow	**UC-WMT (23X4) YE CUS**	**0824843**	1			
	Violet	**UC-WMT (23X4) VT CUS**	**0826795**	1			
	Blue	**UC-WMT (23X4) BU CUS**	**0824839**	1			
	Green	**UC-WMT (23X4) GN CUS**	**0824840**	1			
Lettering field size: 30 x 4 mm	White				**UC-WMT (30X 4) CUS**	**0824848**	1
	Red				**UC-WMT (30X4) RD CUS**	**0824855**	1
	Orange				**UC-WMT (30X4) OG CUS**	**0824854**	1
	Yellow				**UC-WMT (30X 4) YE CUS**	**0824849**	1
	Violet				**UC-WMT (30X4) VT CUS**	**0826797**	1
	Blue				**UC-WMT (30X4) BU CUS**	**0824852**	1
	Green				**UC-WMT (30X4) GN CUS**	**0824853**	1

Accessories

Plastic magazine, for CMS-P1-PLOTTER, for accommodating: UC-TMF ..., UC1-TMF ..., UC2F-TM ..., UC-WMT ...							
For accommodating UC-TMF..., UC1-TMF..., UC2F-TM..., UC-WMT...		**P1 UC-MAG 4**	**5146105**	1	**P1 UC-MAG 4**	**5146105**	1

Insert strips for marker collars



The EMT insert labels can be used to label marker carriers such as PATG and PATO. They are labeled with thermal transfer and provide high-contrast marking. They have a special shape and thus remain safe in the sleeve after insertion. The PABL material is provided for labeling with laser printer.

[1]) For ordering example, see page 601.

Can be printed with:



THERMOMARK S1...



THERMOMARK X1...

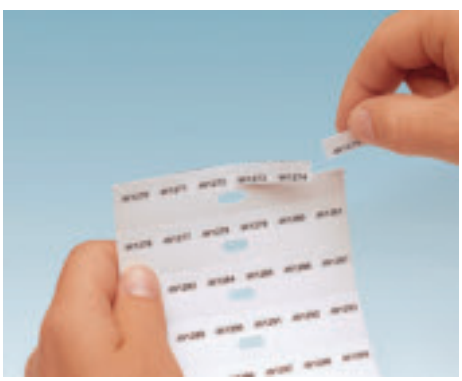


EMT ...

General data		
Material		Polyester
Temperature range	[°C]	-40 ... 100
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Insert strip for thermal transfer printer, 1 roll = 7,500 markers, lettering field size: 10 x 4 mm				
	White	**EMT (10X4)R**	**0816235**	1
Lettering field size: 15 x 4 mm, 1 roll = 7500 labels	White	**EMT (15X4)R**	**0817329**	1
	Red	**EMT (15X4)R RD**	**0816249**	1
	Yellow	**EMT (15X4)R YE**	**0817358**	1
	Blue	**EMT (15X4)R BU**	**0817332**	1
Lettering field size: 23 x 4 mm, 1 roll = 5,000 labels	White	**EMT (23X4)R**	**0817361**	1
	Yellow	**EMT (23X4)R YE**	**0817374**	1
Lettering field size: 24 x 4 mm	White	**EMT (24X4)R**	**0816265**	1
Lettering field size: 25 x 6 mm	White	**EMT (25X6)R**	**0817264**	1
Lettering field size: 29 x 8 mm, 1 roll = 5400 labels	White	**EMT (29X8)R**	**0817277**	1
Lettering field size: 29 x 8 mm	Yellow	**EMT (29X8)R YE**	**0817280**	1
Lettering field size: 40 x 17 mm, 1 roll = 2300 labels	White	**EMT (40X17)R**	**0817293**	1
Insert strips for thermal transfer printers, labeled according to customer requirements[1])				
Lettering field size: 10 x 4 mm, 6 labels per strip	White	**EMT (10X4)R CUS**	**0824374**	1
Lettering field size: 15 x 4 mm, 6 labels per strip	White	**EMT (15X4)R CUS**	**0824375**	1
	Red	**EMT (15X4)R RD CUS**	**0824377**	1
	Yellow	**EMT (15X4)R YE CUS**	**0824378**	1
	Blue	**EMT (15X4)R BU CUS**	**0824376**	1
Lettering field size: 23 x 4 mm, 4 labels per strip	White	**EMT (23X4)R CUS**	**0824379**	1
	Yellow	**EMT (23X4)R YE CUS**	**0824380**	1
Lettering field size: 24 x 4 mm, 4 labels per strip	White	**EMT (24X4)R CUS**	**0824381**	1
Lettering field size: 25 x 6 mm, 4 labels per strip	White	**EMT (25X6)R CUS**	**0824382**	1
Lettering field size: 29 x 8 mm, 3 labels per strip	White	**EMT (29X8)R CUS**	**0824383**	1
	Yellow	**EMT (29X8)R YE CUS**	**0824384**	1
Lettering field size: 40 x 17 mm, 3 labels per strip	White	**EMT (40X17)R CUS**	**0824385**	1
Insert strips for laser printer, for PATG / PATO, perforated DIN A4 sheets, lettering field size: 15 x 4 mm, 1 roll = 488 labels				
	White	**PABL 15X4**	**0808260**	10
Insert strips for laser printers, for PATG / PATO, perforated, **labeled as per customer specifications**		**PABL 15X4 CUS**	**0824449**	1



Accessories

Ink ribbon, specially for shrink sleeves Length: 300 m, width: 110 mm, printing color: Black	**THERMOMARK-RIBBON 110-WMS**	**5145397**	1

Marking collars for insert labels



The closed marking collars CARRIER-WMT ... are pushed onto the conductor before it is connected. Conductors of up to 16 mm can be marked with just four conductor diameter variants. This enables high flexibility with low logistics costs. The marking is done with suitable UC-WMT ... and EMT ... insert labels.



CARRIER-WMT ...

General data		
Material		PVC
Inflammability class acc. to UL 94		V0
Temperature range	[°C]	-30 ... 60
Components		Free from silicone and cadmium

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Conductor marker carrier, closed, **10 mm** wide				
Conductor diameter: 1.3-3.0 mm	Transparent	**CARRIER-WMT 3 (10X4,2)**	**0827212**	200
Conductor diameter: 2.5-5.0 mm	Transparent	**CARRIER-WMT 5 (10X4,2)**	**0827717**	200
Conductor diameter: 4.0-9.0 mm	Transparent	**CARRIER-WMT 10 (10X4,2)**	**0827322**	100
Conductor diameter: 8.0-16.0 mm	Transparent	**CARRIER-WMT 16 (10X4,2)**	**0827380**	50
Wire marker carrier, closed, **12 mm** wide				
Conductor diameter: 1.3-3.0 mm	Transparent	**CARRIER-WMT 3 (12X4,2)**	**0827225**	200
Conductor diameter: 2.5-5.0 mm	Transparent	**CARRIER-WMT 5 (12X4,2)**	**0827270**	200
Conductor diameter: 4.0-9.0 mm	Transparent	**CARRIER-WMT 10 (12X4,2)**	**0827335**	100
Conductor diameter: 8.0-16.0 mm	Transparent	**CARRIER-WMT 16 (12X4,2)**	**0827393**	50
Conductor marker carrier, closed, **15 mm** wide				
Conductor diameter: 1.3-3.0 mm	Transparent	**CARRIER-WMT 3 (15X4,2)**	**0827238**	200
Conductor diameter: 2.5-5.0 mm	Transparent	**CARRIER-WMT 5 (15X4,2)**	**0827283**	200
Conductor diameter: 4.0-9.0 mm	Transparent	**CARRIER-WMT 10 (15X4,2)**	**0827348**	100
Conductor diameter: 8.0-16.0 mm	Transparent	**CARRIER-WMT 16 (15X4,2)**	**0827403**	50
Wire marker carrier, closed, **18 mm** wide				
Conductor diameter: 1.3-3.0 mm	Transparent	**CARRIER-WMT 3 (18X4,2)**	**0827241**	200
Conductor diameter: 2.5-5.0 mm	Transparent	**CARRIER-WMT 5 (18X4,2)**	**0827296**	200
Conductor diameter: 4.0-9.0 mm	Transparent	**CARRIER-WMT 10 (18X4,2)**	**0827351**	100
Conductor diameter: 8.0-16.0 mm	Transparent	**CARRIER-WMT 16 (18X4,2)**	**0827416**	50
Conductor marker carrier, closed, **23 mm** wide				
Conductor diameter: 1.3-3.0 mm	Transparent	**CARRIER-WMT 3 (23X4,2)**	**0827254**	200
Conductor diameter: 2.5-5.0 mm	Transparent	**CARRIER-WMT 5 (23X4,2)**	**0827306**	200
Conductor diameter: 4.0-9.0 mm	Transparent	**CARRIER-WMT 10 (23X4,2)**	**0827364**	100
Conductor diameter: 8.0-16.0 mm	Transparent	**CARRIER-WMT 16 (23X4,2)**	**0827429**	50
Conductor marker carrier, closed, **30 mm** wide				
Conductor diameter: 1.3-3.0 mm	Transparent	**CARRIER-WMT 3 (30X4,2)**	**0827267**	200
Conductor diameter: 2.5-5.0 mm	Transparent	**CARRIER-WMT 5 (30X4,2)**	**0827319**	200
Conductor diameter: 4.0-9.0 mm	Transparent	**CARRIER-WMT 10 (30X4,2)**	**0827377**	100
Conductor diameter: 8.0-16.0 mm	Transparent	**CARRIER-WMT 16 (30X4,2)**	**0827432**	50



Marking collars for insert labels



These conductor marking systems consist of marker carriers and insert labels.

The PATG sleeve is a captive marker carrier. Conductors with a diameter of 0.6 ... 50 mm can be marked with it.

The marking is done using the suitable UC-WMT ... and EMT ... insert labels.



PATG ...

General data		
Material		PVC
Inflammability class acc. to UL 94		V0
Temperature range	[°C]	-50 ... 80
Components		Silicone-free

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Conductor marker carrier, closed, **10 mm** wide				
Conductor cross-section: 0.6-1.2 mm	Transparent	**PATG 0/10**	**1013795**	1000
Conductor cross-section: 1.5-2.5 mm	Transparent	**PATG 1/10**	**1013805**	1000
Conductor cross-section: 2.0-4.0 mm	Transparent	**PATG 2/10**	**1013818**	1000
Conductor cross-section: 4.0-7.0 mm	Transparent	**PATG 3/10**	**1013821**	500
Wire marker carrier, closed, **12 mm** wide				
Conductor cross-section: 0.6-1.2 mm	Transparent	**PATG 0/12**	**0827076**	1000
Conductor cross-section: 1.5-2.5 mm	Transparent	**PATG 1/12**	**0827077**	1000
Conductor cross-section: 2.0-4.0 mm	Transparent	**PATG 2/12**	**0827078**	1000
Conductor cross-section: 4.0-7.0 mm	Transparent	**PATG 3/12**	**0827079**	500
Conductor cross-section: 6.0-10.0 mm	Transparent	**PATG 4/12**	**0827080**	500
Conductor marker carrier, closed, **15 mm** wide				
Conductor cross-section: 0.6-1.2 mm	Transparent	**PATG 0/15**	**1013740**	1000
Conductor cross-section: 1.5-2.5 mm	Transparent	**PATG 1/15**	**1013025**	1000
Conductor cross-section: 2.0-4.0 mm	Transparent	**PATG 2/15**	**1013038**	1000
Conductor cross-section: 4.0-7.0 mm	Transparent	**PATG 3/15**	**1013041**	500
Conductor cross-section: 6.0-10.0 mm	Transparent	**PATG 4/15**	**1013054**	500
Conductor cross-section: 10.0-14.0 mm	Transparent	**PATG 5/15**	**1013067**	200
Conductor cross-section: 14.0-22.0 mm	Transparent	**PATG 6/15**	**1013070**	200
Conductor cross-section: 22.0-30.0 mm	Transparent	**PATG 7/15**	**1013083**	50
Conductor cross-section: 30.0-35.0 mm	Transparent	**PATG 8/15**	**1013096**	50
Conductor cross-section: 35.0-50.0 mm	Transparent	**PATG 9/15**	**1013106**	50
Wire marker carrier, closed, **18 mm** wide				
Conductor cross-section: 0.6-1.2 mm	Transparent	**PATG 0/18**	**0820507**	1000
Conductor cross-section: 1.5-2.5 mm	Transparent	**PATG 1/18**	**0820510**	1000
Conductor cross-section: 2.0-4.0 mm	Transparent	**PATG 2/18**	**0820523**	1000
Conductor cross-section: 4.0-7.0 mm	Transparent	**PATG 3/18**	**0820536**	500
Conductor marker carrier, closed, **23 mm** wide				
Conductor cross-section: 1.5-2.5 mm	Transparent	**PATG 1/23**	**1013847**	1000
Conductor cross-section: 2.0-4.0 mm	Transparent	**PATG 2/23**	**1013850**	500
Conductor cross-section: 4.0-7.0 mm	Transparent	**PATG 3/23**	**1013863**	500
Conductor cross-section: 6.0-10.0 mm	Transparent	**PATG 4/23**	**0808011**	200
Conductor cross-section: 10.0-14.0 mm	Transparent	**PATG 5/23**	**0808024**	200
Conductor cross-section: 14.0-22.0 mm	Transparent	**PATG 6/23**	**0808037**	100
Conductor cross-section: 22.0-30.0 mm	Transparent	**PATG 7/23**	**0808040**	50
Conductor cross-section: 30.0-35.0 mm	Transparent	**PATG 8/23**	**0808053**	50
Conductor marker carrier, closed, **30 mm** wide				
Conductor cross-section: 1.5-2.5 mm	Transparent	**PATG 1/30**	**0822440**	500
Conductor cross-section: 2.0-4.0 mm	Transparent	**PATG 2/30**	**0822453**	500
Conductor cross-section: 4.0-7.0 mm	Transparent	**PATG 3/30**	**0822466**	200
Conductor cross-section: 6.0-10.0 mm	Transparent	**PATG 4/30**	**0822479**	200
Conductor cross-section: 10.0-14.0 mm	Transparent	**PATG 5/30**	**0822482**	200



Marking collars for insert labels



The PATO sleeves can be used to label systems already wired at a later date. They cover a diameter of 2.0 ... 10 mm.

The PAB-KTL sleeves have two loops for use with PKB cable binders. They are used to label and bundle conductors. All three versions can be labeled using either the UC-WMT ... and PABA plastic labels or the EMT ... and PABL insert labels.



PATO ...

General data		
Material		PVC
Inflammability class acc. to UL 94		V0
Temperature range	[°C]	-50 ... 80
Components		Silicone-free

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Conductor marker carrier, open, **10 mm** wide				
Conductor cross-section: 2.0-3.5 mm	Transparent	**PATO 1/10**	**1013876**	1000
Conductor cross-section: 2.8-5.0 mm	Transparent	**PATO 2/10**	**1013889**	1000
Wire marker carrier, open, **12 mm** wide				
Conductor cross-section: 2.0-3.5 mm	Transparent	**PATO 1/12**	**0827081**	1000
Conductor cross-section: 2.8-5.0 mm	Transparent	**PATO 2/12**	**0827082**	1000
Conductor marker carrier, open, **15 mm** wide				
Conductor cross-section: 2.0-3.5 mm	Transparent	**PATO 1/15**	**1013119**	1000
Conductor cross-section: 2.8-5.0 mm	Transparent	**PATO 2/15**	**1013122**	1000
Conductor cross-section: 5.0-8.0 mm	Transparent	**PATO 3/15**	**1013135**	500
Conductor cross-section: 8.0-10.0 mm	Transparent	**PATO 4/15**	**1013148**	500
Wire marker carrier, open, **18 mm** wide				
Conductor cross-section: 2.0-3.5 mm	Transparent	**PATO 1/18**	**0823740**	500
Conductor cross-section: 2.8-5.0 mm	Transparent	**PATO 2/18**	**0823753**	500
Conductor marker carrier, open, **23 mm** wide				
Conductor cross-section: 2.0-3.5 mm	Transparent	**PATO 1/23**	**1013892**	500
Conductor cross-section: 2.8-5.0 mm	Transparent	**PATO 2/23**	**1013902**	500
Conductor marker carrier, open, **30 mm** wide				
Conductor cross-section: 2.0-3.5 mm	Transparent	**PATO 1/30**	**0822495**	500
Conductor cross-section: 2.8-5.0 mm	Transparent	**PATO 2/30**	**0822505**	500
Cable marker carrier, lettering field size along the length of cable, labeling with UC-WMT and PABA...., lettering field size: 30 x 4 mm, is secured with PKB cable tie				
	Transparent			
Lettering field size: 23 x 4 mm, labeling with UC-WMT and PABA.../23	Transparent			





PAB-KTL ...

PVC
V0
-50 ... 80
Silicone-free

Type	Order No.	Pcs. / Pkt.
PAB-KTL	**1013261**	200
PAB-KTL 23	**1013957**	200

Conductor marking WMT for threading on



The WMT... conductor markers are made of a high-grade polyester film and are available for different conductor diameters. The advantages of the conductor markers are easy and individual handling and high quality lettering, which is produced using thermal transfer printing.

The conductor to mark is pushed through two punched holes in the marker and positioned.

The special hole geometry guarantees a high axial grip. Protection against external influences, dust and contamination is ensured with help of special packaging.

[1]) For ordering example, see page 601.

Can be printed with:



THERMOMARK S1...



THERMOMARK X1...



WMT ...

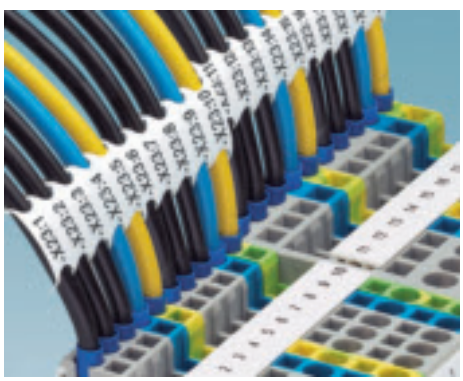
General data		
Number of individual labels		4000
Material		Polyester
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Conductor marker for threading on, can be labeled with thermal transfer printer, 1 roll = 4,000 conductor markers				
Lettering field size: 15 x 4 mm, conductor cross-section: 1.0-2.4 mm	White	**WMT 2,4 (15X4)R**	**0816281**	1
Lettering field size: 15 x 5 mm, conductor cross-section: 2.0-3.5 mm	White	**WMT 3,5 (15X5)R**	**0817222**	1
Lettering field size: 15 x 6 mm, conductor cross-section: 3.0-4.2 mm	White	**WMT 4,2 (15X6)R**	**0817235**	1
Lettering field size: 15 x 8 mm, conductor cross-section: 4.0-5.5 mm	White	**WMT 5,5 (15X8)R**	**0817248**	1
Lettering field size: 17 x 10 mm, conductor cross-section: 5.0-8.4 mm	White	**WMT 8,4 (17X10)R**	**0817251**	1
Conductor marker for threading, labeled as per customer specifications[1])				
Lettering field size: 15 x 4 mm, conductor cross-section: 1.0-2.4 mm, 3 labels per strip	White	**WMT 2,4 (15X4)R CUS**	**0824927**	1
Lettering field size: 15 x 5 mm, conductor cross-section: 2.0-3.5 mm, 3 labels per strip	White	**WMT 3,5 (15X5)R CUS**	**0824928**	1
Lettering field size: 15 x 6 mm, conductor cross-section: 3.0-4.2 mm, 2 labels per strip	White	**WMT 4,2 (15X6)R CUS**	**0824929**	1
Lettering field size: 15 x 8 mm, conductor cross-section: 4.0-5.5 mm, 2 labels per strip	White	**WMT 5,5 (15X8)R CUS**	**0824930**	1
Lettering field size: 17 x 10 mm, conductor cross-section: 5.0-8.4 mm, 2 labels per strip	White	**WMT 8,4 (17X10)R CUS**	**0824931**	1

Accessories

Ink ribbon, Length: 300 m, width: 110 mm, printing color: Black		**THERMOMARK-RIBBON 110**	**5145384**	1



WMTB cable markers for mounting with cable binders



The WMTB conductor marking is suitable for indoor marking and bundling of conductors. This marker is made of a tear-free polyester foil that has two fixing loops and is fastened to the conductor with PKB cable binders. This material can be printed easily and quickly with THERMOMARK S1 and THERMOMARK X1.1.

[1]) For ordering example, see page 601.

Can be printed with:



THERMOMARK S1...



THERMOMARK X1...



WMTB ...

General data	
Material	Polyester
Temperature range [°C]	-40 ... 120
Wipe resistance	DIN EN 61010-1 (VDE 0411-1)
Components	Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Cable marker for assembly with cable ties, for labeling with thermal transfer printer				
Lettering field size: 24 x 8 mm (max. cable binder width: 5 mm), 1 roll = 4,000 cable markers	White	**WMTB (24X8)R**	**0816278**	1
Lettering field size: 35 x 15 mm (max. cable binder width: 5 mm), 1 roll = 1,700 cable markers	White	**WMTB (35X15)R**	**0817316**	1
Cable marker for mounting cable binders, labeled as per customer specifications[1])				
Lettering field size: 24 x 8 mm (max. cable binder width: 5 mm), 4 labels per strip	White	**WMTB (24X8)R CUS**	**0824932**	1
Lettering field size: 35 x 15 mm (max. cable binder width: 5 mm), 2 labels per strip	White	**WMTB (35X15)R CUS**	**0824933**	1

Accessories

Ink ribbon, Length: 300 m, width: 110 mm, printing color: Black		**THERMOMARK-RIBBON 110**	**5145384**	1



Cable marker labels, WML



The cable marker labels consist of a lettering field and a transparent protective foil. It is wrapped around the labeling and protects it permanently against soiling and wear.

The cable marker labels do not increase the cross-section of the cable, so that the cable can subsequently be drawn through cable ducts, for example.

The features are:
– High-quality lettering
– Simple handling
– Resistance to solvents

[1]) For ordering example, see page 601.



Can be printed with:



THERMOMARK S1...



THERMOMARK X1...



WML ...

General data		
Material		Polyvinyl
Temperature range	[°C]	-40 ... 70
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Silicone-free

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Cable marker labels, for thermal transfer printer				
1 roll = 3,000 labels, up to 5 mm in Ø	White	**WML 5 (25X10)R**	**0817523**	1
1 roll = 7,000 labels, up to 6 mm in Ø	White	**WML 6 (13X13)R**	**0816252**	1
1 roll = 1,500 labels, up to 14 mm in Ø	White	**WML 14 (25X19)R**	**0817536**	1
1 roll = 1,500 labels, up to 14 mm in Ø	Yellow	**WML 14 (25X19)R YE**	**0817549**	1
1 roll = 1,000 labels, up to 14 mm in Ø	White	**WML 14 (38X19)R**	**0817552**	1
1 roll = 2,500 labels, up to 18 mm Ø	White	**WML 18 (12X12)R**	**0817507**	1
1 roll = 500 labels, up to 36 mm Ø	White	**WML 36 (25X38)R**	**0817510**	1
Cable marker labels, labeled according to customer requirements[1])				
Up to 5 mm Ø, 3 labels per strip	White	**WML 5 (25X10)R CUS**	**0824885**	1
Up to 6 mm Ø, 7 labels per strip	White	**WML 6 (13X13)R CUS**	**0824886**	1
Up to 14 mm Ø, 3 labels per strip	White	**WML 14 (25X19)R CUS**	**0824890**	1
Up to 14 mm Ø, 3 labels per strip	Yellow	**WML 14 (25X19)R YE CUS**	**0824891**	1
Up to 14 mm Ø, 2 labels per strip	White	**WML 14 (38X19)R CUS**	**0824892**	1
Up to 18 mm Ø, 7 labels per strip	White	**WML 18 (12X12)R CUS**	**0824894**	1
Up to 36 mm Ø, 3 labels per strip	White	**WML 36 (25X38)R CUS**	**0824896**	1
Cable marker labels for the THERMOMARK X1.2 thermal transfer printer				
1 roll = 5,000 labels, up to 3 mm Ø	White	**WML 3 (13X10)RL**	**0817565**	1
1 roll = 10,000 labels, up to 7.5 mm in Ø	White	**WML 7,5 (13X13)RL**	**0817578**	1
1 roll = 5,000 labels, up to 7.5 mm Ø	White	**WML 7,5 (25X13)RL**	**0817581**	1
1 roll = 3,000 labels, up to 12 mm in Ø	White	**WML 12 (25X19)RL**	**0817594**	1
1 roll = 3,000 labels, up to 22 mm in Ø	White	**WML 22 (25X25)RL**	**0817604**	1
Cable marker labels, labeled according to customer requirements[1])				
Up to 3 mm Ø, 4 labels per strip	White	**WML 3 (13X10)RL CUS**	**0824884**	1
Up to 7.5 mm Ø, 7 labels per strip	White	**WML 7,5 (13X13)RL CUS**	**0824887**	1
Up to 7.5 mm Ø, 3 labels per strip	White	**WML 7,5 (25X13)RL CUS**	**0824888**	1
Up to 12 mm Ø, 3 labels per strip	White	**WML 12 (25X19)RL CUS**	**0824889**	1
Up to 22 mm Ø, 3 labels per strip	White	**WML 22 (25X25)RL CUS**	**0824895**	1

Accessories

Ink ribbon, Length: 300 m, width: 110 mm, printing color: Black	**THERMOMARK-RIBBON 110**	**5145384**	1

Cable marker labels, KML



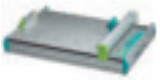
The (F)KML marking labels are ideal to mark round and flat-ribbon cables. The labeling created using standard laser printers is wrapped in a transparent protective foil to protect it permanently against mechanical wear and chemical effects. The laser printers are controlled using the CLIP PROJECT software.

[1]) For ordering example, see page 601.

Can be printed with:



Laser printer



CMS-P1-PLOTTER



KML ... / FKML ...

General data	
Material	Polyester
Temperature range [°C]	-40 ... 100
Wipe resistance	DIN EN 61010-1 (VDE 0411-1)
Components	Silicone-free

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Cable marker labels for laser printers, sheet format: DIN A4, can also be labeled with plotter, self-adhesive				
1 sheet = 169 labels, up to 3.0 mm Ø	Transparent/ white	**KML 12X 9 WH**	**5036150**	10
1 sheet = 56 labels, up to 6.5 mm Ø	Transparent/ white	**KML 25X12 WH**	**5036163**	10
Cable marker labels, self-adhesive, **labeled according to customer requirements**[1])				
Up to Ø 3 mm		**KML 12X 9 WH CUS**	**0824434**	1
Up to Ø 6.5 mm		**KML 25X12 WH CUS**	**0824435**	1
Flat-ribbon cable marker labels for laser printers, sheet format: DIN A4, can also be labeled with plotter, self-adhesive				
1 sheet = 15 labels, up to 21 mm Ø	Transparent/ white	**FKML 35X25 WH**	**5036228**	10
1 sheet = 12 labels, up to 18 mm Ø	Transparent/ white	**FKML 47X25 WH**	**5036231**	10
Flat-ribbon cable marker labels, self-adhesive, **labeled according to customer requirements**[1])				
Up to Ø 21 mm		**FKML 35X25 WH CUS**	**0824410**	1
Up to Ø 18 mm		**FKML 47X25 WH CUS**	**0824411**	1



Pre-assembled shrink sleeves



The WMS... conductor markers from Phoenix Contact are available for different conductor diameters. For optimum use of the material, the markers can be divided into smaller sections with up to three perforations. The conductor to mark is simply pushed through the conductor marker. It is fixed on the conductor by shrinking.

The thin-walled conductor makers do not increase the cross-section and are still flexible after processing. They provide permanent and captive labeling of conductors, since they offer not only good electrical insulation, but also mechanical protection.

For shrink sleeves labeled as per customer specifications, see www.phoenixcontact.de/eshop.

Designation example:
WMS 2,4(50x5)R
Conductor Ø, unshrunk: 2.4 mm
Lettering field size: 50 x 5 mm
Type of packaging: Roll

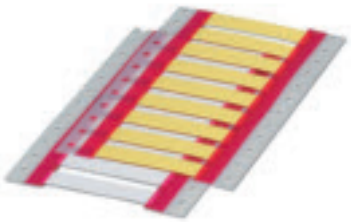
Can be printed with:



THERMOMARK S1...



THERMOMARK X1...



WMS ...

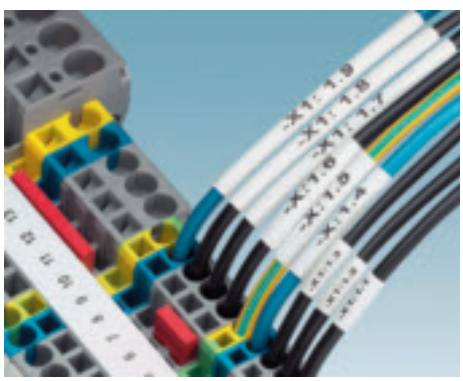
General data		
Material		Polyolefine
Temperature range	[°C]	-55 ... 135
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Silicone-free
Shrink rate		3:1

Ordering data

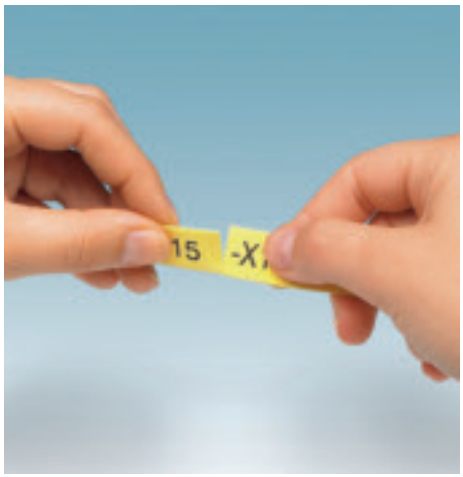
Description	Color	Type	Order No.	Pcs. / Pkt.
Shrink sleeve, for thermal transfer printer, unperforated, 1 roll = 250 markers at 50 mm length				
Conductor diameter: 0.8 - 2.4 mm	White	**WMS 2,4 (50X5)R**	**0817455**	1
Conductor diameter: 1.6 - 4.8 mm	White	**WMS 4,8 (50X9)R**	**0817471**	1
Conductor diameter: 3.2 - 9.5 mm	White	**WMS 9,5 (50X16)R**	**0816320**	1
Conductor diameter: 0.8 - 2.4 mm	Yellow	**WMS 2,4 (50X5)R YE**	**0817468**	1
Conductor diameter: 1.6 - 4.8 mm	Yellow	**WMS 4,8 (50X9)R YE**	**0817484**	1
Conductor diameter: 3.2 - 9.5 mm	Yellow	**WMS 9,5 (50X16)R YE**	**0817497**	1
Shrink sleeve, for thermal transfer printer, 1-way perforated, 1 roll = 500 markers at 25 mm length				
Conductor diameter: 0.8 - 2.4 mm	White	**WMS 2,4 (25X5)R**	**0816294**	1
Conductor diameter: 1.6 - 4.8 mm	White	**WMS 4,8 (25X9)R**	**0817390**	1
Conductor diameter: 3.2 - 9.5 mm	White	**WMS 9,5 (25X16)R**	**0817413**	1
Conductor diameter: 0.8 - 2.4 mm	Yellow	**WMS 2,4 (25X5)R YE**	**0817387**	1
Conductor diameter: 1.6 - 4.8 mm	Yellow	**WMS 4,8 (25X9)R YE**	**0817400**	1
Conductor diameter: 3.2 - 9.5 mm	Yellow	**WMS 9,5 (25X16)R YE**	**0816304**	1
Shrink sleeve, for thermal transfer printer, 3-way perforated, 1 roll = 1,000 markers at 12.5 mm length				
Conductor diameter: 0.8 - 2.4 mm	White	**WMS 2,4 (12,5X5)R**	**0817426**	1
Conductor diameter: 1.6 - 4.8 mm	White	**WMS 4,8 (12,5X9)R**	**0817442**	1
Conductor diameter: 0.8 - 2.4 mm	Yellow	**WMS 2,4 (12,5X5)R YE**	**0817439**	1
Conductor diameter: 1.6 - 4.8 mm	Yellow	**WMS 4,8 (12,5X9)R YE**	**0816317**	1

Accessories

Ink ribbon, specially for shrink sleeves Length: 300 m, width: 110 mm, printing color: Black	**THERMOMARK-RIBBON 110-WMS**	**5145397**	1



Continuous shrink tubes



The shrinkable WMS... marker sleeves in the form of continuous roll material are ideal for captive cable and conductor marking. The thin-walled hoses do not wear out and are still flexible after processing.

The THERMOMARK W2 can be used to print endless shrink tubes on both sides.

For shrink sleeves labeled as per customer specifications, see www.phoenixcontact.net/eshop.



Can be printed with:



THERMOMARK W2



THERMOMARK X1.2



WMS ...

General data		
Material		Polyolefine
Temperature range	[°C]	-55 ... 135
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Silicone-free
Shrink rate		3:1

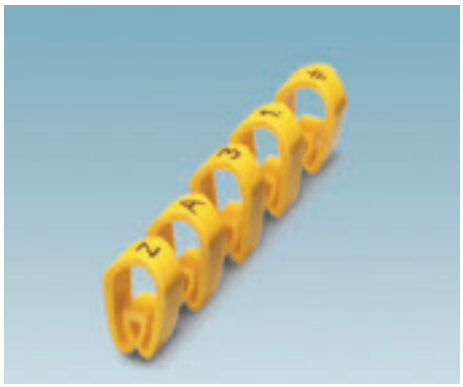
Ordering data

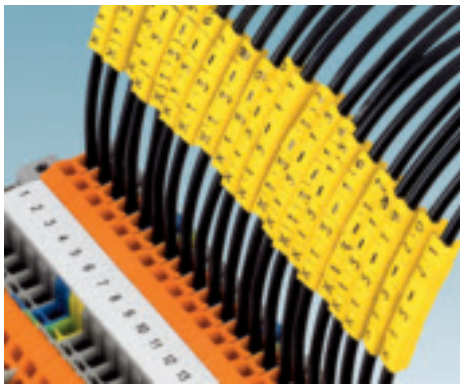
Description	Color	Type	Order No.	Pcs. / Pkt.
Shrink sleeve, can be labeled with THERMOMARK W2, length: 30 m				
Conductor cross-section: 1.0 - 3.0 mm	White	**WMS 3 (EX5)R**	**0817633**	1
	Yellow	**WMS 3 (EX5)R YE**	**0817662**	1
Conductor diameter: 1.5-4.5 mm	White	**WMS 4,5 (EX7,5)R**	**0821904**	1
	Yellow	**WMS 4,5 (EX7,5)R YE**	**0821946**	1
Shrink sleeve, can be labeled with THERMOMARK W2, length: 25 m				
Conductor diameter: 2.0 - 6.0 mm	White	**WMS 6 (EX10)R**	**0821917**	1
	Yellow	**WMS 6 (EX10)R YE**	**0821959**	1
Shrink sleeve, can be labeled with THERMOMARK W2, length: 20 m				
Conductor cross-section: 3.0 - 9.0 mm	White	**WMS 9 (EX15)R**	**0817646**	1
	Yellow	**WMS 9 (EX15)R YE**	**0817675**	1
Conductor diameter: 4.0 - 12.5 mm	White	**WMS 12,5 (EX20)R**	**0821920**	1
	Yellow	**WMS 12,5 (EX20)R YE**	**0821962**	1
Conductor cross-section: 6.0 - 18.0 mm	White	**WMS 18 (EX30)R**	**0817659**	1
	Yellow	**WMS 18 (EX30)R YE**	**0817688**	1
Shrink sleeve, can be labeled with THERMOMARK W2, length: 15 m				
Conductor diameter: 8.0-25.4 mm	White	**WMS 25 (EX40)R**	**0821933**	1
	Yellow	**WMS 25 (EX40)R YE**	**0821975**	1
Shrink sleeve, halogen-free, can be labeled with THERMOMARK W2, length: 30 m				
Conductor cross-section: 1.0 - 3.0 mm	White	**WMSHF 3 (EX5)R**	**0821988**	1
	Yellow	**WMSHF 3 (EX5)R YE**	**0822068**	1
Conductor diameter: 1.5-4.5 mm	White	**WMSHF 4,5 (EX7,5)R**	**0821991**	1
	Yellow	**WMSHF 4,5 (EX7,5)R YE**	**0822071**	1
Shrink sleeve, halogen-free, can be labeled with THERMOMARK W2, length: 25 m				
Conductor diameter: 2.0 - 6.0 mm	White	**WMSHF 6 (EX10)R**	**0822000**	1
	Yellow	**WMSHF 6 (EX10)R YE**	**0822084**	1
Shrink sleeve, halogen-free, can be labeled with THERMOMARK W2, length: 20 m				
Conductor cross-section: 3.0 - 9.0 mm	White	**WMSHF 9 (EX15)R**	**0822026**	1
	Yellow	**WMSHF 9 (EX15)R YE**	**0822107**	1
Conductor diameter: 4.0 - 12.5 mm	White	**WMSHF 12,5 (EX20)R**	**0822039**	1
	Yellow	**WMSHF 12,5 (EX20)R YE**	**0822110**	1
Conductor cross-section: 6.0 - 18.0 mm	White	**WMSHF 18 (EX30)R**	**0822042**	1
	Yellow	**WMSHF 18 (EX30)R YE**	**0822123**	1
Shrink sleeve, halogen-free, can be labeled with THERMOMARK W2, length: 15 m				
Conductor diameter: 8.0-25.4 mm	White	**WMSHF 25 (EX40)R**	**0822055**	1
	Yellow	**WMSHF 25 (EX40)R YE**	**0822136**	1

Accessories

Ink ribbon, specially for labeling shrink tubes using THERMOMARK W1 and THERMOMARK W2 Length: 300 m, width: 64 mm				
	Black	**THERMOMARK-RIBBON 64-WMSE**	**5145724**	1
	Blue	**THERMOMARK-RIBBON 64-WMSE BU**	**5145737**	1
	Red	**THERMOMARK-RIBBON 64-WMSE RD**	**5145740**	1
Ink ribbon, halogen-free, specially for labeling shrink tubes using THERMOMARK W1 and THERMOMARK W2 Length: 300 m, width: 64 mm		**THERMOMARK-RIBBON 55-WMSHF**	**0827856**	1

Order key for SD-WMS





Order key:

Order No.	Article type	Printing	Packing	Color
0825764	**SD-WMS 3**	**(NU)**	**S**	**YE**
	SD-WMS 3... = 1.3 - 3.0 mm SD-WMS 5... = 2.5 - 5.0 mm SD-WMS 10... = 4.0 - 10.0 mm SD-WMS 16... = 8.0 - 16.0 mm	(NEUTRAL) = unprinted (NU) = numbers 0 - 9 (CH) = letters A - Z (SY) = symbols + - / . GND (CC) = international color code	__ = multipack R = roll S = strip	__ = White YE = Yellow BU = Blue RD = Red

Ordering example:

Yellow label for a conductor diameter of 3.0 mm, printed with the grounding symbol



Order No.:
0825609: GND

SD-WMS 3...

General data		
Material		PVC
Temperature range	[° C]	-30 ... 60
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and cadmium

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Conductor marking collar, printed horizontally, for diameter: **1.3 mm - 3.0 mm**				
Unprinted	White	**SD-WMS 3 (NEUTRAL)**	**0825612**	200
Unprinted	Yellow	**SD-WMS 3 (NEUTRAL) YE**	**0825573**	200
Printed: with numbers 0-9	White	**SD-WMS 3 (NU)**	**0825586**	200
	Yellow	**SD-WMS 3 (NU) YE**	**0825544**	200
Printed: with upper case letters A-Z	White	**SD-WMS 3 (CH)**	**0825599**	200
	Yellow	**SD-WMS 3 (CH) YE**	**0825557**	200
Printed: with symbols + - / . GND	White	**SD-WMS 3 (SY)**	**0825609**	200
	Yellow	**SD-WMS 3 (SY) YE**	**0825560**	200
Printed: with the character " - "	Blue	**SD-WMS 3 (SY) BU**	**0825625**	200
Printed: with the character " + "	Red	**SD-WMS 3 (SY) RD**	**0825638**	200

International color code



Imprint	Marker color	Font color
0	Black	White
1	Brown	White
2	Red	White
3	Orange	Black
4	Yellow	Black
5	Green	White
6	Blue	White
7	Violet	White
8	Gray	Black
9	White	Black

Conductor marker SD-WMS ...



The SD-WMS... conductor marking collars allow easy and reliable conductor labeling. Labeling made up of more than one digit is easily possible by combining several ready marked individual collars. Delivery: In the bag



SD-WMS 3 ...

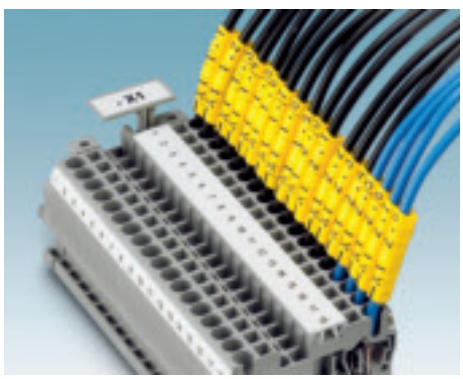
General data		
Material		PVC
Inflammability class acc. to UL 94		V0
Temperature range	[°C]	-30 ... 60
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and cadmium

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Conductor marking collar, printed horizontally, for diameters:**1.3 mm - 3.0 mm**				
Unprinted	White	**SD-WMS 3 (NEUTRAL)**	**0825612**	200
Unprinted	Yellow	**SD-WMS 3 (NEUTRAL) YE**	**0825573**	200
Printed: with numbers 0-9	White	**SD-WMS 3 (NU)**	**0825586**	200
	Yellow	**SD-WMS 3 (NU) YE**	**0825544**	200
Printed: with upper case letters A-Z	White	**SD-WMS 3 (CH)**	**0825599**	200
	Yellow	**SD-WMS 3 (CH) YE**	**0825557**	200
Printed: with symbols + - / .GND	White	**SD-WMS 3 (SY)**	**0825609**	200
	Yellow	**SD-WMS 3 (SY) YE**	**0825560**	200
Printed: with character " - "	Blue	**SD-WMS 3 (SY) BU**	**0825625**	200
Printed: with character " + "	Red	**SD-WMS 3 (SY) RD**	**0825638**	200

Accessories

Threading pin, facilitates the threading of SD-WMS... on the conductor	**SD-WMS 3 TOOL**	**0826462**	1



Conductor marker SD-WMS ...



The SD-WMS... conductor marking collars allow easy and reliable conductor labeling. Labeling made up of more than one digit is easily possible by combining several ready marked individual collars. Delivery: In the bag



SD-WMS 5 ...

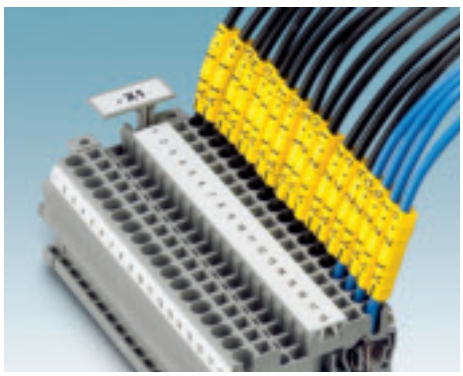
General data		
Material		PVC
Inflammability class acc. to UL 94		V0
Temperature range	[°C]	-30 ... 60
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and cadmium

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Conductor marking collar, printed horizontally, for diameters: **2.5 mm - 5.0 mm**				
Unprinted	White	**SD-WMS 5 (NEUTRAL)**	**0828900**	200
	Yellow	**SD-WMS 5 (NEUTRAL) YE**	**0825861**	200
Printed: with numbers 0-9	White	**SD-WMS 5 (NU)**	**0825874**	200
	Yellow	**SD-WMS 5 (NU) YE**	**0825832**	200
Printed: with upper case letters A-Z	White	**SD-WMS 5 (CH)**	**0825887**	200
	Yellow	**SD-WMS 5 (CH) YE**	**0825845**	200
Printed: with symbols + - / .GND	White	**SD-WMS 5 (SY)**	**0825890**	200
	Yellow	**SD-WMS 5 (SY) YE**	**0825858**	200
Printed: with character " - "	Blue	**SD-WMS 5 (SY) BU**	**0828913**	200
Printed: with character " + "	Red	**SD-WMS 5 (SY) RD**	**0828926**	200
Conductor marking collar, printed horizontally, for diameters: **4.0 mm - 10.0 mm**				
Unprinted	White			
	Yellow			
Printed: with numbers 0-9	White			
	Yellow			
Printed: with upper case letters A-Z	White			
	Yellow			
Printed: with symbols + - / .GND	White			
	Yellow			
Printed: with character " - "	Blue			
Printed: with character " + "	Red			
Conductor marking collar, printed horizontally, for diameters: **8.0 mm - 16.0 mm**				
Unprinted	White			
	Yellow			
Printed: with numbers 0-9	White			
	Yellow			
Printed: with upper case letters A-Z	White			
	Yellow			
Printed: with symbols + - / .GND	White			
	Yellow			
Printed: with character " - "	Blue			
Printed: with character " + "	Red			

Accessories

Threading pin, facilitates the threading of SD-WMS... on the conductor	**SD-WMS 5 TOOL**	**0826475**	1





SD-WMS 10 ...



SD-WMS 16 ...

PVC
V0
-30 ... 60
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and cadmium

Type	Order No.	Pcs. / Pkt.
SD-WMS 10 (NEUTRAL)	**0826200**	100
SD-WMS 10 (NEUTRAL) YE	**0826158**	100
SD-WMS 10 (NU)	**0826161**	100
SD-WMS 10 (NU) YE	**0826129**	100
SD-WMS 10 (CH)	**0826174**	100
SD-WMS 10 (CH) YE	**0826132**	100
SD-WMS 10 (SY)	**0826187**	100
SD-WMS 10 (SY) YE	**0826145**	100
SD-WMS 10 (SY) BU	**0826213**	100
SD-WMS 10 (SY) RD	**0826226**	100
SD-WMS 5 TOOL	**0826475**	1

PVC
V0
-30 ... 60
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and cadmium

Type	Order No.	Pcs. / Pkt.
SD-WMS 16 (NEUTRAL)	**0826420**	20
SD-WMS 16 (NEUTRAL) YE	**0826381**	20
SD-WMS 16 (NU)	**0826394**	20
SD-WMS 16 (NU) YE	**0826352**	20
SD-WMS 16 (CH)	**0826404**	20
SD-WMS 16 (CH) YE	**0826365**	20
SD-WMS 16 (SY)	**0826417**	20
SD-WMS 16 (SY) YE	**0826378**	20
SD-WMS 16 (SY) BU	**0826433**	20
SD-WMS 16 (SY) RD	**0826446**	20
SD-WMS 5 TOOL	**0826475**	1

Conductor marker SD-WMS ...



The SD-WMS... conductor marking collars allow easy and reliable conductor labeling. Labeling made up of more than one digit is easily possible by combining several ready marked individual collars. Delivery: Rolls



SD-WMS 3 ...R...

General data		
Material		PVC
Inflammability class acc. to UL 94		V0
Temperature range	[°C]	-30 ... 60
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and cadmium

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Conductor marking collar, printed horizontally, for diameters: **1.3 mm - 3.0 mm**				
Unprinted	Yellow	**SD-WMS 3 (NEUTRAL)R YE**	**0825683**	500
Printed: with numbers 0-9	Yellow	**SD-WMS 3 (NU)R YE**	**0825654**	500
Printed: with upper case letters A-Z	Yellow	**SD-WMS 3 (CH)R YE**	**0825667**	500
Printed: with symbols + - / .GND	Yellow	**SD-WMS 3 (SY)R YE**	**0825670**	500
Printed: with character " - "	Blue	**SD-WMS 3 (SY)R BU**	**0825735**	500
Printed: with character " + "	Red	**SD-WMS 3 (SY)R RD**	**0825748**	500
Conductor marking collar, printed horizontally, for diameters: **2.5 mm - 5.0 mm**				
Unprinted	Yellow			
Printed: with numbers 0-9	Yellow			
Printed: with upper case letters A-Z	Yellow			
Printed: with symbols + - / .GND	Yellow			
Printed: with character " - "	Blue			
Printed: with character " + "	Red			
Conductor marking collar, printed horizontally, for diameters: **4.0 mm - 10.0 mm**				
Unprinted	Yellow			
Printed: with numbers 0-9	Yellow			
Printed: with upper case letters A-Z	Yellow			
Printed: with symbols + - / .GND	Yellow			
Printed: with character " - "	Blue			
Printed: with character " + "	Red			

Accessories

Threading pin, facilitates the threading of SD-WMS... on the conductor	**SD-WMS 3 TOOL**	**0826462**	1
Metal box, for maintenance and as magazine for SD-WMS ...R rolls	**SD-WMS CASE**	**0826501**	1





SD-WMS 5 ...R...



SD-WMS 10 ...R...

PVC
V0
-30 ... 60
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and cadmium

Type	Order No.	Pcs. / Pkt.
SD-WMS 5 (NEUTRAL)R YE	**0825971**	500
SD-WMS 5 (NU)R YE	**0825942**	500
SD-WMS 5 (CH)R YE	**0825955**	500
SD-WMS 5 (SY)R YE	**0825968**	500
SD-WMS 5 (SY)R BU	**0826022**	500
SD-WMS 5 (SY)R RD	**0826035**	500
SD-WMS 5 TOOL	**0826475**	1
SD-WMS CASE	**0826501**	1

PVC
V0
-30 ... 60
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and cadmium

Type	Order No.	Pcs. / Pkt.
SD-WMS 10 (NEUTRAL)R YE	**0826271**	250
SD-WMS 10 (NU)R YE	**0826242**	250
SD-WMS 10 (CH)R YE	**0826255**	250
SD-WMS 10 (SY)R YE	**0826268**	250
SD-WMS 10 (SY)R BU	**0826323**	250
SD-WMS 10 (SY)R RD	**0826336**	250
SD-WMS 5 TOOL	**0826475**	1
SD-WMS CASE	**0826501**	1

Conductor marker SD-WMS ...



The SD-WMS... conductor marking collars allow easy and reliable conductor labeling. Labeling made up of more than one digit is easily possible by combining several ready marked individual collars. Delivery: Strip – for quick threading onto the conductor



SD-WMS 3 ...S ...

General data		
Material		PVC
Inflammability class acc. to UL 94		V0
Temperature range	[°C]	-30 ... 60
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and cadmium

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Conductor marking collar, printed horizontally, for diameters: **1.3 mm - 3.0 mm**				
Unprinted	Yellow	**SD-WMS 3 (NEUTRAL)S YE**	**0825793**	250
Printed: with numbers 0-9	Yellow	**SD-WMS 3 (NU)S YE**	**0825764**	250
Printed: with upper case letters A-Z	Yellow	**SD-WMS 3 (CH)S YE**	**0825777**	250
Printed: with symbols + - / .GND	Yellow	**SD-WMS 3 (SY)S YE**	**0825780**	250
Printed: with character " - "	Blue	**SD-WMS 3 (SY)S BU**	**0825803**	250
Printed: with character " + "	Red	**SD-WMS 3 (SY)S RD**	**0825816**	250
Conductor marking collar, printed horizontally, for diameters: **2.5 mm - 5.0 mm**				
Unprinted	Yellow			
Printed: with numbers 0-9	Yellow			
Printed: with upper case letters A-Z	Yellow			
Printed: with symbols + - / .GND	Yellow			
Printed: with character " - "	Blue			
Printed: with character " + "	Red			

Accessories

Magazine, for accommodating SD-WMS... S...	**SD-WMS 3 STRIP-MAG**	**0826488**	1





SD-WMS 5 ... S ...

PVC
V0
-30 ... 60
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and cadmium

Type	Order No.	Pcs. / Pkt.
SD-WMS 5 (NEUTRAL)S YE	**0826080**	250
SD-WMS 5 (NU)S YE	**0826051**	250
SD-WMS 5 (CH)S YE	**0826064**	250
SD-WMS 5 (SY)S YE	**0826077**	250
SD-WMS 5 (SY)S BU	**0826093**	250
SD-WMS 5 (SY)S RD	**0826103**	250
SD-WMS 5 STRIP-MAG	**0826491**	1

SD-WMTBS cable marker



The SD-WMTBS cable marker helps in marking cables and conductors with larger cross-sections as well. To do so, SD-WMTBS printed individual markers are pushed onto the relevant carrier. The holder is fastened using the PKB... cable binder, see page 717.

1) For ordering example, see page 556.



SD-WMTBS ...

General data		
Material		PVC
Inflammability class acc. to UL 94		V2
Temperature range	[°C]	-30 ... 60
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and cadmium

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Cable marker[1])				
Unprinted	Yellow	**SD-WMTBS (NEUTRAL) CC**	**0826637**	100
Printed: with numbers 0-9	Yellow	**SD-WMTBS (S) YE**	**0826514**	100
Printed: with upper case letters A-Z	Yellow	**SD-WMTBS (CH) YE**	**0826611**	100
Printed: with symbols + - / .GND	Yellow	**SD-WMTBS (SY) YE**	**0826624**	100
International color code, printed: with numbers between 0-9		**SD-WMTBS (NU) CC**	**0826527**	100
Label holder				
For max. 7 characters	Black	**SD-WMTB (70X10)**	**0826530**	100
For max. 13 characters	Black	**SD-WMTB (100X10)**	**0826543**	100



High-grade steel cable marker

High-grade steel cable markers help in marking cables and conductors with larger cross-sections. For this, markers are pushed onto or stamped on the relevant holders. High-grade steel cable binders are used for fastening.

[1]) For ordering example, see page 556.



SD-WMTBS ... VA



KMV ...

General data							
Material		High-grade steel			High-grade steel		

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Cable marker[1])							
Unprinted	Silver	**SD-WMTBS (NEUTRAL) VA**	**0826666**	50			
Printed: with numbers 0-9	Silver	**SD-WMTBS (NU) VA**	**0826556**	10			
Printed: with upper case letters A-Z	Silver	**SD-WMTBS (CH) VA**	**0826640**	10			
Printed: with symbols + - / .GND	Silver	**SD-WMTBS (SY) VA**	**0826653**	10			
Label holder							
For max. 6 characters	Silver	**SD-WMTB (30X10) VA**	**0826569**	50			
For max. 9 characters	Silver	**SD-WMTB (47X10) VA**	**0826572**	50			
For max. 13 characters	Silver	**SD-WMTB (70X10) VA**	**0826585**	50			
For max. 17 characters	Silver	**SD-WMTB (92X10) VA**	**0826598**	50			
For max. 20 characters	Silver	**SD-WMTB (111X10) VA**	**0826608**	50			
Steel cable marker, rust-proof, anti-magnetic, label size: 89 x 19 mm, lettering field size: 65 x 19 mm	Silver				**KMV**	**0806644**	100
Steel cable marker, rust-proof, anti-magnetic, label size: 89 x 19 mm, lettering field size: 65 x 19 mm, **lasered according to customer requirements**	Silver				**KMV:SO/CMS**	**0811781**	1
Steel cable marker, rust-proof, anti-magnetic, label size: 44 x 9.6 mm, lettering field size: 23 x 9 mm	Silver				**KMV 44X9,6**	**0812007**	100
Steel cable marker, rust-proof, anti-magnetic, label size: 44 x 9.6 mm, lettering field size: 23 x 9 mm, **lasered according to customer requirements**	Silver				**KMV 44X9,6:SO/CMS**	**0812117**	1

Accessories

Steel cable tie, rust-proof, anti-magnetic Dimensions: 130 x 4.6 mm	Silver	**PKBV 130X4,6**	**0806657**	100	**PKBV 130X4,6**	**0806657**	100
Steel cable tie, rust-proof, anti-magnetic Dimensions: 200 x 4.6 mm	Silver	**PKBV 200X4,6**	**0806660**	100	**PKBV 200X4,6**	**0806660**	100



Plastic cable markers for insert labels



The plastic cable markers are suitable for both marking and looming several conductors and cables indoors. The printed insert label is protected from dirt and environmental influences by the sealing cap.

The KMK 2 and KMK 4 versions have eyelets. They are fastened to the cable with PKB cable binders of the desired length.

[1]) Please specify the required marking with order.



Can be printed with:



THERMOMARK S1...



THERMOMARK X1...



Laser printer



KMK

General data		
Material		Polyethylene
Temperature range	[°C]	-40 ... 80
Components		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Plastic cable markers for insert labels, with cable ties with a pointed end, can be labeled with insert label ESL... or EST..., Ø10 ... 25 mm, lettering field size: 29 x 8 mm	Transparent	**KMK**	**1005208**	100
Plastic cable markers for insert labels, with eyelets for fastening PKB cable binders, can be labeled with insert label ESL... or EMT..., lettering field size: 29 x 8 mm	Transparent			
Plastic cable markers for insert labels, with cable ties with a pointed end, can be labeled with insert label ESL... or EST..., - Ø16 ... 35 mm, lettering field size: 40 x 17 mm	Transparent			
Plastic cable markers for insert labels, with eyelets for fastening PKB cable binders, can be labeled with insert label ESL... or EMT..., lettering field size: 40 x 17 mm	Transparent			

Accessories

Insert strip for laser printer, can also be labeled with B-STIFT, X-PEN or plotter, DIN A4, perforated, 1 sheet = 174 labels, lettering field size: 29 x 8 mm	**ESL 29X 8**	**0808257**	10
Insert strips for laser printers, DIN A4, perforated, 1 sheet = 174 labels, lettering field size: 29 x 8 mm, **labeled according to customer requirements**[1])	**ESL 29X 8 CUS**	**0824401**	1
Insert strips for laser printer, perforated, 1 sheet = 56 labels, lettering field size: 40 x 17 mm Lettering field size: 40 x 17 mm			
Insert strips for laser printers, perforated, 1 sheet = 56 labels, lettering field size: 40 x 17 mm, **labeled according to customer requirements**[1])			
Insert labels for thermal transfer printers Lettering field size: 29 x 8 mm, 1 roll = 5,400 labels Lettering field size: 40 x 17 mm, 1 roll = 2,300 labels	**EMT (29X8)R**	**0817277**	1
Insert strips for thermal transfer printers, labeled according to customer requirements Lettering field size: 29 x 8 mm, 3 labels per strip	**EMT (29X8)R CUS**	**0824383**	1



KMK 2

Polyethylene
-40 ... 80
Free from silicone and halogen

Type	Order No.	Pcs. / Pkt.
KMK 2	**1005266**	100
ESL 29X 8	**0808257**	10
ESL 29X 8 CUS	**0824401**	1
EMT (29X8)R	**0817277**	1
EMT (29X8)R CUS	**0824383**	1



KMK 3

Polyethylene
-40 ... 80
Free from silicone and halogen

Type	Order No.	Pcs. / Pkt.
KMK 3	**1005211**	50
ESL 40X17	**0808095**	10
ESL 40X17 CUS	**0824403**	1
EMT (40X17)R	**0817293**	1
EMT (40X17)R CUS	**0824385**	1

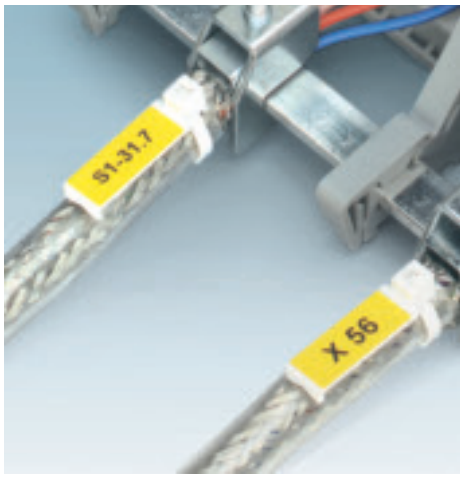


KMK 4

Polyethylene
-40 ... 80
Free from silicone and halogen

Type	Order No.	Pcs. / Pkt.
KMK 4	**1005305**	50
ESL 40X17	**0808095**	10
ESL 40X17 CUS	**0824403**	1
EMT (40X17)R	**0817293**	1
EMT (40X17)R CUS	**0824385**	1

Conductor and cable markers with molded cable ties



The KME marker is designed as a universal marker label for cables and conductor bundles indoors.

It can be labeled with a marker pen, by hand or using a label.



KME

General data	
Material	PA
Inflammability class acc. to UL 94	V2
Temperature range [°C]	-40 ... 100
Components	Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Cable and conductor marker for labels, can be labeled with B-STIFT, X-PEN or labels, Ø 1 - 20 mm, lettering field size: 20 x 8 mm	White	**KME**	**0807083**	50

Accessories

Fabric label, lettering field size: 20 x 8 mm 1 roll = 2,500 labels	**EMLC (20X8)R**	**0815680**	1
Labels for thermal transfer printer 1 roll = 2,500 labels	**EML (20X8)R**	**0816786**	1

Conductor and cable markers with molded cable ties



The LM marker serves as a universal marking label and can be used to tie together conductors in the indoor area.

It has a sealing cap into which an insert label is placed to protect the labeling from contamination.



LM

General data	
Material	PA
Inflammability class acc. to UL 94	V2
Temperature range [°C]	-40 ... 100
Components	Free from silicone and halogen

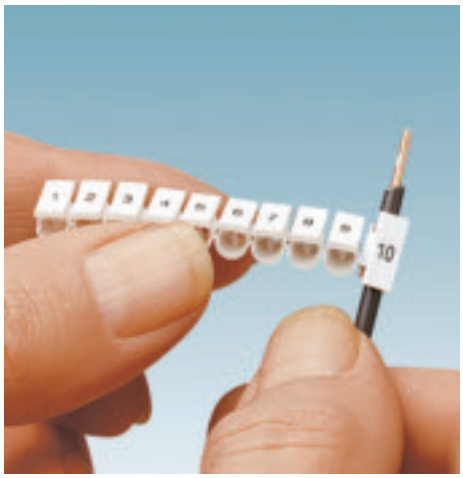
Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Cables and conductor markers for insert labels, can be labeled with EST or ESL, Ø 1 mm - 12 mm, lettering field size: 24 x 4 mm	White	**LM**	**1004377**	100

Accessories

Insert strips for laser printers, perforated, DIN A4 sheet, lettering field size: 24 x 4 mm, 1 sheet = 488 labels Lettering field size: 24 x 4 mm	**ESL 24X 4**	**0808231**	10
Insert strip for thermal transfer printer, 1 roll = 5,000 markers, lettering field size: 24 x 4 mm Lettering field size: 24 x 4 mm	**EMT (24X4)R**	**0816265**	1

Conductor marker LBHZ ...



The LBHZ ... conductor marker is pushed onto the conductor and secured with three inner lips. The labeling is done with a B-STIFT marker pen or CMS-P1-PLOTTER.



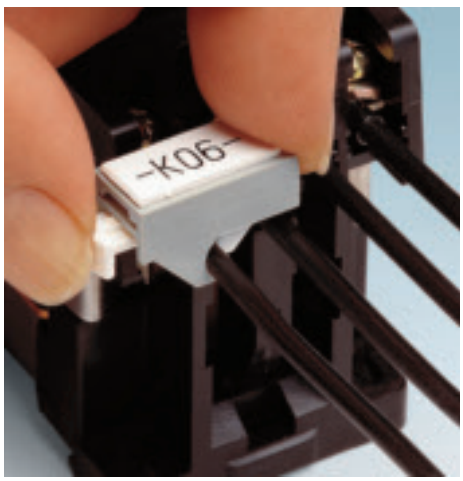
LBHZ ...

General data		
Material		PA
Inflammability class acc. to UL 94		V2
Temperature range	[°C]	-40 ... 100
Components		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Conductor marker, unprinted, 10-section, height of labeling surface 6 mm, for diameters 1.5-3.2 mm, lettering field size: 4.5 x 10 mm	White	**LBHZ 2/WH:UNBEDRUCKT**	**1013575**	100
Conductor marker, unprinted, 10-section, height of labeling surface 7 mm, for diameters 2.5-4.7 mm, lettering field size: 5.5 x 10 mm	White	**LBHZ 3/WH:UNBEDRUCKT**	**1013562**	100
Conductor marker, labeled according to customer requirements				
		LBHZ 2/WH CUS	**0824439**	1
		LBHZ 3/WH CUS	**0824440**	1

Conductor marker GKM ...



The GKM ... conductor marker is fastened directly to a conductor. The labeling can be done with SS-ZB..., UC-TM... or ZB... .



GKM ...

General data		
Material		PA/ABS
Inflammability class acc. to UL 94		-
Temperature range	[°C]	-40 ... 80
Components		Free from silicone and halogen

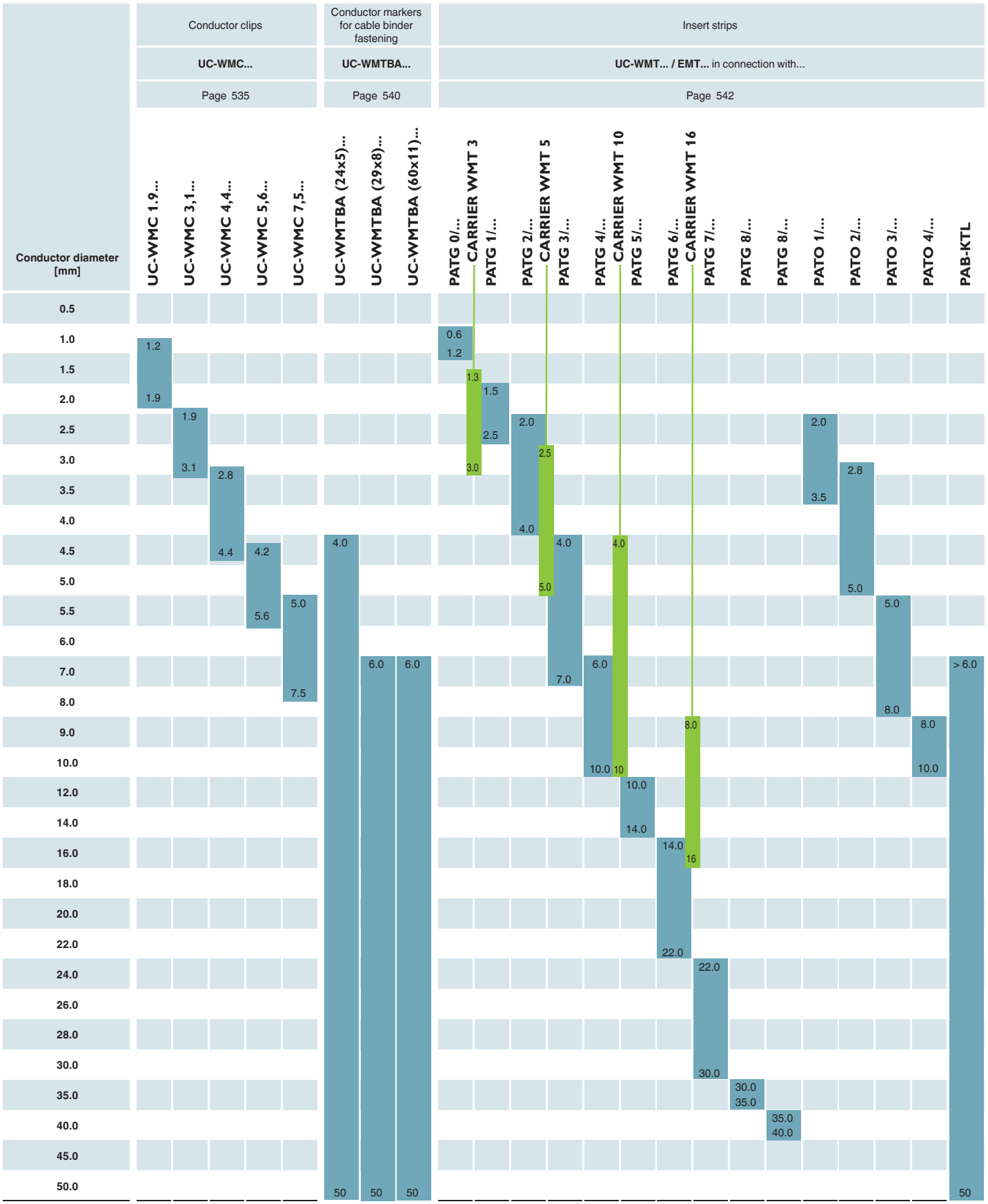
Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Conductor marker, lettering field size 20 x 8 mm				
For conductor diameters of 0 - 5.2 mm	Gray	**GKM 1 GY**	**1750498**	100
For conductor diameters of 4.8 - 11 mm	Gray	**GKM 2 GY**	**1750485**	100

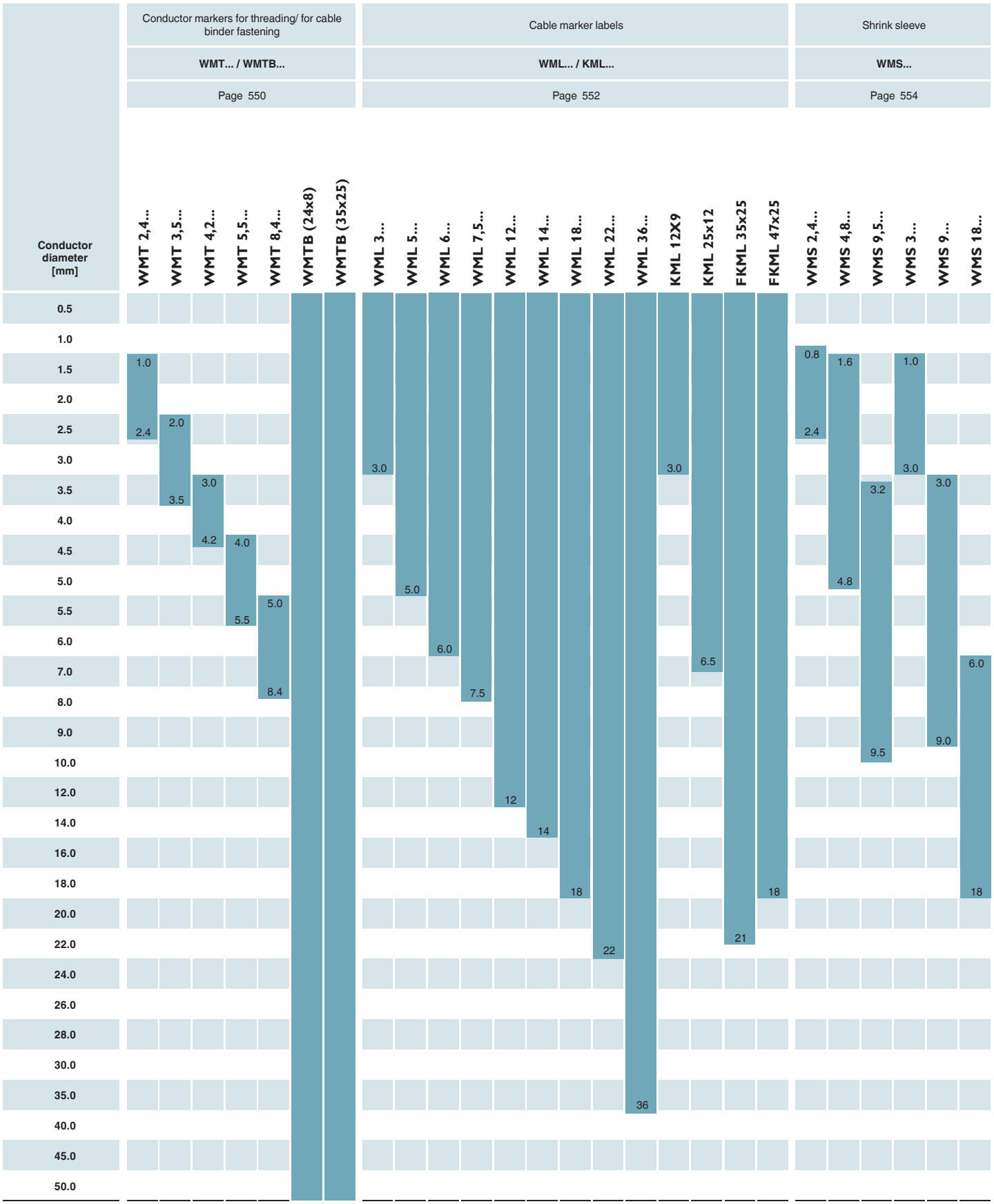
Accessories

Marker tags, 5-section, unprinted, labeling with X-PEN, B-STIFT, plotter or BKMT 20 x 8 label				
Lettering field size: 20 x 8 mm		**SS-ZB WH**	**5031171**	50
Lettering field size: 20 x 8 mm		**SS-ZB YE**	**5031650**	50

Markers for labeling with BLUEMARK or plotters



Markers for labeling with THERMOMARK printers





Informative labeling of electrical and electronic control cabinet components is the prerequisite for safe and effective work. As with comprehensive technical documentation, labeling all items increases the availability of the switchgear and simplifies maintenance.

Last but not least, equipment identification improves the quality of the control cabinets and switchgear. Phoenix Contact offers a wide range of labels and tags. Depending on the type, they can be labeled using BLUEMARK, thermal transfer printers, the plotter, engraving devices, commercially available desktop laser printers or by hand.

A complete range of plastic labels is available for BLUEMARK; for the control cabinet as well as for buttons and switching devices.

The labeling of all printing systems is characterized by excellent wipe and scratch resistance.

Self-adhesive labels are made of a two-layer material that can be ideally labeled using the new engraving device for the plotter, and are particularly lasting in the case of frequently used buttons and switches.

Contact us if you do not find a suitable size or color for your application in our product range.

Needless to say, Phoenix Contact offers a comprehensive engraving and labeling service in the field of equipment marking as well. Give us a challenge!



Self-adhesive device markers on a UniCard sheet, can be labeled using the BLUEMARK printer or a plotter. The labels can be easily separated from the sheet; partly used UniCard sheets can always be reused.



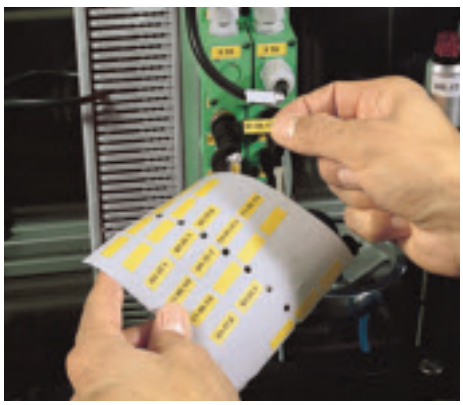
CARRIER-EMP marker carriers along with the UC-EMP ... snap-in labels help in the clear marking of devices and control cabinets. The marker carriers are designed for screw mounting.



CARRIER EMP 22 marker carriers along with the UC-EMP ... snap-in labels help in the problem-free identification of control devices such as buttons and switches with a 22 mm diameter.



An extensive range of UC-EM UniCard sheets is available for equipment marking. They are for marking controllers, contactors, valve connectors as well as sensor/actuator boxes.



The self-adhesive EML device markers have been developed for thermal transfer marking of operating equipment in controller, system and control cabinet engineering. They are characterized by a high adhesive force and an accurate printing quality that is resistant to solvents.



The self-adhesive EMLP labels have a high-quality look and a high resistance against chemical and mechanical influences. The markers are predominantly used to mark components, devices and buttons.



The GPE label sheets consist of a two-layer material that is ideal for engraving, e.g. with the P1 ENGRAVING UNIT of the CMS-P1-PLOTTER. However, the pre-fabricated self-adhesive labels can also be labeled directly by hand or using a plotter.



For small quantities or in case a thermal transfer printer is not available, Phoenix Contact offers labels that can be printed using commercially available desktop laser printers. Sheets are provided with margins so that labels can be removed easily.



Devices are marked with PAB-SK using an insert strip that is slid into the self-adhesive transparent sleeve. The insert strips can be labeled using BLUEMARK or a plotter.

Equipment marking with self-adhesive markers



The self-adhesive UC-EMLP ... device markers can be easily labeled with the plotter or by hand. Due to the good adhesive properties and the large temperature usage range, the labels can be used in control cabinets as well as in the field.

Can be printed with:



BLUEMARK



CMS-P1-PLOTTER



UC-EMLP ...

General data		
Material		PA
Inflammability class acc. to UL 94		V2
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
UniCard sheet, with self-adhesive plastic labels, can be labeled with BLUEMARK and CMS-P1-PLOTTER				
10-section, llettering field size: 11 x 9 mm	White	**UC-EMLP (11X9)**	**0819291**	10
	Yellow	**UC-EMLP (11X9) YE**	**0822602**	10
	Silver	**UC-EMLP (11X9) SR**	**0828094**	10
10-section, lettering field size: 15 x 5 mm	White	**UC-EMLP (15X5)**	**0819301**	10
	Yellow	**UC-EMLP (15X5) YE**	**0822615**	10
	Silver	**UC-EMLP (15X5) SR**	**0828095**	10
10-section, lettering field size: 17 x 9 mm	White	**UC-EMLP (17X9)**	**0819314**	10
	Yellow	**UC-EMLP (17X9) YE**	**0822628**	10
	Silver	**UC-EMLP (17X9) SR**	**0828096**	10
10-section, lettering field size:20 x 8 mm	White	**UC-EMLP (20X8)**	**0819327**	10
	Yellow	**UC-EMLP (20X8) YE**	**0822631**	10
	Silver	**UC-EMLP (20X8) SR**	**0828097**	10
6-section, lettering field size: 22 x 22 mm	White	**UC-EMLP (22X22)**	**0825463**	10
	Yellow	**UC-EMLP (22X22) YE**	**0825464**	10
	Silver/matt	**UC-EMLP (22X22) SR**	**0825465**	10
8-section, lettering field size: 27 x 12.5 mm	White	**UC-EMLP (27X12,5)**	**0825469**	10
	Yellow	**UC-EMLP (27X12,5) YE**	**0825470**	10
	Silver/matt	**UC-EMLP (27X12,5) SR**	**0825471**	10
8-section, lettering field size: 27 x 18 mm	White	**UC-EMLP (27X18)**	**0825475**	10
	Yellow	**UC-EMLP (27X18) YE**	**0825476**	10
	Silver/matt	**UC-EMLP (27X18) SR**	**0825477**	10
6-section, lettering field size: 27 x 27 mm	White	**UC-EMLP (27X27)**	**0825481**	10
	Yellow	**UC-EMLP (27X27) YE**	**0825482**	10
	Silver/matt	**UC-EMLP (27X27) SR**	**0825483**	10
4-section, lettering field size: 60 x 15 mm	White	**UC-EMLP (60X15)**	**0819330**	10
	Yellow	**UC-EMLP (60X15) YE**	**0822644**	10
	Silver	**UC-EMLP (60X15) SR**	**0828088**	10
3-section, lettering field size: 60 x 30 mm	White	**UC-EMLP (60X30)**	**0819343**	10
	Yellow	**UC-EMLP (60X30) YE**	**0822657**	10
	Silver	**UC-EMLP (60X30) SR**	**0828091**	10

Accessories

Plastic magazine, for CMS-P1-PLOTTER, for accommodating: UC-EM ...,UC-EMP ..., UC-EMLP ...			
For accommodating UC-EM..., UC-EMP..., UC-EMLP...	**P1 UC-MAG 6**	**5146121**	1

Equipment marking with self-adhesive markers



All UC-EMLP... device markers can also be supplied with a labeling as per customer specifications.

[1]) For ordering example, see page 601.



UC-EMLP ... CUS

General data		
Material		PA
Inflammability class acc. to UL 94		V2
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
UniCard sheet, with self-adhesive plastic labels, **labeled according to customer requirements**[1])				
10-section, lettering field size: 11 x 9 mm	White	**UC-EMLP (11X9) CUS**	**0824547**	1
	Yellow	**UC-EMLP (11X9) YE CUS**	**0824548**	1
	Silver	**UC-EMLP (11X9) SR CUS**	**0828098**	1
10-section, lettering field size: 15 x 5 mm	White	**UC-EMLP (15X5) CUS**	**0824550**	1
	Yellow	**UC-EMLP (15X5) YE CUS**	**0824551**	1
		UC-EMLP (15X5) SR CUS	**0828099**	1
10-section, lettering field size: 17 x 9 mm	White	**UC-EMLP (17X9) CUS**	**0824553**	1
	Yellow	**UC-EMLP (17X9) YE CUS**	**0824554**	1
	Silver	**UC-EMLP (17X9) SR CUS**	**0828100**	1
10-section, lettering field size:20 x 8 mm	White	**UC-EMLP (20X8) CUS**	**0824556**	1
	Yellow	**UC-EMLP (20X8) YE CUS**	**0824557**	1
	Silver	**UC-EMLP (20X8) SR CUS**	**0828101**	1
6-section, lettering field size: 22 x 22 mm	White	**UC-EMLP (22X22) CUS**	**0826985**	1
	Yellow	**UC-EMLP (22X22) YE CUS**	**0826986**	1
	Silver/matt	**UC-EMLP (22X22) SR CUS**	**0826987**	1
8-section, lettering field size: 27 x 12.5 mm	White	**UC-EMLP (27X12,5) CUS**	**0826967**	1
	Yellow	**UC-EMLP (27X12,5) YE CUS**	**0826968**	1
	Silver/matt	**UC-EMLP (27X12,5) SR CUS**	**0826969**	1
8-section, lettering field size: 27 x 18 mm	White	**UC-EMLP (27X18) CUS**	**0826970**	1
	Yellow	**UC-EMLP (27X18) YE CUS**	**0826971**	1
	Silver/matt	**UC-EMLP (27X18) SR CUS**	**0826972**	1
6-section, lettering field size: 27 x 27 mm	White	**UC-EMLP (27X27) CUS**	**0826973**	1
	Yellow	**UC-EMLP (27X27) YE CUS**	**0826974**	1
	Silver/matt	**UC-EMLP (27X27) SR CUS**	**0826975**	1
4-section, lettering field size: 60 x 15 mm	White	**UC-EMLP (60X15) CUS**	**0824559**	1
	Yellow	**UC-EMLP (60X15) YE CUS**	**0824560**	1
	Silver	**UC-EMLP (60X15) SR CUS**	**0828090**	1
3-section, lettering field size: 60 x 30 mm	White	**UC-EMLP (60X30) CUS**	**0824562**	1
	Yellow	**UC-EMLP (60X30) YE CUS**	**0824563**	1
	Silver	**UC-EMLP (60X30) SR CUS**	**0828093**	1

Equipment marking for marker carrier



The UC-EMP ... device marker is ideal for assembly in existing CARRIER EMP 22... label frames and switching devices. The good wiping resistance and the large operable temperature range enable their use in and around the control cabinet and in the field.

[1]) For ordering example, see page 601.

Can be printed with:



BLUEMARK



CMS-P1-PLOTTER



UC-EMP ...

General data		
Material		PA
Inflammability class acc. to UL 94		V2
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
UniCard sheet, 1.2 mm thick, can be labeled with BLUEMARK and CMS-P1-PLOTTER				
10-section, lettering field size: 27 x 8 mm	White	**UC-EMP (27X8)**	**0825427**	10
	Yellow	**UC-EMP (27X8) YE**	**0825428**	10
	Silver	**UC-EMP (27X8) SR**	**0825429**	10
8-section, lettering field size: 27 x 12.5 mm	White	**UC-EMP (27X12,5)**	**0825433**	10
	Yellow	**UC-EMP (27X12,5) YE**	**0825434**	10
	Silver	**UC-EMP (27X12,5) SR**	**0825435**	10
8-section, lettering field size: 27 x 15 mm	White	**UC-EMP (27X15)**	**0825439**	10
	Yellow	**UC-EMP (27X15) YE**	**0825440**	10
	Silver	**UC-EMP (27X15) SR**	**0825441**	10
8-section, lettering field size: 27 x 18 mm	White	**UC-EMP (27X18)**	**0825445**	10
	Yellow	**UC-EMP (27X18) YE**	**0825446**	10
	Silver	**UC-EMP (27X18) SR**	**0825447**	10
6-section, lettering field size: 27 x 27 mm	White	**UC-EMP (27X27)**	**0825451**	10
	Yellow	**UC-EMP (27X27) YE**	**0825452**	10
	Silver	**UC-EMP (27X27) SR**	**0825453**	10
6-section, lettering field size: 27 x 27 mm	White	**UC-EMP (27X27)**	**0825451**	10
	Yellow	**UC-EMP (27X27) YE**	**0825452**	10
	Silver	**UC-EMP (27X27) SR**	**0825453**	10
UniCard sheet, 1.2 mm thick, **labeled according to customer requirements**[1])				
10-section, lettering field size: 27 x 8 mm	White	**UC-EMP (27X8) CUS**	**0827631**	1
	Yellow	**UC-EMP (27X8) YE CUS**	**0827640**	1
	Silver	**UC-EMP (27X8) SR CUS**	**0827651**	1
8-section, lettering field size: 27 x 12.5 mm	White	**UC-EMP (27X12,5) CUS**	**0827632**	1
	Yellow	**UC-EMP (27X12,5) YE CUS**	**0827641**	1
	Silver	**UC-EMP (27X12,5) SR CUS**	**0827652**	1
8-section, lettering field size: 27 x 15 mm	White	**UC-EMP (27X15) CUS**	**0827633**	1
	Yellow	**UC-EMP (27X15) YE CUS**	**0827642**	1
	Silver	**UC-EMP (27X15) SR CUS**	**0827653**	1
8-section, lettering field size: 27 x 18 mm	White	**UC-EMP (27X18) CUS**	**0827634**	1
	Yellow	**UC-EMP (27X18) YE CUS**	**0827643**	1
	Silver	**UC-EMP (27X18) SR CUS**	**0827654**	1
6-section, lettering field size: 27 x 27 mm	White	**UC-EMP (27X27) CUS**	**0827635**	1
	Yellow	**UC-EMP (27X27) YE CUS**	**0827644**	1
	Silver	**UC-EMP (27X27) SR CUS**	**0827655**	1

Accessories

Plastic magazine, for CMS-P1-PLOTTER, for accommodating: UC-EM ...,UC-EMP ..., UC-EMLP ...			
For accommodating UC-EM..., UC-EMP..., UC-EMLP...	**P1 UC-MAG 6**	**5146121**	1

Marker carrier



The CARRIER EMP 22 marker carriers along with the snap-in markers UC-EMP … help in problem-free identification of control devices such as buttons and switches with 22 mm diameter. The marker carriers are mounted together with the control device.



CARRIER EMP 22 ...

General data		
Material		PA
Inflammability class acc. to UL 94		V2
Temperature range	[°C]	-40 ... 105
Components		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Marker carrier, for UCEMP... snap-in labels				
Marker size: 27 x 8 mm	Black	**CARRIER EMP 22 (27X8)**	**0827445**	50
Marker size: 27 x 12.5 mm	Black	**CARRIER EMP 22 (27X12,5)**	**0827446**	50
Marker size: 27 x 15 mm	Black	**CARRIER EMP 22 (27X15)**	**0827447**	50
Marker size: 27 x 18 mm	Black	**CARRIER EMP 22 (27X18)**	**0827448**	50
Marker size: 27 x 27 mm	Black	**CARRIER EMP 22 (27X27)**	**0827449**	50

Equipment marking for marker carrier



The UC-EMP ... device marker is ideal for assembly in existing CARRIER-EMP ... label frames and switching devices. The good wiping resistance and the large operable temperature range enable their use in and around the control cabinet and in the field.

[1]) For ordering example, see page 601.

Can be printed with:



BLUEMARK



CMS-P1-PLOTTER



UC-EMP ...

General data		
Material		PA
Inflammability class acc. to UL 94		V2
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
UniCard sheet, 1.2 mm thick, can be labeled with BLUEMARK and CMS-P1-PLOTTER				
8-section, lettering field size: 17 x 15 mm	White	**UC-EMP (17X15)**	**0825421**	10
	Yellow	**UC-EMP (17X15) YE**	**0825422**	10
	Silver	**UC-EMP (17X15) SR**	**0825423**	10
8-section, lettering field size: 27 x 15 mm	White	**UC-EMP (27X15)**	**0825439**	10
	Yellow	**UC-EMP (27X15) YE**	**0825440**	10
	Silver	**UC-EMP (27X15) SR**	**0825441**	10
4-section, lettering field size: 49 x 15 mm	White	**UC-EMP (49X15)**	**0825457**	10
	Yellow	**UC-EMP (49X15) YE**	**0825458**	10
	Silver	**UC-EMP (49X15) SR**	**0825459**	10
4-section, lettering field size: 60 x 15 mm	White	**UC-EMP (60X15)**	**0822259**	10
	Yellow	**UC-EMP (60X15) YE**	**0825330**	10
	Silver	**UC-EMP (60X15) SR**	**0827647**	10
3-section, lettering field size: 60 x 30 mm	White	**UC-EMP (60X30)**	**0822275**	10
	Yellow	**UC-EMP (60X30) YE**	**0825331**	10
	Silver	**UC-EMP (60X30) SR**	**0827648**	10
UniCard sheet, 1.2 mm thick, **labeled according to customer requirements**[1])				
8-section, lettering field size: 17 x 15 mm	White	**UC-EMP (17X15) CUS**	**0827626**	1
	Yellow	**UC-EMP (17X15) YE CUS**	**0827638**	1
	Silver	**UC-EMP (17X15) SR CUS**	**0827649**	1
8-section, lettering field size: 27 x 15 mm	White	**UC-EMP (27X15) CUS**	**0827633**	1
	Yellow	**UC-EMP (27X15) YE CUS**	**0827642**	1
	Silver	**UC-EMP (27X15) SR CUS**	**0827653**	1
4-section, lettering field size: 49 x 15 mm	White	**UC-EMP (49X15) CUS**	**0827636**	1
	Yellow	**UC-EMP (49X15) YE CUS**	**0827645**	1
	Silver	**UC-EMP (49X15) SR CUS**	**0827656**	1
4-section, lettering field size: 60 x 15 mm	White	**UC-EMP (60X15) CUS**	**0824569**	1
	Yellow	**UC-EMP (60X15) YE CUS**	**0826685**	1
	Silver	**UC-EMP (60X15) SR CUS**	**0827657**	1
3-section, lettering field size: 60 x 30 mm	White	**UC-EMP (60X30) CUS**	**0824571**	1
3-section, lettering field size: 60 x 30 mm	Yellow	**UC-EMP (60X30) YE CUS**	**0826687**	1
3-section, lettering field size: 60 x 30 mm	Silver	**UC-EMP (60X30) SR CUS**	**0827658**	1

Accessories

Plastic magazine, for CMS-P1-PLOTTER, for accommodating: UC-EM ...,UC-EMP ..., UC-EMLP ...			
For accommodating UC-EM..., UC-EMP..., UC-EMLP...	**P1 UC-MAG 6**	**5146121**	1

Marker carrier



The CARRIER-EMP ... marker carriers along with the UC-EMP ... plastic labels help in clear marking of devices and control cabinets. They have been designed for screw mounting.



CARRIER-EMP ...

General data		
Material		PA
Inflammability class acc. to UL 94		V2
Temperature range	[°C]	-40 ... 105
Components		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Marker carrier, for UCEMP... snap-in labels				
Marker size: 17 x 15 mm	Black	**CARRIER-EMP (17X15)**	**0827450**	80
Marker size: 27 x 15 mm	Black	**CARRIER-EMP (27X15)**	**0827451**	80
Marker size: 49 x 15 mm	Black	**CARRIER-EMP (49X15)**	**0827452**	40
Marker size: 60 x 15 mm	Black	**CARRIER-EMP (60X15)**	**0827453**	40
Marker size: 60 x 30 mm	Black	**CARRIER-EMP (60X30)**	**0827454**	30



Phoenix Contact	UC-EMP (27X8)	UC-EMP (27X12,5)	UC-EMP (27X15)	UC-EMP (27X18)	UC-EMP (27X27)
CARRIER-EMP 22 (27 x 8)					
CARRIER-EMP 22 (27 x 12,5)					
CARRIER-EMP 22 (27 x 15)					
CARRIER-EMP 22 (27 x 18)					
CARRIER-EMP 22 (27 x 27)					



Phoenix Contact	UC-EMP (17X15)	UC-EMP (27X15)	UC-EMP (49X15)	UC-EMP (60X15)	UC-EMP (60 X30)
CARRIER-EMP (17 x 15)					
CARRIER-EMP (27 x 15)					
CARRIER-EMP (49 x 15)					
CARRIER-EMP (60 x 15)					
CARRIER-EMP (60 x 30)					





	UC-EMP (17X15)	UC-EMLP (22X22)	UC-EMP (27X8)	UC-EMP (27X12,5)	UC-EMP (27X15)	UC-EMP (27X18)	UC-EMP (27X27)	UC-EMP (49X15)	UC-EMP (60X15)	UC-EMP (60X30)
ABB										
MA6-1060				■						
BSH-A			■							
BSH-B						■				
Conta-Clip										
GSU-H 17 x 15	■									
GSU-H 27 x 15					■					
GSU-H 49 x 15								■		
GSU-H 60 x 15									■	
GSU-H 60 x 30										■
Grafoplast										
SIT 0A06...					■					
SIT 0A07...								■		
SIT 0B05...					■					
SIT 0B07...					■					
SIT 0B08...							■			
SIT 0B09...			■							
Moeller										
M22S-ST-X						■				
Murrplastik										
BT 22,5			■							
BTK 22,5					■					
BT Harmony ZB4			■							
BT 15/27					■					
BT 15/49								■		
Siemens										
3SB3922-0AY				■						
3SB3925-0AV						■				
3SB1906-2AA							■			
3SB1906-2AW							■			
Empty housing 3SB38...		■								
Weidmüller										
SM-H 27/12,5				■						
SM-H 27/18						■				
SM-H 27/27							■			
CC-H 15/17	■									
CC-H 15/27					■					
CC-H 15/49								■		
CC-H 30/60										■

Equipment marking



The UC-EM ... device markers are switching devices developed for use in devices and switching devices from various manufacturers. The good wiping resistance and the large operable temperature range enable their use in and around the control cabinet and in the field.

An overview of the devices supported and the manufacturers has been provided on the following pages.

Plastic magazine, for CMS-P1-PLOTTER, for accommodating the UniCard sheet, UC-EM ... see page 611.

Can be printed with:



BLUEMARK



CMS-P1-PLOTTER



UC-EM ...

General data		
Number of individual labels		20
Number of individual labels per strip		4
Material		PA
Inflammability class acc. to UL 94		V2
Temperature range	[°C]	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
UniCard sheet, 1.2 mm thick, can be labeled with BLUEMARK and CMS-P1-PLOTTER				
20-section, lettering field size: 10 x 7 mm	White	**UC-EM (10X7)**	**0825487**	10
	Turquoise	**UC-EM (10X7) TQ**	**0825488**	10
20-section, lettering field size: 10 x 8 mm	White	**UC-EM (10X8)**	**0825491**	10
	Turquoise	**UC-EM (10X8) TQ**	**0825492**	10
20-section, lettering field size: 17.5 x 7.5 mm	White	**UC-EM (17,5X7,5)**	**0825495**	10
20-section, lettering field size: 17.5 x 8 mm	White	**UC-EM (17,5X8)**	**0823766**	10
20-section, lettering field size: 18 x 8 mm	White	**UC-EM (18X8)**	**0825497**	10
20-section, lettering field size: 19 x 9 mm	White	**UC-EM (19X9)**	**0827492**	10
	Yellow	**UC-EM (19X9) YE**	**0827496**	10
20-section, lettering field size: 20 x 7 mm	White	**UC-EM (20X7)**	**0825499**	10
	Turquoise	**UC-EM (20X7) TQ**	**0825500**	10
20-section, lettering field size: 20 x 9 mm	White	**UC-EM (20X9)**	**0825503**	10
	Yellow	**UC-EM (20X9) YE**	**0827637**	10
	Turquoise	**UC-EM (20X9) TQ**	**0825504**	10
20-section, lettering field size: 21 x 8 mm	White	**UC-EM (21X8)**	**0825507**	10

Equipment marking



All UC-EM ... device markers can also be supplied with labeling as per customer specifications.

[1]) For ordering example, see page 601.

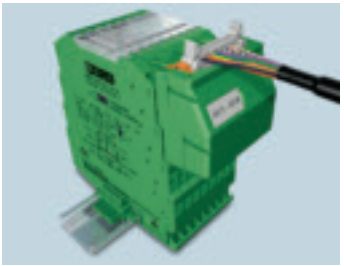


UC-EM ... CUS

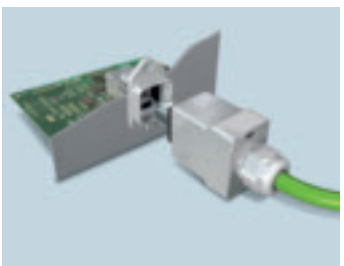
General data	
Number of individual labels	20
Number of individual labels per strip	4
Material	PA
Inflammability class acc. to UL 94	V2
Temperature range [°C]	-40 ... 120
Wipe resistance	DIN EN 61010-1 (VDE 0411-1)
Components	Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
UniCard sheet, 1.2 mm thick, **labeled according to customer requirements**[1])				
20-section, lettering field size: 10 x 7 mm	White	**UC-EM (10X7) CUS**	**0827623**	1
	Turquoise	**UC-EM (10X7) TQ CUS**	**0827659**	1
20-section, lettering field size: 10 x 8 mm	White	**UC-EM (10X8) CUS**	**0827624**	1
	Turquoise	**UC-EM (10X8) TQ CUS**	**0827660**	1
20-section, lettering field size: 17.5 x 7.5 mm	White	**UC-EM (17,5X7,5) CUS**	**0827625**	1
20-section, lettering field size: 17.5 x 8 mm	White	**UC-EM (17,5X8) CUS**	**0824567**	1
20-section, lettering field size: 18 x 8 mm	White	**UC-EM (18X8) CUS**	**0827627**	1
20-section, lettering field size: 19 x 9 mm	White	**UC-EM (19X9) CUS**	**0828240**	1
	Yellow	**UC-EM (19X9) YE CUS**	**0828241**	1
20-section, lettering field size: 20 x 7 mm	White	**UC-EM (20X7) CUS**	**0827628**	1
	Turquoise	**UC-EM (20X7) TQ CUS**	**0827661**	1
20-section, lettering field size: 20 x 9 mm	White	**UC-EM (20X9) CUS**	**0827629**	1
	Yellow	**UC-EM (20X9) YE CUS**	**0827639**	1
	Turquoise	**UC-EM (20X9) TQ CUS**	**0827662**	1
20-section, lettering field size: 21 x 8 mm	White	**UC-EM (21X8) CUS**	**0827630**	1



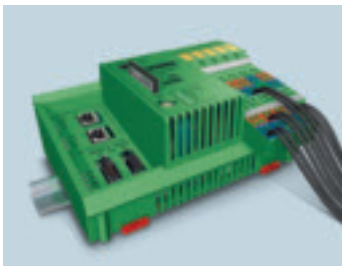
	UC-TM 5	UC1U-TM 5	UC-TM 6	UC-TM 16	UC-TMF 5	UC-TMF 6	UC-TMF 8	UC-TMF 10	UC-TMF 12	UC-TMF 16	UC-WMT (23X4)	UC-EMP (20X7)	UC-EMP (20X9)
INTERFACE													
Sensor box with PSR-SACB M12 slots										■			
PLC-B..., PLC-O..., PLC-R... INTERFACE relay			■										
DEK-REL... relay terminal block			■										
DEK-OE... special relay			■										
DEK-TR... inverter module			■										■
COMPACT-LINE UM 45...									■				
PI-EX... PROCESS INTERFACE						■							



	UC-TM 5	UC1U-TM 5	UC-TM 6	UC-TM 16	UC-TMF 5	UC-TMF 6	UC-TMF 8	UC-TMF 10	UC-TMF 12	UC-TMF 16	UC-WMT (23X4)	UC-EMP (20X7)	UC-EMP (20X9)
PLUSCON													
SACB with M8 slots								■					
SACB with M12 slots										■			
SACB with M5 slots		■											
Sensor/actuator cabling accessories											■		
VS-SCRJ..., VS-IL-2X... data connectors							■						
ASI CC DIST... AS interface distributor							■						
VS-SI... data front plate												■	
HC-M... modular contact insert													■
HEAVYCON HC-KA-B... heavy connectors			■										
HEAVYCON HC-KA-D... heavy connectors	■												



	UC-TM 5	UC1U-TM 5	UC-TM 6	UC-TM 16	UC-TMF 5	UC-TMF 6	UC-TMF 8	UC-TMF 10	UC-TMF 12	UC-TMF 16	UC-WMT (23X4)	UC-EMP (20X7)	UC-EMP (20X9)
TRABTECH													
FLASHTRAB compact PLUS lightning arrester										■			
FLASHTRAB PLUS lightning arrester										■			
FLASHTRAB compact lightning arrester										■			
VALVETRAB compact surge arrester													
VALVETRAB MS surge arrester						■				■			
MAINS-PLUGTRAB device protection										■			
PLUGTRAB PT… pluggable surge protection cascade					■								
TT… modular terminal blocks with surge protection elements				■									
TT-PI... basic terminal blocks							■						



	UC-TM 5	UC1U-TM 5	UC-TM 6	UC-TM 16	UC-TMF 5	UC-TMF 6	UC-TMF 8	UC-TMF 10	UC-TMF 12	UC-TMF 16	UC-WMT (23X4)	UC-EMP (20X7)	UC-EMP (20X9)
AUTOMATION													
Inline Modular, Inline Block IO						■							
Interbus ST...			■										
Fieldline Stand-Alone M12									■				
Fieldline Modular M12									■				
Fieldline Modular M8							■						
Fieldline Extension M8							■						
Fieldline Wireless IO M12									■				



	UC-EM (10X7)	UC-EM (10X8)	UC-EM (17,5X7,5)	UC-EM (17,5X8)	UC-EM (19X9)	UC-EM (20X7)	UC-EM (20X9)	UC-EM (21X8)
ABB								
S 221... miniature circuit breaker - S 223..., S 281...-S 284...			■					
F271... residual current circuit breaker F172...			■					
Switch, button, indicator lights E 221..., E 222..., E 223...			■					
Switch, button, indicator lights E 225..., E 226..., E 227..., E 227...			■					
STD... power dimmer			■					
NTLS... power supply unit			■					
RS 232... power distributor counter			■					
ESB..., EN... installation contactors			■					
LE1..., LE3..., LP1-3..., LPUC 1/2, LP1NA..., LP3NA... miniature circuit breaker			■					
F..., FIP..., FIK..., FI-LP..., FIS... residual current circuit breaker			■					
FISG... FI signal encoder			■					
IS... load switch			■					
SA 4... surge arrester			■					
Logic modules			■					
LM..., DO..., DX... logic and extension module				■				
ifm-electronic								
AC52... Classicline distribution module				■				
AC2480 active AS-i module		■						
AC50... module lower part		■						
AC225... active AS-i module						■		■
Lumberg								
Interbus remote bus terminal module			■					
Profibus-DP...			■					
CSL... CANopen device			■					
DSL... DeviceNet device			■					
AS-Interface module			■					
EEC... Ethernet switch			■					
ASB actuator/sensor distributor			■					
VAD... valve adapter					■			
VBD... valve adapter					■			
UEM ... I/O module					■			
Profibus-DP PSL 7...					■			
ASL 501 AS-Interface module		■						



	UC-EM (10X7)	UC-EM (10X8)	UC-EM (17,5X7,5)	UC-EM (17,5X8)	UC-EM (19X9)	UC-EM (20X7)	UC-EM (20X9)	UC-EM (21X8)
Moeller								
DILET 11..., DILET 70..., EMR 4... function relay				■				
EASY 5..., EASY 7..., EASY 2..., EASY 6..., EASY 200-EASY basic device and extension module				■				
DILER, DILEM contactor							■	
ZE..., ZEV... relay				■				
Siemens								
K45.../K60...ASI Slaves I/O module							■	
K45.../K60... ASIsafe module, K45/K60 mounting plate							■	
S22.5.../S45... ASI Slaves SlimLine						■		
ASI Slaves counter module, ground fault detection module						■		
ASI Slaves surge protection module		■						
ASI repeater, 4x distributor, round cable distributor		■						
K20... ASI compact module		■						
Contactor, auxiliary contactor, contactor combination, control switch block						■		
3RH 1921 control switch blocks	■					■		
EMC interference suppression module						■		
Solid-state relay, semiconductor contactor, special function module						■		
Circuit breaker, el. overload relay, therm. overload relay						■		
Soft starter, direct starter						■		
Motor management and control units, time relay, monitoring relay, safety relay						■		



	UC-EM (18X8)	UC-EM (21X8)
Telemecanique		
GC 1610, 1611, 1620, 2502 standard contactor	■	
GC 1622, 1630, 1640, 2504 standard contactor		■
GC 2510, 2511, 2520 standard contactor	■	
GC 2522, 2530, 2540 standard contactor		■
GC 4002, 4004, 4011, 4020, 4022, 4030, 4040 standard contactor		■
GC 6302, 6304, 6311, 6320, 6322, 6330, 6340 standard contactor		■
GC 10020, 10040 standard contactor		■
GY 1611, 1620 preselection contactor	■	
GY 1640 preselection contactor		■
GY 2511, 2520 preselection contactor	■	
GY 2530, 2540 preselection contactor		■
GY 4020, 4030, 4040 preselection contactor		■
GY 6320, 6330, 6340 preselection contactor		■
TeSys LD1... motor output combination		■
HL contactors LD4... motor output combination		■
LD5... motor output combination/reversing combination		■



	UC1-TMF 5	UC1-TM 5	UC-EM (19X99)	UC-EMLP (17,5X9)
Weidmüller				
M8 distributor systems	■			
M5 distributor systems		■		
Actuator/sensor interface		■		
Actuator/sensor interface line		■		
M12 distributor systems			■	
M12 metal distributor systems				■

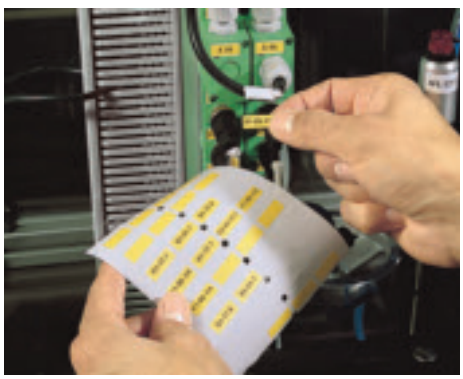
Equipment marking with self-adhesive labels



The self-adhesive device markers EML ... from Phoenix Contact were developed for marking operating equipment in control, mechanical and control cabinet engineering. A special packaging protects opened reels from dirt in industrial surroundings.

The device markers can be labeled with THERMOMARK printers from Phoenix Contact and are characterized by high adhesive properties and accurate printing quality. Using high quality ink ribbons makes the labeling resistant to solvents so that it can be used even under rough industrial conditions.

A large number of marker sizes and colors are available for individual configuration.



Can be printed with:



THERMOMARK S1...



THERMOMARK X1...



EML ...R

White

General data		
Material		Polyester
Temperature range	[°C]	-40 ... 100
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Labels for thermal transfer printer				
1 roll = 10,000 labels	White	**EML (10X4)R**	**0815583**	1
1 roll = 10,000 labels	White	**EML (10X7)R**	**0816663**	1
1 roll = 2,500 labels	Yellow			
1 roll = 2,500 labels	White	**EML (15X9)R**	**0815677**	1
1 roll = 2,500 labels	White	**EML (16,5X5)R**	**0816702**	1
1 roll = 10,000 labels	White	**EML (16X7)R**	**0818001**	1
1 roll = 2,500 labels	White	**EML (17,5X8)R**	**0816744**	1
1 roll = 2,500 labels	White	**EML (19X6)R**	**0816760**	1
1 roll = 5,000 labels	Yellow			
1 roll = 2,500 labels	White	**EML (20X8)R**	**0816786**	1
1 roll = 2,500 labels	Silver/matt			
1 roll = 2,500 labels	White	**EML (25,4X12,7)R**	**0816825**	1
1 roll = 2,500 labels	Silver/matt			
1 roll = 2,500 labels	Silver/matt			
1 roll = 2,500 labels	Yellow			
1 roll = 2,500 labels	Silver/matt			
1 roll = 1,000 labels	Silver/matt			
1 roll = 2,500 labels	White	**EML (30X20)R**	**0816922**	1
1 roll = 2,500 labels	White	**EML (38X17)R**	**0816951**	1
1 roll = 1,000 labels	White	**EML (40X8)R**	**0816980**	1
1 roll = 1,000 labels	Silver/matt			
1 roll = 1,000 labels	White	**EML (40X25)R**	**0818027**	1
1 roll = 1,000 labels	White	**EML (51X25)R**	**0817028**	1
1 roll = 1,000 labels	White	**EML (70X32)R**	**0817060**	1
1 roll = 400 labels	White	**EML (70X50)R**	**0817099**	1
1 roll = 2,500 labels	White	**EML (90X5)R**	**0817109**	1
1 roll = 300 labels	White	**EML (100X73)R**	**0817125**	1
1 roll = 250 labels	White	**EML (100X90)R**	**0817154**	1
Labels, only for THERMOMARK X1				
1 roll = 10,000 labels	White	**EML (16,5X5)RL**	**0816113**	1
1 roll = 10,000 labels	Yellow			
1 roll = 10,000 labels	White	**EML (25,4X12,7)RL**	**0816087**	1
1 roll = 10,000 labels	White	**EML (38,1X19)RL**	**0816171**	1
1 roll = 3,000 labels	White	**EML (50,8X25,4)RL**	**0816184**	1
1 roll = 3,000 labels	White	**EML (69,8X31,8)RL**	**0816197**	1
1 roll = 2,500 labels	Yellow			
1 roll = 1,000 labels	Silver/matt			
Labels for thermal transfer printers, round				
1 roll = 2,500 labels	White	**EML (D17,5)R**	**0815774**	1
Fabric label				
1 roll = 2,500 labels	White	**EMLC (5,5X20)R**	**0817617**	1
	White	**EMLC (5,5X40)R**	**0817620**	1
1 roll = 2,500 labels	White	**EMLC (20X8)R**	**0815680**	1
Fabric label, only for THERMOMARK X1				
1 roll = 10,000 labels	Yellow			
Endless label				
	White	**EML (110XE)R**	**0815596**	1
Endless label, only for THERMOMARK X1				
	Silver/matt			

Accessories

Ink ribbon, Length: 300 m, width: 110 mm, printing color: Black	**THERMOMARK-RIBBON 110**	**5145384**	1



EML ... R YE

Yellow



EML ... R SR

Silver/matt

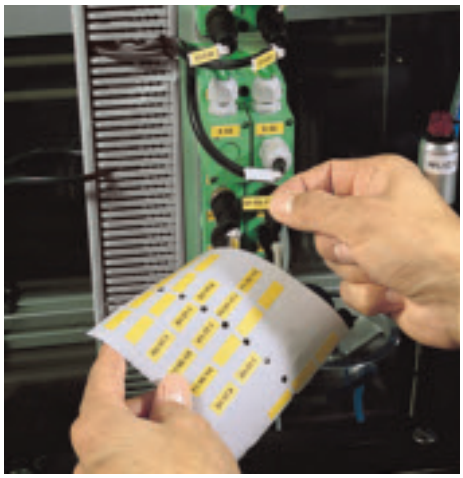
Polyester
-40 ... 100
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Type	Order No.	Pcs. / Pkt.
EML (10X7)R YE	0816676	1
EML (15X6) R YE	0819288	1
EML (15X9)R YE	0816045	1
EML (16,5X5)R YE	0816728	1
EML (16X7)R YE	0816731	1
EML (17,5X8)R YE	0816757	1
EML (20X7)R YE	0816773	1
EML (20X8)R YE	0816799	1
EML (25,4X12,7)R YE	0816838	1
EML (26,5X17,5)R YE	0816896	1
EML (30X20)R YE	0816935	1
EML (40X25)R YE	0816977	1
EML (51X25)R YE	0817031	1
EML (70X32)R YE	0817073	1
EML (100X73)R YE	0817138	1
EML (100X90)R SR	0817141	1
EML (16,5X5)RL YE	0816126	1
EML (17,5X8)RL YE	0816139	1
EML (76,2X6,5)RL YE	0816207	1
EMLC (20X8)RL YE	0815800	1
EML (110XE)R YE	0815606	1
THERMOMARK-RIBBON 110	5145384	1

Polyester
-40 ... 100
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Type	Order No.	Pcs. / Pkt.
EML (15X9)R SR	0816032	1
EML (21,5X21,5)R SR	0816812	1
EML (26,5X7,5)R SR	0816841	1
EML (26,5X12)R SR	0816854	1
EML (26,5X17,5)R SR	0816883	1
EML (26,5X18,5)R SR	0816906	1
EML (26,5X26,5)R SR	0816919	1
EML (40X15)R SR	0815729	1
EML (51X25)R SR	0817002	1
EML (70X32)R SR	0817057	1
EML (70X50)R SR	0817086	1
EML (100X73)R SR	0817112	1
EML (101,6X25,4)RL SR	0815790	1
EML (100XE)RL SR	0815787	1
THERMOMARK-RIBBON 110	5145384	1

Labels, labeled according to customer requirements



All EML ... labels can also be supplied with a labeling as per customer specifications.

[1]) For ordering example, see page 601.



EML ...R CUS

White

General data		
Material		Polyester
Temperature range	[°C]	-40 ... 100
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Labels, labeled according to customer requirements[1])				
8 labels per strip	White	**EML (10X4)R CUS**	**0824289**	1
8 labels per strip	White	**EML (10X7)R CUS**	**0824290**	1
8 labels per strip	Yellow			
8 labels per strip	White	**EML (15X9)R CUS**	**0824294**	1
5 labels per strip	White	**EML (16,5X5)R CUS**	**0824297**	1
5 labels per strip	White	**EML (16X7)R CUS**	**0824301**	1
5 labels per strip	White	**EML (17,5X8)R CUS**	**0824303**	1
4 labels per strip	White	**EML (19X6)R CUS**	**0824306**	1
4 labels per strip	Yellow			
4 labels per strip	Yellow	**EML (20X8)R CUS**	**0824309**	1
4 labels per strip	Silver/matt			
3 labels per strip	White	**EML (25,4X12,7)R CUS**	**0824313**	1
3 labels per strip	Silver/matt			
3 labels per strip	Silver/matt			
3 labels per strip	White			
3 labels per strip	Silver/matt			
3 labels per strip	Silver/matt			
3 labels per strip	White	**EML (30X20)R CUS**	**0824323**	1
2 labels per strip	White	**EML (38X17)R CUS**	**0824328**	1
2 labels per strip	White	**EML (40X8)R CUS**	**0824332**	1
2 labels per strip	Silver/matt			
2 labels per strip	White	**EML (40X25)R CUS**	**0824330**	1
2 labels per strip	White	**EML (51X25)R CUS**	**0824335**	1
1 label per strip	White	**EML (70X32)R CUS**	**0824340**	1
1 label per strip	White	**EML (70X50)R CUS**	**0824343**	1
1 label per strip	White	**EML (90X5)R CUS**	**0824346**	1
1 label per strip	White	**EML (100X73)R CUS**	**0824282**	1
1 label per strip	White	**EML (100X90)R CUS**	**0824285**	1
Labels, labeled according to customer requirements[1])				
4 labels per strip	White	**EML (16,5X5)RL CUS**	**0824299**	1
5 labels per strip	Yellow			
3 labels per strip	White	**EML (25,4X12,7)RL CUS**	**0824349**	1
2 labels per strip	White	**EML (38,1X19)RL CUS**	**0824327**	1
1 label per strip	White	**EML (50,8X25,4)RL CUS**	**0824333**	1
1 label per strip	White	**EML (69,8X31,8)RL CUS**	**0824339**	1
1 label per strip	Yellow			
1 label per strip	Silver/matt			
Labels, round, **labeled according to customer requirements**[1])				
4 labels per strip	White	**EML (D17,5)R CUS**	**0824347**	1
Fabric label, labeled according to customer requirements[1])				
12 labels per strip	White	**EMLC (5,5X20)R CUS**	**0824350**	1
12 labels per strip	White	**EMLC (5,5X40)R CUS**	**0824351**	1
4 labels per strip	White	**EMLC (20X8)R CUS**	**0824352**	1
Fabric label, labeled according to customer requirements[1])				
4 labels per strip	Yellow			



EML ... R YE CUS

Yellow

Polyester
-40 ... 100
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Type	Order No.	Pcs. / Pkt.
EML (10X7)R YE CUS	0824291	1
EML (15X6) R YE CUS	0824348	1
EML (15X9)R YE CUS	0824296	1
EML (16,5X5)R YE CUS	0824298	1
EML (16X7)R YE CUS	0824302	1
EML (17,5X8)R YE CUS	0824304	1
EML (20X7)R YE CUS	0824308	1
EML (20X8)R YE CUS	0824310	1
EML (25,4X12,7)R YE CUS	0824314	1
EML (26,5X17,5)R YE CUS	0824319	1
EML (30X20)R YE CUS	0824324	1
EML (40X25)R YE CUS	0824331	1
EML (51X25)R YE CUS	0824337	1
EML (70X32)R YE CUS	0824342	1
EML (100X73)R YE CUS	0824284	1
EML (16,5X5)RL YE CUS	0824300	1
EML (17,5X8)RL YE CUS	0824305	1
EML (76,2X6,5)RL YE CUS	0824345	1
EMLC (20X8)RL YE CUS	0824353	1



EML ... R SR CUS

Silver/matt

Polyester
-40 ... 100
DIN EN 61010-1 (VDE 0411-1)
Free from silicone and halogen

Type	Order No.	Pcs. / Pkt.
EML (15X9)R SR CUS	0824295	1
EML (21,5X21,5)R SR CUS	0824312	1
EML (26,5X7,5)R SR CUS	0824322	1
EML (26,5X12)R SR CUS	0824315	1
EML (26,5X17,5)R SR CUS	0824318	1
EML (26,5X18,5)R SR CUS	0824320	1
EML (26,5X26,5)R SR CUS	0824321	1
EML (40X15)R SR CUS	0824329	1
EML (51X25)R SR CUS	0824336	1
EML (70X32)R SR CUS	0824341	1
EML (70X50)R SR CUS	0824344	1
EML (100X73)R SR CUS	0824283	1
EML (100X90)R SR CUS	0824286	1
EML (101,6X25,4)RL SR CUS	0824288	1

Equipment marking with self-adhesive markers



The self-adhesive EMLP labels are a development that can be compared to engraved signs. Labeled quickly and cost-effectively using the THERMOMARK printers from Phoenix Contact, they provide a high-quality finish and high resistance against chemical and mechanical influences. They are predominantly used to mark electrical components, devices and buttons.

[1]) For ordering example, see page 601.

Can be printed with:



THERMOMARK S1...



THERMOMARK X1...



EMLP ...

General data		
Material		Polyester
Temperature range	[°C]	-20 ... 100
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Silicone-free

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Labels for thermal transfer printer				
1 roll = 500 labels	White	**EMLP (13X9)R**	**0819453**	1
	White	**EMLP (17X7)R**	**0826844**	1
1 roll = 500 labels	White	**EMLP (17,5X12)R**	**0819466**	1
1 roll = 500 labels	White	**EMLP (20X7)R**	**0819479**	1
1 roll = 500 labels	White	**EMLP (20X8)R**	**0819482**	1
1 roll = 500 labels	White	**EMLP (22X12)R**	**0819495**	1
1 roll = 250 labels	White	**EMLP (60X30)R**	**0819505**	1
Labels for thermal transfer printer				
1 roll = 500 labels	Silver	**EMLP (27X8)R SR**	**0819518**	1
1 roll = 500 labels	Silver	**EMLP (27X12,5)R SR**	**0819521**	1
1 roll = 500 labels	Silver	**EMLP (27X18)R SR**	**0819534**	1
	Silver	**EMLP (22X22)R SR**	**0825528**	1
	Silver	**EMLP (27X27)R SR**	**0827467**	1
1 roll = 500 labels	Silver	**EMLP (45X15)R SR**	**0819547**	1
Labels, labeled according to customer requirements[1])				
2 labels per strip	White	**EMLP (13X9)R CUS**	**0824354**	1
2 labels per strip	White	**EMLP (17X7)R CUS**	**0827083**	1
2 labels per strip	White	**EMLP (17,5X12)R CUS**	**0824355**	1
2 labels per strip	White	**EMLP (20X7)R CUS**	**0824356**	1
2 labels per strip	White	**EMLP (20X8)R CUS**	**0824357**	1
2 labels per strip	White	**EMLP (22X12)R CUS**	**0824358**	1
2 labels per strip	White	**EMLP (60X30)R CUS**	**0824363**	1
Labels, labeled according to customer requirements[1])				
2 labels per strip	Silver	**EMLP (27X8)R SR CUS**	**0824361**	1
2 labels per strip	Silver	**EMLP (27X12,5)R SR CUS**	**0824359**	1
2 labels per strip	Silver	**EMLP (27X18)R SR CUS**	**0824360**	1
2 labels per strip	Silver	**EMLP (27X27)R SR CUS**	**0827469**	1
2 labels per strip	Silver	**EMLP (45X15)R SR CUS**	**0824362**	1
Labels for a 24 mm pushbutton, can be labeled with a thermal transfer printer				
	White	**EMLP 24 (30X12)R**	**0819550**	1
1 roll = 500 labels	Silver	**EMLP 24 (30X12)R SR**	**0819563**	1
1 roll = 500 labels	Red	**EMLP 24 (30X12)R RD**	**0819576**	1
1 roll = 500 labels	Green	**EMLP 24 (30X12)R GN**	**0819589**	1
Labels for a 24 mm pushbutton, labeled according to customer requirements[1])				
2 labels per strip	White	**EMLP 24 (30X12)R CUS**	**0824367**	1
2 labels per strip	Silver	**EMLP 24 (30X12)R SR CUS**	**0824370**	1
2 labels per strip	Green	**EMLP 24 (30X12)R GN CUS**	**0824368**	1
2 labels per strip	Red	**EMLP 24 (30X12)R RD CUS**	**0824369**	1

Accessories

Ink ribbon, Length: 300 m, width: 110 mm, printing color: Black	**THERMOMARK-RIBBON 110**	**5145384**	1



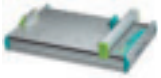
Equipment marking with self-adhesive markers

Can be printed with:





P1 ENGRAVING UNIT



CMS-P1-PLOTTER



EMLP ...

The self-adhesive EMLP plastic labels have a high-quality look and a high resistance against chemical and mechanical influences. They can be easily labeled with the CMS-P1-PLOTTER or can be engraved with the P1 ENGRAVING UNIT. The markers are predominantly used to mark components, devices and buttons.

[1]) For ordering example, see page 601.

General data		
Material		Polyester
Temperature range	[°C]	-20 ... 100
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Silicone-free

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Plastic label sheet, with a hole for 24 mm Ø pushbutton, self-adhesive double-layer plastic labels, material thickness: 0.8 mm				
	White	**EMLP 24 (30X12)**	**0822301**	1
	Black	**EMLP 24 (30X12) BK**	**0822314**	1
	Silver	**EMLP 24 (30X12) SR**	**0822330**	1
Plastic label sheet, with a hole for a 24 mm Ø pushbutton, self-adhesive double-layer plastic labels, material thickness: 0.8 mm, **labeled according to customer specifications**[1])				
	White	**EMLP 24 (30X12) CUS**	**0824364**	1
	Black	**EMLP 24 (30X12) BK CUS**	**0824365**	1
	Silver	**EMLP 24 (30X12) SR CUS**	**0824366**	1
Plastic label sheet, with a hole for 32 mm Ø pushbutton, self-adhesive double-layer plastic labels, material thickness: 0.8 mm				
	White	**EMLP 32 (38X14)**	**0822291**	1
	Black	**EMLP 32 (38X14) BK**	**0822327**	1
	Silver	**EMLP 32 (38X14) SR**	**0822343**	1
Plastic label sheet, with a hole for a 32 mm Ø pushbutton, self-adhesive double-layer plastic labels, material thickness: 0.8 mm, **labeled according to customer specifications**[1])				
	Black	**EMLP 32 (38X14) BK CUS**	**0824372**	1
	White	**EMLP 32 (38X14) CUS**	**0824371**	1
	Silver	**EMLP 32 (38X14) SR CUS**	**0824373**	1

Accessories

Magazine for the CMS-P1-PLOTTER, for accommodating EMLP... and GPE... materials for engraving			
- 1 GPE label sheet	**CMS-P1-M/GPE ENGRAVING**	**5145711**	1



Equipment marking with self-adhesive markers



The GPE sheets consist of ready-made, self-adhesive individual labels. The double-layer material can be labeled using the CMS-P1-PLOTTER and is also suitable for engraving using the P1 ENGRAVING UNIT. The adhesive foil used guarantees good adhesive properties even on uneven surfaces.

For a suitable plastic magazine for accommodating label sheets, see page 611.

[1]) For ordering example, see page 601.



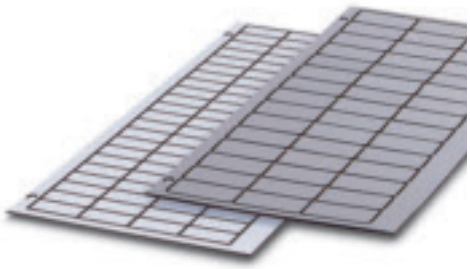
Can be printed with:



P1 ENGRAVING UNIT



CMS-P1-PLOTTER



GPE ...

General data		
Material		ABS
Temperature range	[°C]	-20 ... 85
Components		Silicone-free

Ordering data

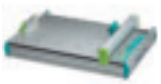
Description	Color	Type	Order No.	Pcs. / Pkt.
Plastic label sheet, self-adhesive double layer plastic labels, square corners, material thickness: 0.8 mm, suitable for plotting and engraving, square corners:				
1 sheet = 120 labels	White	**GPE 13X 9 WH**	**0806932**	10
1 sheet = 75 labels	White	**GPE 17,5X12 WH**	**0806916**	10
1 sheet = 100 labels	White	**GPE 20X 7 WH**	**0806990**	10
1 sheet = 88 labels	White	**GPE 20X 8 WH**	**0806945**	10
1 sheet = 60 labels	White	**GPE 22X12 WH**	**0806929**	10
1 sheet = 9 labels	White	**GPE 52X26 WH**	**0806958**	10
1 sheet = 9 labels	White	**GPE 60X30 WH**	**0806961**	10
1 sheet = 21 labels		**GPE 60X12 RD-WH**	**0824202**	10
1 sheet = 5 labels	Yellow	**GPE 70X32 YE**	**0824215**	10
1 sheet = 30 labels	Silver	**GPE 28X17,5 SR**	**0807889**	10
Plastic label sheet, labeled according to customer requirements[1])				
	White	**GPE 13X 9 WH CUS**	**0824414**	1
	White	**GPE 17,5X12 WH CUS**	**0824415**	1
	White	**GPE 20X 7 WH CUS**	**0824416**	1
	White	**GPE 20X 8 WH CUS**	**0824417**	1
	White	**GPE 22X12 WH CUS**	**0824418**	1
	White	**GPE 52X26 WH CUS**	**0824429**	1
	White	**GPE 60X30 WH CUS**	**0824432**	1
		GPE 60X12 RD-WH CUS	**0827720**	1
	Yellow	**GPE 70X32 YE CUS**	**0827721**	1
Plastic label sheet, self-adhesive double layer plastic labels, square corners, material thickness: 0.8 mm, suitable for plotting and engraving, with rounded edges, radius: 2 mm				
1 sheet = 66 labels	White	**GPE 27X 8 WH/R**	**0815198**	10
1 sheet = 30 labels	White	**GPE 27X18 WH/R**	**0815208**	10
1 sheet = 26 labels	White	**GPE 45X14 WH/R**	**0815282**	10
1 sheet = 21 labels	White	**GPE 60X12 WH/R**	**0807630**	10
1 sheet = 9 labels	White	**GPE 60X30 WH/R**	**0815292**	10
1 sheet = 32 labels	Silver	**GPE 22X22 SR/R**	**0806628**	10
1 sheet = 66 labels	Silver	**GPE 27X 8 SR/R**	**0806877**	10
1 sheet = 42 labels	Silver	**GPE 27X12,5 SR/R**	**0806880**	10
1 sheet = 30 labels	Silver	**GPE 27X18 SR/R**	**0806893**	10
1 sheet = 27 labels	Silver	**GPE 27X19 SR/R**	**0807643**	10
1 sheet = 26 labels	Silver	**GPE 45X14 SR/R**	**0807009**	10
1 sheet = 21 labels	Silver	**GPE 60X12 SR/R**	**0806631**	10
Plastic label sheet, with rounded corners, radius 2 mm, **labeled according to customer requirements**[1])				
	White	**GPE 27X 8 WH/R CUS**	**0824421**	1
	White	**GPE 27X18 WH/R CUS**	**0824424**	1
	White	**GPE 45X14 WH/R CUS**	**0824428**	1
	White	**GPE 60X12 WH/R CUS**	**0824431**	1
	White	**GPE 60X30 WH/R CUS**	**0824433**	1
	Silver	**GPE 22X22 SR/R CUS**	**0824419**	1
	Silver	**GPE 27X 8 SR/R CUS**	**0824420**	1
	Silver	**GPE 27X12,5 SR/R CUS**	**0824422**	1
	Silver	**GPE 27X18 SR/R CUS**	**0824423**	1
	Silver	**GPE 27X27 SR/R CUS**	**0824425**	1
	Silver	**GPE 28X17,5 SR CUS**	**0824426**	1
	Silver	**GPE 45X14 SR/R CUS**	**0824427**	1
	Silver	**GPE 60X12 SR/R CUS**	**0824430**	1

Equipment marking with cover, for screwing on



The SSMK control cabinet marking has two holes for screws. The transparent cap takes printed insert labels and is snapped onto the pre-mounted basic carrier. The labeling is thus protected from external influences.

Can be printed with:



CMS-P1-PLOTTER



SSMK ...

General data		
Material		PC
Inflammability class acc. to UL 94		V2
Temperature range	[°C]	-40 ... 115
Components		Free from silicone and halogen
Drill hole spacing	[mm]	40
Hole diameter	[mm]	3.5

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Control cabinet marker, two mounting holes M3				
Size: 60 x 18 mm, lettering field size: 56 x 14 mm, incl. 1 x ES-SSMK-GB 60X18	Transparent/ White	**SSMK 60X18**	**5032439**	50
Size: 96 x 30 mm, lettering field size: 92 x 26 mm, incl. 1 x ES-SSMK-GB 90X30	Transparent/ White	**SSMK 96X30**	**5032442**	50

Accessories

Large format sheet insert strips, can be labeled with plotter, DIN A4, perforated, material: Cardboard			
1 sheet = 75 strips, lettering field size: 56 x 14 mm	**ES-SSMK-GB 60X18**	**5032468**	10
1 sheet = 22 strips, lettering field size: 92 x 26 mm	**ES-SSMK-GB 96X30**	**5032455**	10



Equipment marking with self-adhesive labels



The Phoenix Contact labels BMKL have been specially developed for laser printers.

The BMKL have considerable advantages:

– They can be printed on all commercially available laser printers
– Can be labeled with a CMS-P1-PLOTTER, B-STIFT marker pen or X-PEN
– They have good adhesive properties

The unperforated SK U sheets are available for individually designed labels.

[1]) For ordering example, see page 601.



Can be printed with:



Laser printer



CMS-P1-PLOTTER



BMKL ...

General data		
Material		Polyester
Temperature range	[°C]	-40 ... 100
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)
Components		Silicone-free

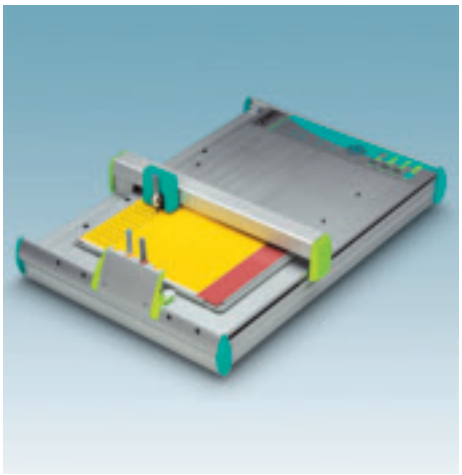
Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Sheet of labels for laser printer, DIN A4				
1 sheet = 273 labels	White	**BMKL 12X12 WH**	**5032361**	10
1 sheet = 290 labels	White	**BMKL 15X 9 WH**	**0803663**	10
1 sheet = 396 labels	White	**BMKL 18X 6 WH**	**5032293**	10
1 sheet = 288 labels	White	**BMKL 18X 8 WH**	**5032329**	10
1 sheet = 224 labels	White	**BMKL 20X 8 WH**	**5032280**	10
1 sheet = 224 labels	White	**BMKL 25X 8 WH**	**5032332**	10
1 sheet = 147 labels	White	**BMKL 25X12 WH**	**5032374**	10
1 sheet = 228 labels	White	**BMKL 26,8X6,8 WH**	**0807106**	10
1 sheet = 63 labels	White	**BMKL 50X12 WH**	**5032387**	10
1 sheet = 45 labels	White	**BMKL 64X16 WH**	**0821807**	2
1 sheet = 21 labels	White	**BMKL 64X34 WH**	**5032400**	10
1 sheet = 290 labels	Yellow	**BMKL 15X 9 YE**	**5032497**	10
1 sheet = 405 labels	Yellow	**BMKL 16X 6 YE**	**0807096**	10
1 sheet = 288 labels	Yellow	**BMKL 18X 8 YE**	**5032170**	10
1 sheet = 168 labels	Yellow	**BMKL 19X11 YE**	**0800705**	10
1 sheet = 224 labels	Yellow	**BMKL 20X 8 YE**	**5032138**	10
1 sheet = 162 labels	Yellow	**BMKL 26X10 YE**	**0811516**	10
1 sheet = 45 labels	Yellow	**BMKL 64X16 YE**	**0821810**	2
1 sheet = 192 labels	Silver	**BMKL 27X 8 SR**	**0803702**	10
1 sheet = 126 labels	Silver	**BMKL 27X12,5 SR**	**0803676**	10
1 sheet = 84 labels	Silver	**BMKL 27X18 SR**	**0803689**	10
1 sheet = 54 labels	Silver	**BMKL 27X27 SR**	**0803692**	10
1 sheet = 360 labels	Orange	**BMKL 18X 6,5 OG**	**5036147**	10
Labels, labeled according to customer requirements[1])				
	White	**BMKL 12X12 WH CUS**	**0824238**	1
	White	**BMKL 15X 9 WH CUS**	**0824239**	1
	White	**BMKL 18X 6 WH CUS**	**0824242**	1
	White	**BMKL 18X 8 WH CUS**	**0824244**	1
	White	**BMKL 20X 8 WH CUS**	**0824247**	1
	White	**BMKL 25X 8 WH CUS**	**0824249**	1
	White	**BMKL 25X12 WH CUS**	**0824250**	1
	White	**BMKL 26,8X6,8 WH CUS**	**0824251**	1
	White	**BMKL 50X12 WH CUS**	**0824257**	1
	White	**BMKL 64X16 WH CUS**	**0824259**	1
	White	**BMKL 64X34 WH CUS**	**0824261**	1
	Yellow	**BMKL 15X 9 YE CUS**	**0824240**	1
	Yellow	**BMKL 16X 6 YE CUS**	**0824241**	1
	Yellow	**BMKL 18X 8 YE CUS**	**0824245**	1
	Yellow	**BMKL 19X11 YE CUS**	**0824246**	1
	Yellow	**BMKL 20X 8 YE CUS**	**0824248**	1
	Yellow	**BMKL 26X10 YE CUS**	**0824252**	1
	Yellow	**BMKL 64X16 YE CUS**	**0824260**	1
	Silver	**BMKL 27X 8 SR CUS**	**0824253**	1
	Silver	**BMKL 27X12,5 SR CUS**	**0824254**	1
	Silver	**BMKL 27X18 SR CUS**	**0824255**	1
	Silver	**BMKL 27X27 SR CUS**	**0824256**	1
	Orange	**BMKL 18X 6,5 OG CUS**	**0824243**	1
Marking sheet, unperforated, self-adhesive, DIN A4 format				
	White	**SK U WH:UNGESTANZT**	**0800129**	10
	Yellow	**SK U YE:UNGESTANZT**	**0800132**	10
	Silver	**SK U SR:UNGESTANZT**	**0800145**	10

Accessories

Magazine for accommodating sheet material, self-adhesive mat for fixing labels, foils and paper, size of sheet max. DIN A4	**CMS-P1-PAD**	**5144819**	1

Fabric labels for plotters



The self-adhesive BMK labels for marking by hand or with the plotter can be supplied in different sizes. Their fabric structure allows the labels to be removed and reattached without being damaged and to be used on curved surfaces or around a corner.

[1]) For ordering example, see page 601.

Can be printed with:



CMS-P1-PLOTTER



BMK ...

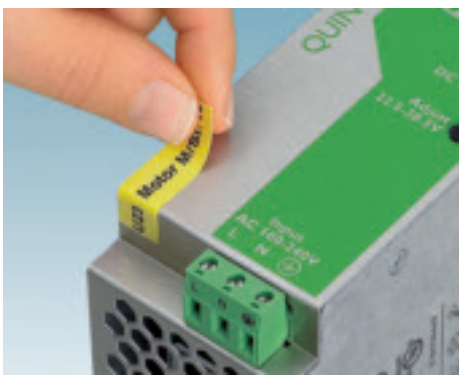
General data		
Material		Fabric
Temperature range	[°C]	-40 ... 80
Components		Silicone-free

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Label sheet				
1 sheet = 270 labels	White	**BMK 20X 8 WH**	**0805470**	10
1 sheet = 324 labels	Yellow	**BMK 15X 9 YE**	**5031605**	10
1 sheet = 198 labels	Yellow	**BMK 19X11 YE**	**5031582**	10
1 sheet = 270 labels	Yellow	**BMK 20X 8 YE**	**5031388**	10
1 sheet = 88 labels	Yellow	**BMK 38X11 YE**	**5031676**	10
Labels, labeled according to customer requirements[1])				
	White	**BMK 20X 8 WH CUS**	**0824231**	1
	Yellow	**BMK 15X 9 YE CUS**	**0824229**	1
	Yellow	**BMK 19X11 YE CUS**	**0824230**	1
	Yellow	**BMK 20X 8 YE CUS**	**0824232**	1
	Yellow	**BMK 38X11 YE CUS**	**0824233**	1

Accessories

Magazine for accommodating sheet material, self-adhesive mat for fixing labels, foils and paper, size of sheet max. DIN A4	**CMS-P1-PAD**	**5144819**	1



Equipment marking with cover, self-adhesive



The self-adhesive PAB-SK marker carriers are for marking devices and components. The highly adhesive material ensures the best possible grip on normal surfaces. These carrier materials can be fitted with UC-WMT ... and EMT ... for instance.



PAB-SK ...

General data		
Material		PVC
Inflammability class acc. to UL 94		V0
Temperature range	[°C]	-40 ... 60
Components		Silicone-free

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Component marker, self-adhesive, can be labeled with UC-WMT, PABA and EMT				
Lettering field size: 15 x 4 mm	Transparent	**PAB-SK 15**	**1013287**	500
Lettering field size: 30 x 4 mm	Transparent	**PAB-SK 30**	**1013290**	200
UniCard sheet, with insert strips for PATG, PATO marking sleeves, can be labeled with the BLUEMARK X1 and CMS-P1-PLOTTER, 32-section				
	White	**UC-WMT (15X4)**	**0819398**	10
	Yellow	**UC-WMT (15X4) YE**	**0819408**	10
Lettering field size: 30 x 4 mm	White	**UC-WMT (30X4)**	**0819437**	10
	Yellow	**UC-WMT (30X4) YE**	**0819440**	10

Marking profiles

The P-SS-ZB ... mounting profiles are support rails for the marking materials with Phoenix Contact marker groove. The P-SS-ZB profile is used for accommodating SS-ZB ... . Profiles are either glued or screwed to the mounting plate.



P-SS-ZB ...

General data		
Material		PVC
Inflammability class acc. to UL 94		V0
Temperature range	[°C]	-15 ... 80

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Profile, for accommodating SS-ZB labels, self-adhesive				
Length: 0.5 m	Gray	**P-SS-ZB 50**	**1013724**	20
Length: 1.0 m	Gray	**P-SS-ZB 100**	**1013737**	10
Profile, for accommodating UC-TM..., self-adhesive				
	Gray	**P-ZB METER**	**1051854**	1

Ordering example for labeling as per customer specifications

Phoenix Contact offers a labeling service for all marking materials. We deliver marking materials that are labeled as per your specifications in next to no time.





UC-TM 4...

For terminal width of 4.2 mm

UC-TM 5...

For terminal width of 5.2 mm

General data			
Material		PA	PA
Inflammability class according to UL 94		V2	V2
Temperature range	[° C]	-40 ... 120	-40 ... 120
Wipe resistance		DIN EN 61010-1 (VDE 0411-1)	DIN EN 61010-1 (VDE 0411-1)
Components		Silicone and halogen-free	Silicone and halogen-free

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
UniCard sheet, for labeling terminal blocks using a zack marker strip groove, can be labeled with BLUEMARK and CMS-P1-PLOTTER							
	White	**UC-TM 4**	**0818111**	10	**UC-TM 5**	**0818108**	10
	Red	**UC-TM 4 RD**	**0818250**	10	**UC-TM 5 RD**	**0818302**	10
	Orange	**UC-TM 4 OG**	**0818221**	10	**UC-TM 5 OG**	**0818276**	10
	Yellow	**UC-TM 4 YE**	**0818234**	10	**UC-TM 5 YE**	**0818289**	10
	Violet	**UC-TM 4 VT**	**0819084**	10	**UC-TM 5 VT**	**0819107**	10
	Blue	**UC-TM 4 BU**	**0818247**	10	**UC-TM 5 BU**	**0818292**	10
	Green	**UC-TM 4 GN**	**0818263**	10	**UC-TM 5 GN**	**0818315**	10
UniCard sheet, to label terminal blocks using a zack marker strip groove, **labeled as per customer specifications**							
	White	**UC-TM 4 CUS**	**0824573**	1	**UC-TM 5 CUS**	**0824581**	1
	Red	**UC-TM 4 RD CUS**	**0824577**	1	**UC-TM 5 RD CUS**	**0824585**	1
	Orange	**UC-TM 4 OG CUS**	**0824576**	1	**UC-TM 5 OG CUS**	**0824584**	1
	Yellow	**UC-TM 4 YE CUS**	**0824579**	1	**UC-TM 5 YE CUS**	**0824587**	1
	Violet	**UC-TM 4 VT CUS**	**0824578**	1	**UC-TM 5 VT CUS**	**0824586**	1
	Blue	**UC-TM 4 BU CUS**	**0824574**	1	**UC-TM 5 BU CUS**	**0824582**	1
	Green	**UC-TM 4 GN CUS**	**0824575**	1	**UC-TM 5 GN CUS**	**0824583**	1

Example:
Ordering UC-TM 5 GN CUS

A vertical consecutive labeling from one to twelve is required for 20 identical terminal strips. In this case, order as follows:

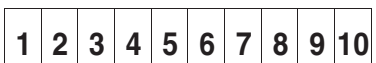
Quantity	Printing	Order No.
20	**Numbers:** 1 to 12 **Font size:** 10 pt **Direction:** vertical **Normal printing**	0824583

Further options:

- Font size
- Direction "vertical" or "horizontal"
- Bold print
- Please send special characters, symbols and logos as a bitmap file.

Minimum orders:

- Sheets: 1 sheet
- Sheet material: 1 sheet
- Roll material: 1 strip (row), i.e. for EML (20x8)R, 4 labels



Labeling direction "horizontal"



Labeling direction "vertical"

Ordering CUS special marking with CLIP PROJECT

For your order, use the CLIP PROJECT software - simply plan and order directly from the software with just a click, see page 618.



Phoenix Contact is a competent partner for control cabinet and system engineering. In this context, it is our standard to provide products, services, hardware and software to make the planning and production of systems as efficient as possible.

MARKING system from Phoenix Contact provides a universal labeling system from the planning to the finished printed label. In addition to the wide range of marking materials, the CLIP PROJECT software and various printers are also a part of the marking program.

The data for labeling is provided to the printers by the CLIP PROJECT planning software included in the scope of supply. It controls the printers and facilitates the creation of marking files by means of simple data import directly from the circuit diagrams.

Phoenix Contact provides a variety of printing systems:

– BLUEMARK LED for labeling of standardized UniCard sheets
– THERMOMARK S1, a small thermal transfer printer for marking material on rolls
– THERMOMARK X1.2, thermal transfer printers for large rolls
– THERMOMARK W2, thermal transfer printers for two-sided labeling and perforation of continuous shrink sleeves
– CMS-P1-PLOTTER and the P1 ENGRAVING UNIT to expand the plotter for engraving tasks

An extensive material program to mark terminal blocks, conductors and devices is available for each of the printing systems provided. Every printing system can thus fulfill all marking-related tasks in and around the control cabinet. To ensure a consistently high quality of marking, all the materials offered are adapted to the devices and tested for wipe resistance.



BLUEMARK LED uses the latest UV technology for labeling. The markers are thus extremely wipe-resistant and can be used immediately. The fast printing technology enables 10,000 labels per hour to be labeled. Thanks to the LED technology, the printer does not require any warm-up time; it is environment-friendly and low-noise.



The THERMOMARK S1 has been especially developed for industrial use. With a tare weight of only 2.7 kg, it is ideal for mobile use and can be operated directly at the system to be labeled.

The user can avail of a wide range of labeling software and materials, specially adapted to each other, for marking terminal blocks, conductors and equipment.

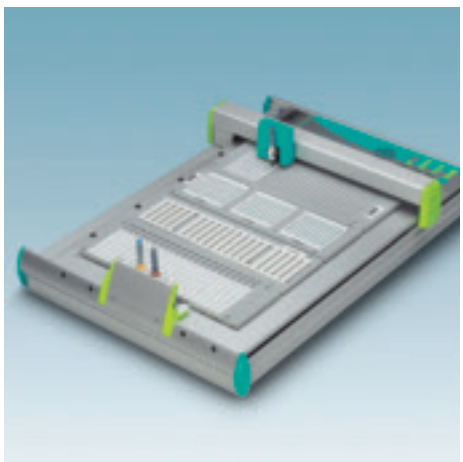


The THERMOMARK X1.2 is characterized by high printing speed and print resolution. Apart from all materials off the roll, the printer can also print continuous shrink sleeves on one side.

The THERMOMARK X1.2 is suitable for individual mass labeling and completes the range of thermal transfer printers at the top.



The THERMOMARK W2 was specially developed for two-sided labeling and perforation of continuous WMS marker sleeves. The two-sided printing guarantees optimal legibility of conductors and wires. The special construction of the guide elements ensures easy handling when inserting the sleeve.



Apart from label strips and UniCard sheets, the CMS-P1-PLOTTER can label sheet materials as well. Its integrated pen station facilitates handling and helps prevent the pens from drying out.



With the P1 ENGRAVING UNIT, Phoenix Contact provides the ideal marking option for device and component marking subject to high chemical and mechanical stress. Simple and fast replacement of the plotting head with the engraving part converts the CMS-P1-PLOTTER into an engraving unit.

UV printer BLUEMARK LED





BLUEMARK makes the quick labeling of plastic labels for terminal block, conductor and equipment marking as easy as a paper printout.

The most modern UV technology makes BLUEMARK an environmentally friendly high-speed printer. 10 000 labels can be printed per hour without solvent emissions. The marking is immediately wipe-proof and can be used immediately. The simple and time-saving operation is supported by the automatic material feed.

With the Ethernet, BLUEMARK is network-capable, but can also be addressed with wireless Bluetooth.

Simply connect, insert the standardized UniCard mats in the magazine, and go.

The operation of BLUEMARK is time-saving and easy due to automatic material intake. The intelligent printer also recognizes the direction of the sheets in it and automatically turns the printing by 180° if required.

Dimensions	
	[mm]
General data	
Temperature range	[°C]
Print method	
Volume	
Pressure capacity	
Interfaces	
Power supply	[V]
Weight	[kg]
Operating systems	
Power consumption	[W]

Ordering data

Description	Color
BLUEMARK LED, printer with solvent-free UV technology, including Euro mains cable, US mains cable, USB cable, printer driver, multilingual manual, CLIP PROJECT advanced planning and marking software	Gray

Accessories

Ink cartridge, for replacement, 30 ml labeling fluid, Black



BLUEMARK LED

Width	Length	Height
465	**510**	**330**

5 ... 35
Ink-jet
30 ml
Approx. 10000 markers/h (UC-TMF 4 with 2 characters/marker)

Ethernet 10/100 Mbps / USB 2.0 / Bluetooth Version 2.0

100 ... 240 / 50 Hz ... 60 Hz
20
MS Windows XP, MS Windows Vista
70

Type	Order No.	Pcs. / Pkt.
BLUEMARK LED	**5147888**	1
BLUEMARK FLUID-CARTRIDGE	**5147421**	1

THERMOMARK S1.1 thermal transfer printer

The THERMOMARK S1.1 has been especially developed for industrial use. With a low tare weight and the plug & play-USB connection, it is ideal for mobile use and can be operated directly where the system is to be labeled.

An excellent printing quality is achieved with a print resolution of 300 dpi. Tiny characters and symbols can be thus be cleanly printed. The max. printing length of 762 mm enables the use of endless media.

With the optional use of the cutting blade THERMOMARK S1-CUTTER, these can be cut to the desired sections.

High-quality resin-based ink ribbons guarantee labeling resistant against mechanical and chemical effects.



THERMOMARK S1.1

Dimensions				
	[mm]	Width **230**	Length **250**	Height **170**
General data				
Print resolution	[dpi]	300 dpi		
Max. print width	[mm]	100		
Print method		Thermal transfer		
Interfaces		Serial (RS-232) / Parallel (Centronics) / USB 2.0		
Power supply	[V]	100 ... 240 / 50 Hz ... 60 Hz		
Operating systems		MS Windows XP, MS Windows Vista		

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Thermal transfer printer, incl. power supply unit, connecting cable, Windows® printer driver and operating instructions, software	Gray	**THERMOMARK S1.1**	**5146257**	1

Accessories

Starter set, complete for THERMOMARK S1.1, consisting of: Planning and marking software, THERMOMARK S1.1, ink ribbon and roll of labels	**THERMOMARK S1.1-KIT**	**5146354**	1
Cutter, for THERMOMARK S1	**THERMOMARK S1-CUTTER**	**5145339**	1
Transport case for THERMOMARK S1, rounded profile case with aluminum frame for a complete system, consisting of printer, accessories and label rolls	**THERMOMARK S1-CASE**	**5145355**	1
Ink ribbon, Length: 300 m, width: 110 mm, printing color: Black	**THERMOMARK-RIBBON 110**	**5145384**	1
Ink ribbon, specially for shrink sleeves Length: 300 m, width: 110 mm, printing color: Black	**THERMOMARK-RIBBON 110-WMS**	**5145397**	1



External media hub



Cutting knives

THERMOMARK X1.2 thermal transfer printer





THERMOMARK X1.2

The THERMOMARK X1.2 completes the product range from Phoenix Contact in the field of thermal transfer printers towards the high end.

It is characterized by a high printing speed and a print resolution of 300 dpi. The THERMOMARK X1.2 is suitable for individual mass labeling and processes all roll materials.

The new and easy-to-operate centering for the printing material now enables labeling of endless shrink tubes.

High-quality resin-based ink ribbons guarantee labeling resistant against mechanical and chemical effects.

Dimensions		Width	Length	Height
	[mm]	**242**	**446**	**274**
General data				
Print resolution	[dpi]	300 dpi		
Max. print width	[mm]	105		
Max. printing length	[mm]	2000		
Interfaces		Serial (RS-232) / USB 2.0 / Ethernet 10/100 Mbps		
Power supply	[V]	100 ... 240 / 50 Hz ... 60 Hz		
Weight	[kg]	10		
Operating systems		MS Windows XP, MS Windows Vista		

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Thermal transfer printer, incl. connecting cable, Windows® printer driver and operating instructions, software	Gray	**THERMOMARK X1.2**	**5146231**	1

Accessories

Starter set, complete for THERMOMARK X1.2 consisting of: - Planning and marking software - THERMOMARK X1.2 thermal transfer printer - Ink ribbon - Label rolls		**THERMOMARK X1.2-KIT**	**5146341**	1
Cutter, for THERMOMARK X1.1		**THERMOMARK X1-CUTTER**	**5145290**	1
Transport case for THERMOMARK X1.1, rounded profile case with aluminum frame for a complete system, consisting of printer, accessories and label rolls		**THERMOMARK X1-CASE**	**5145300**	1
Ink ribbon, Length: 300 m, width: 110 mm, printing color: Black		**THERMOMARK-RIBBON 110**	**5145384**	1
Ink ribbon, specially for shrink sleeves Length: 300 m, width: 110 mm, printing color: Black		**THERMOMARK-RIBBON 110-WMS**	**5145397**	1
Ink ribbon, specially for labeling shrink tubes using THERMOMARK W1 and THERMOMARK W2 Length: 300 m, width: 64 mm	Black	**THERMOMARK-RIBBON 64-WMSE**	**5145724**	1
	Blue	**THERMOMARK-RIBBON 64-WMSE BU**	**5145737**	1
	Red	**THERMOMARK-RIBBON 64-WMSE RD**	**5145740**	1
Ink ribbon, halogen-free, , specially for labeling shrink tubes using THERMOMARK W1 and THERMOMARK W2 Length: 300 m, width: 64 mm		**THERMOMARK-RIBBON 55-WMSHF**	**0827856**	1



THERMOMARK W2 thermal transfer printer





THERMOMARK W2

The THERMOMARK W2 was specially developed for two-sided labeling and perforation of continuous WMS marker sleeves. The two-sided labeling guarantees optimum legibility. The special construction of the guide elements ensures easy handling when inserting the sleeve.

The user-friendly interface of the CLIP PROJECT software enables an individual input of the labeling and of the marker length.

Black, blue and red ink ribbons are available for color marking. The printed markers can be easily and quickly separated along the perforations.

Dimensions		Width	Length	Height
	[mm]	**248**	**554**	**405**

General data		
Print resolution	[dpi]	300 dpi
Max. print width	[mm]	105.6
Max. printing length	[mm]	1000
Interfaces		Serial (RS-232) / USB 2.0 / Ethernet 10/100 Mbps
Power supply	[V]	100 ... 240 / 50 Hz ... 60 Hz
Weight	[kg]	21
Operating systems		MS Windows XP, MS Windows Vista

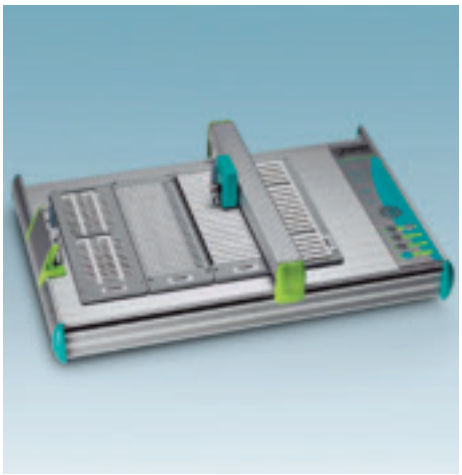
Ordering data

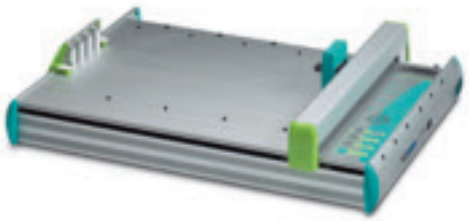
Description	Color	Type	Order No.	Pcs. / Pkt.
Thermal transfer printer, specially for shrink tube labeling on both sides, including perforation knife, connecting cable, Windows® printer driver, operating instructions, CLIP PROJECT advanced planning and marking software	Gray	**THERMOMARK W2**	**5146147**	1

Accessories

Ink ribbon, specially for labeling shrink tubes using THERMOMARK W1 and THERMOMARK W2 Length: 300 m, width: 64 mm	Black	**THERMOMARK-RIBBON 64-WMSE**	**5145724**	1
	Blue	**THERMOMARK-RIBBON 64-WMSE BU**	**5145737**	1
	Red	**THERMOMARK-RIBBON 64-WMSE RD**	**5145740**	1
Ink ribbon, halogen-free, , specially for labeling shrink tubes using THERMOMARK W1 and THERMOMARK W2 Length: 300 m, width: 64 mm		**THERMOMARK-RIBBON 55-WMSHF**	**0827856**	1

Marking plotter, CMS-P1-PLOTTER,





CMS-P1-PLOTTER

With CMS-P1-PLOTTER, dried out pens are a thing of the past. The plotter pens can be stored safely for longer intervals in the pen station. They are removed and deposited automatically. The automatic Prepare Pen function ensures optimum marking results right from the first character.

The plotter is controlled with the CLIP PROJECT software. It can be connected to the computer quickly and easily through the Centronics or USB interface. Hardly any buttons are required to operate the CMS-P1-PLOTTER, making marking child's play.

Dimensions		Width	Length	Height
	[mm]	**440**	**660**	**125**

General data		
Lettering field size	[mm]	440 x 296 mm
Max. material height	[mm]	10.5
Max. plotting speed	[m/s]	0.4
Interfaces		Parallel (Centronics) / USB 2.0
Input voltage / frequency	[V]	100 ... 240 / 50 Hz ... 60 Hz
Weight	[kg]	8
Operating systems		MS Windows XP, MS Windows Vista

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Marking plotter, incl. power supply unit, connecting cable (Centronics and USB), pen CMS-PEN 0,25, manual, planning and marking software	Silver	**CMS-P1-PLOTTER**	**5144615**	1

Accessories

Starter set, CMS-P1-PLOTTER, Consisting of: - Planning and marking software - Plotter CMS-P1-PLOTTER, - Magazines for ZB, ZBF, PABA and GPE as well as labeling material - CMS-INK-RO-C5 ink and cleaning set	**CMS-P1-PLOTTER-KIT**	**5144628**	1
Transport case for CMS-P1-PLOTTER, rounded profile case with aluminum frame for a complete plotter system	**CMS-P1-PLOTTER-CASE**	**5144631**	1
Cover for CMS-P1-PLOTTER, flexible hood for protecting against contamination	**CMS-P1-PLOTTER-COVER**	**5144806**	1
Set of seals for the pen station, 4 replacement seals for the pen station of the P1 plotter and 10 prepare pen plates, incl. mounting tool	**CMS-P1-PENDEPOT**	**5144835**	1
Pen plates, for the pen station of the CMS-P1-PLOTTER	**CMS-P1-PREPLATES**	**5145135**	1





Engraving unit for the CMS-P1-PLOTTER





P1 ENGRAVING UNIT

Phoenix Contact offers the ideal labeling option for device and component labels subject to a lot of mechanical and chemical exposure with the P1 ENGRAVING UNIT. Thanks to the simple and quick exchange of the plotter head with the engraving attachment, the CMS-P1-PLOTTER becomes an engraving unit. Engraving needles with a diameter from 0.2 ... 1.0 mm for making various line thicknesses are available as accessories. Parallel to this, you will find an extensive product range of preassembled engraving materials on page 596.

When placed on the CMS-P1-M/GPE ENGRAVING plotter magazine, these materials do not slip and remain in position.

Dimensions		Width	Length	Height
	[mm]	**250**	**350**	
General data				
Power supply	[V]	110 ... 240 / 50 Hz ... 60 Hz		
Weight	[kg]	8		
Speed range	[RPM]	5000 ... 50000		
Collet chuck	[mm]	3		
Power consumption	[W]	150		

Ordering data

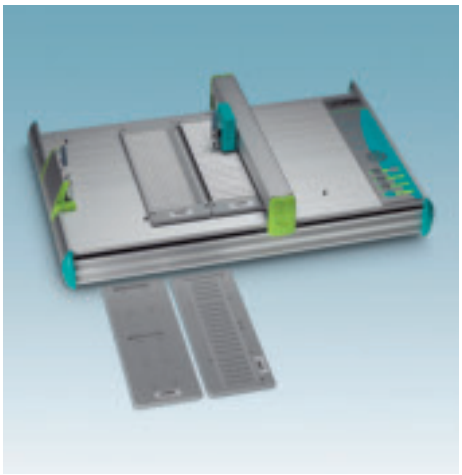
Description	Type	Order No.	Pcs. / Pkt.
Engraving unit, for the CMS-P1-PLOTTER, incl. operating instructions (English / German), data CD and engraving needle	**P1 ENGRAVING UNIT**	**5145546**	1

Accessories

Engraving chisel, with a point angle of 15°			
Point diameter 0.2 mm	**P1 GRAVER 0.2**	**5145478**	1
Point diameter 0.3 mm	**P1 GRAVER 0.3**	**5145481**	1
Point diameter 0.4 mm	**P1 GRAVER 0.4**	**5145494**	1
Point diameter 0.5 mm	**P1 GRAVER 0.5**	**5145504**	1
Point diameter 0.7 mm	**P1 GRAVER 0.7**	**5145517**	1
Point diameter 1.0 mm	**P1 GRAVER 1.0**	**5145520**	1
Engraving chisel set, chisel with a point angle of 15°, point diameter: 0.2 mm, 0.3 mm, 0.4 mm, 0.5 mm, 0.7 mm, 1.0 mm	**P1 GRAVER SET**	**5145533**	1
Vacuum cleaner bag, 5 spare bags for replacement	**P1 ENGRAVING VC BAG**	**5145559**	1
Magazine for the CMS-P1-PLOTTER, for accommodating EMLP... and GPE... materials for engraving - 1 GPE label sheet	**CMS-P1-M/GPE ENGRAVING**	**5145711**	1



Exchangeable magazine for marking plotters





P1-UC-MAG...

The CMS-P1-PLOTTER is the best choice for a versatile marking device for industrial applications. All the conventional marking material can be labeled using this device, including partially used marker sheets or part labels, by using the sturdy plastic magazine.

The size means that the capacity of the plotter is fully exploited. With the CMS-P1-PLOTTER, up to 35% more material can be processed per labeling operation as with the predecessor model. Phoenix Contact offers a variety of different magazines for marking materials. Should you not be able to find the magazine for your materials, please let us know.

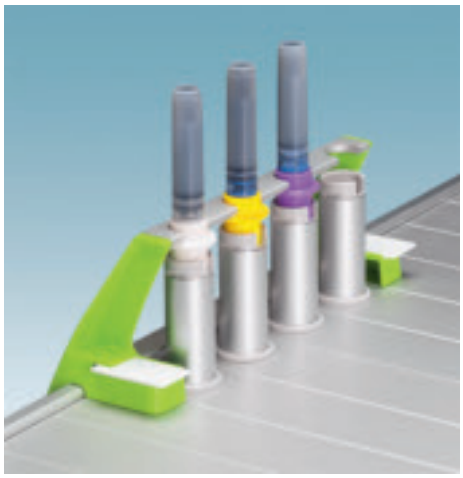
Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Plastic magazines, for CMS-P1-PLOTTER, for accommodating: UC-TM ... UC-TMN ..., UC3-TM..., UC-WMC 1,9..., UC-WMC 3,1..., UC-WMTBA ..., UC-EM (17,5x9), UC-EM (18x8), UC-EM (21x8)				
	Gray	**P1 UC-MAG 1**	**5146079**	1
For accommodating UC-WMC 4,4...	Gray	**P1 UC-MAG 2**	**5146082**	1
For accommodating UC-WMC 5,6..., UC-WMC 7,5...	Gray	**P1 UC-MAG 3**	**5146095**	1
For accommodating UC-TMF..., UC1-TMF..., UC2F-TM..., UC-WMT...	Gray	**P1 UC-MAG 4**	**5146105**	1
For accommodating UC1-TM..., UC1U-TM..., UC2-TM...	Gray	**P1 UC-MAG 5**	**5146118**	1
For accommodating UC-EM..., UC-EMP..., UC-EMLP...	Gray	**P1 UC-MAG 6**	**5146121**	1
Plastic magazines, for CMS-P1-PLOTTER, for accommodating:				
- 22 zack marker strips		**CMS-P1-M/ZB**	**5144699**	1
- 26 flat zack marker strips or ZBN strips		**CMS-P1-M/ZBF**	**5144709**	1
- 2 zack marker sheets		**CMS-P1-M/ZBM**	**5144660**	1
- 3 flat zack marker sheets		**CMS-P1-M/ZBFM**	**5144686**	1
- 22 contactor marker zack marker strips		**CMS-P1-M/SS-ZB**	**5144712**	1
- 4 to 6 PABA marker bars		**CMS-P1-M/PAB**	**5144741**	1
- 30 marker pins ZB strips		**CMS-P1-M/BN-ZB**	**5144725**	1
- 1 GPE label sheet		**CMS-P1-M/GPE**	**5144754**	1
- 20 strips LBHZ conductor marking		**CMS-P1-M/LBHZ**	**5144738**	1
- 1 GPE label sheet		**CMS-P1-M/GPE ENGRAVING**	**5145711**	1
Magazine for accommodating sheet material, self-adhesive mat for fixing labels, foils and paper, size of sheet max. DIN A4		**CMS-P1-PAD**	**5144819**	1

Accessories

Adapter plate for WMU magazines, for using the universal replaceable frame CMS-WMU with the magazine inserts of the CMS-MCP 3 plotter	**CMS-P1-WMU-ADAPTER**	**5144822**	1
Replacement fixation pad for CMS-P1-M/ZBFM, 9 self-adhesive fixation pads, sufficient for 3 magazines	**CMS-P1-M/ZBFM-PAD**	**5144848**	1
Replacement fixation pad for CMS-P1-M/GPE and CMS-P1-M/GPE ENGRAVING, one fixation pad, sufficient for one magazine	**CMS-P1-M/GPE-PAD**	**5144880**	1
Replacement fixation pad for CMS-P1-PAD, 1 fixation pad in DIN A4 format	**CMS-P1-PAD/SPARE**	**5144893**	1

Ink, cleaner and pens for marking plotter



High-quality labeling as regards wipe resistance and finish is an important factor for a product. For this purpose, Phoenix Contact provides a totally integrated product range of plotter pens, ink and cleaning fluid for the CMS-P1-PLOTTER marking plotter. The plotter pens are available as reusable and disposable pens.



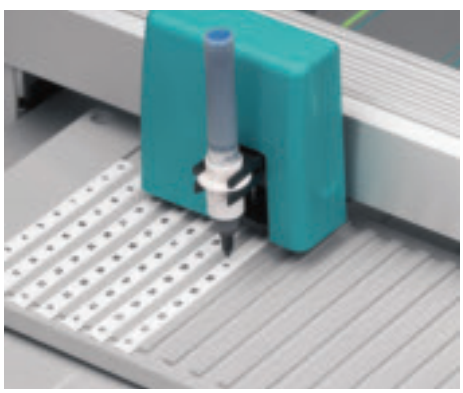
CMS-...-PEN

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Disposable plotter pen, non-refillable plotter pen, with pen station, completely filled with 1 ml CMS-INK-RO ink, for extremely high requirements				
Line thickness 0.25 mm	Black	**CMS-DISPOSABLE-PEN 0,25 RO**	**5145232**	1
Line thickness 0.35 mm	Black	**CMS-DISPOSABLE-PEN 0,35 RO**	**5145245**	1
Disposable pen, non-refillable, for manual labeling, can be also used for plotter marking in combination with the P-PEN ADAPTER.		**P-PEN**	**0815211**	1
Aluminum adapter, to fix the P-PEN for plotter marking		**P-PEN ADAPTER**	**0815224**	1
Pens, incl. adapters, ink tank and pen station, for different line thicknesses, without ink				
Line thickness 0.25 mm		**CMS-PEN 0,25**	**5067815**	1
Line thickness 0.35 mm		**CMS-PEN 0,35**	**5067828**	1
Line thickness 0.50 mm		**CMS-PEN 0,50**	**5067831**	1

Accessories

Special ink for CMS-PEN ..., and **X-PEN 0,35,** 5 ink cartridges, each with 1 ml, for high requirements, color: Black	**CMS-INK-RO-C 5**	**0811480**	1
Cleaning set for pens, consisting of: 1 cleaning cup, 2 cartridges of 10 ml cleaning liquid each and 2 spare sealing caps for the pen station	**CMS-R-SET-RO**	**5144385**	1
Cleaning cartridges with spare sealing caps, 2 cartridges, each with 10 ml cleaning liquid and 2 caps	**CMS-R-FLUID-MEKF-C2**	**5144372**	1



Marker pens for manual labeling

High-quality labeling of unprinted marking materials is also possible without the use of labeling devices. We provide three versions for manual marking.

– X-PEN as a refillable pen
– B-STIFT as a disposable pen
– P-PEN as a disposable pen, where the adapter can be used for plotter marking as well



X-PEN 0,35



B-STIFT

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Marking pen, refillable , for manual labeling, line thickness 0.35 mm, can be refilled with CMS-INK-RO-C5, delivered without ink	Black	**X-PEN 0,35**	**0811228**	1
Marker pen, not refillable, for manual labeling, line thickness 0.5 mm	Black	**B-STIFT**	**1051993**	10

Marker pens for manual labeling



P-PEN

Ordering data

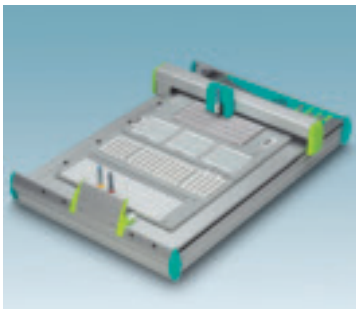
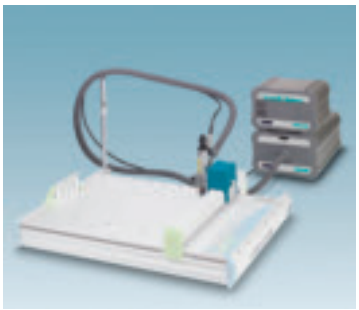
Description	Color	Type	Order No.	Pcs. / Pkt.
Disposable pen, non-refillable, for manual labeling, can be also used for plotter marking in combination with the P-PEN ADAPTER.		**P-PEN**	**0815211**	1

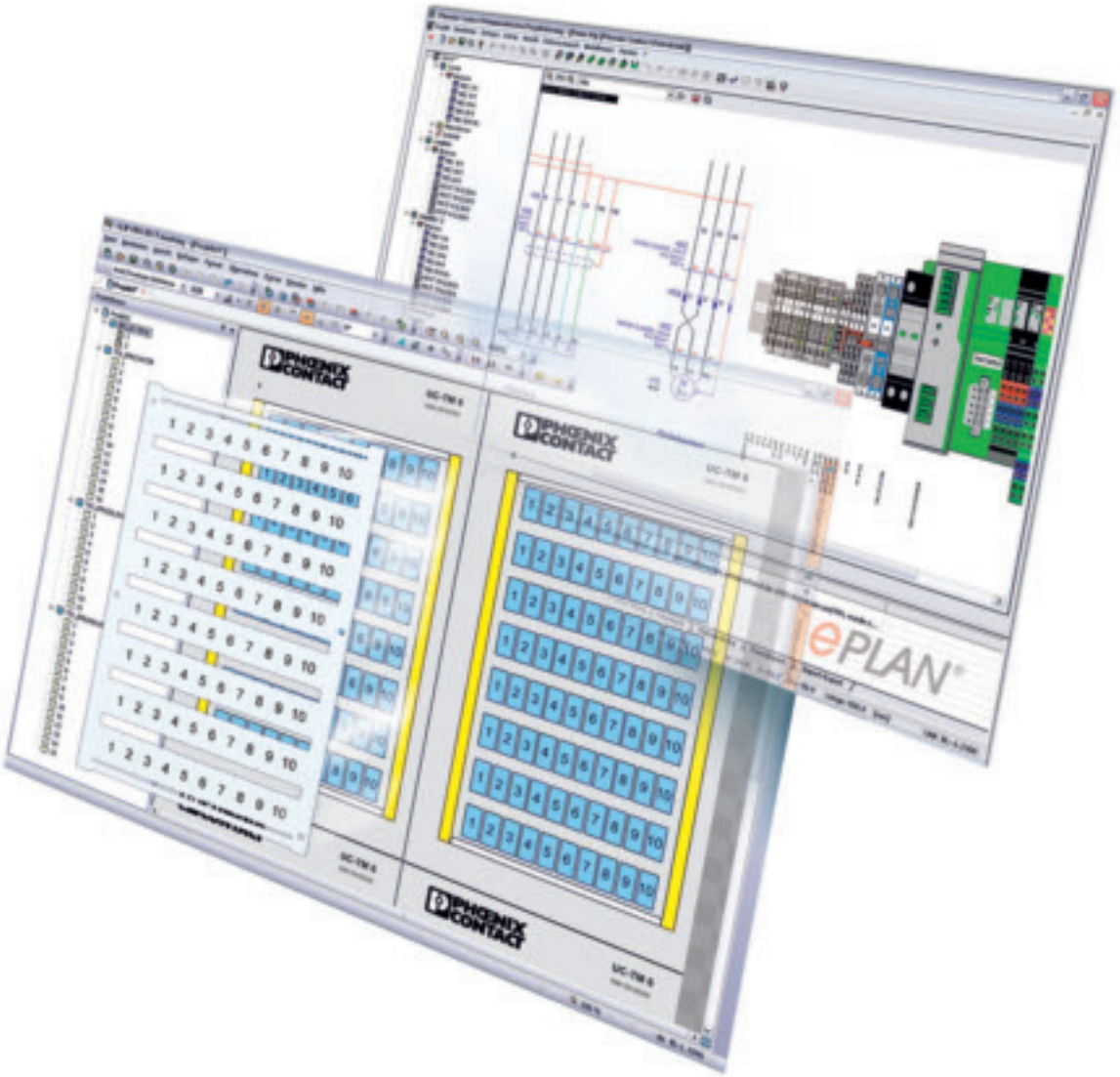




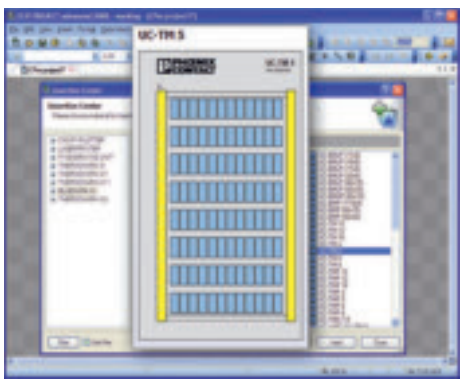


Labeling system	BLUEMARK LED	THERMOMARK S1.1	THERMOMARK X1.2
Terminal block marking			
UC-TM...	Page 478		
UC-TMF...	Page 482		
UC-TMN...	Page 485		
ZB...			
ZBF...			
TMT...		Page 496	Page 496
TML...		Page 499	Page 499
SK...		Page 500	Page 500
UC1-TM... / UC2-TM... / UC3-TM...	Page 512		
Conductor marking			
UC-WMC...	Page 535		
UC-WMTBA...	Page 540		
UC-WMT...	Page 542		
EMT...		Page 545	Page 545
WMT.../WMTB...		Page 550	Page 550
WML...		Page 552	Page 552
KML/FKML...			
WMS...		Page 554	Page 554
WMS... (Continuous)			Page 554
LBHZ...			
Equipment marking			
UC-EMLP...	Page 574		
UC-EMP...	Page 578		
UC-EM...	Page 582		
EML...		Page 590	Page 590
EMLP...		Page 594	Page 594
GPE...			
BMK...			
BMKL...			

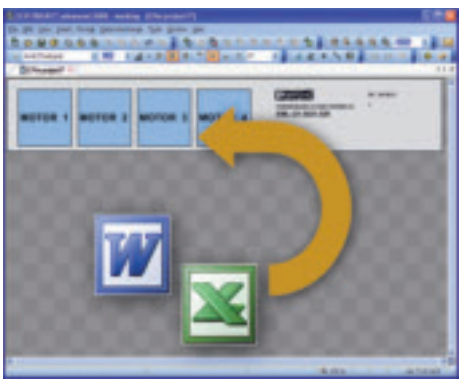
			
THERMOMARK W2	**CMS-P1-PLOTTER**	**P1 ENGRAVING UNIT**	**Laser printers**
	Page 478		
	Page 482		
	Page 485		
	Page 486		
	Page 492		
	Page 500		Page 500
	Page 512		
	Page 535		
	Page 540		
	Page 542		
	Page 553		Page 553
Page 555			
	Page 569		
	Page 574		
	Page 578		
	Page 582		
	Page 596	Page 596	
	Page 599		
	Page 598		Page 598



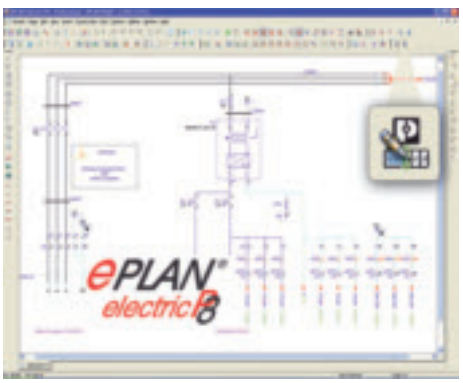
Marking module



For quick product selection, the marking materials are displayed as a preview during selection.



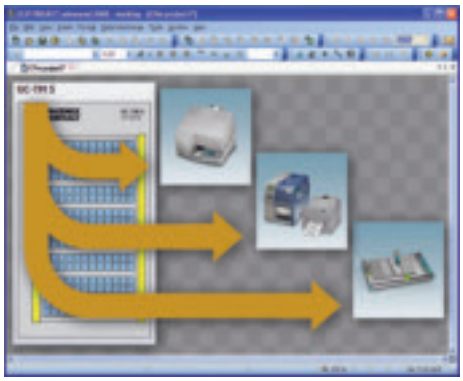
Interfaces for all CAE systems and table and text processing programs are available for open data exchange.



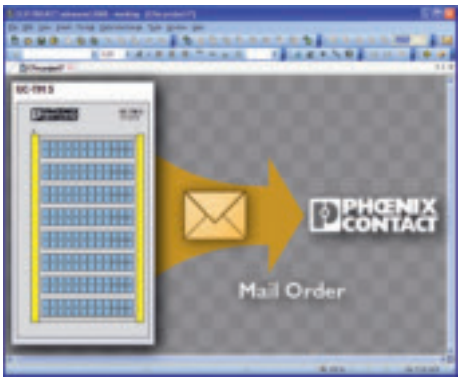
Thanks to the integration of CLIP PROJECT into EPLAN P8, the labeling data for terminal block, conductor and equipment marking can be automatically transferred from the circuit diagram.



With the online update, the user can immediately make use of new products and program extensions for the marking and planning module.

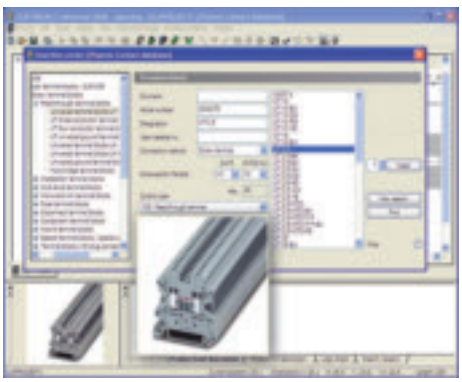


A single software program can activate all output devices from Phoenix Contact and standard office printers in the easiest manner possible.

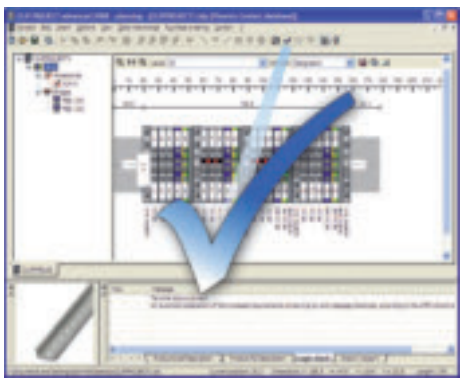


Phoenix Contact offers a labeling service. All items can be ordered printed as desired by the customer via the e-mail function.

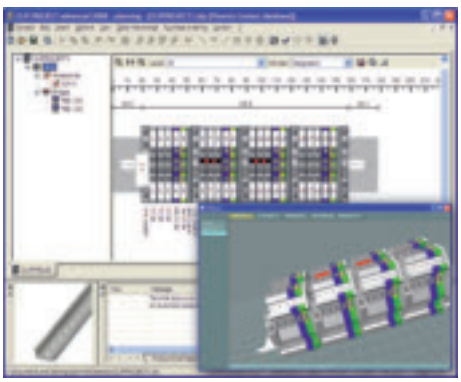
Planning module



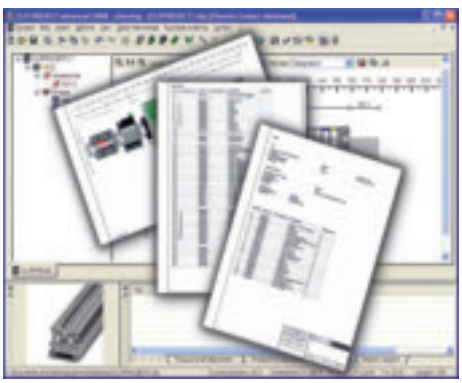
For a quick product selection, all DIN rail-mountable products from Phoenix Contact are displayed as a preview during selection.



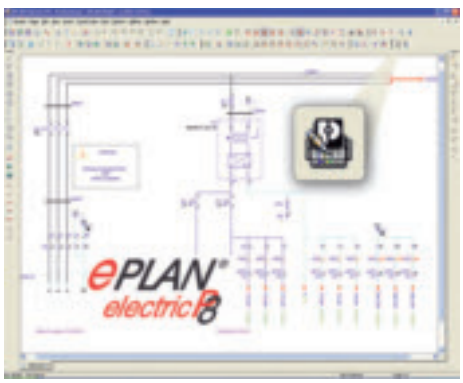
Thanks to the autocorrection function, the planned terminal strip is checked and missing accessories are inserted automatically.



For further processing in the mechanical design, the pre-configured terminal strips are available as 2D and 3D design data at a click of the mouse.



A complete documentation is available for a quick and error-free mechanical set-up of the terminal strips.



Thanks to the integration of CLIP PROJECT into EPLAN P8, terminal strips are automatically created in CLIP PROJECT from the circuit diagram. The product data is written back into the parts lists from EPLAN via the bidirectional interface.



Phoenix Contact offers a terminal strip service. The terminal strips configured as per your requirements can be ordered using the e-mail function. Phoenix Contact delivers the terminal strips in next to no time.

CLIP PROJECT advanced

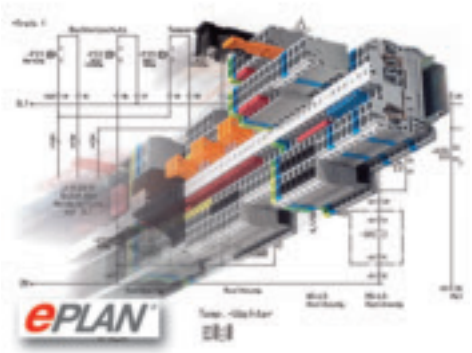
The CLIP PROJECT advanced range enables quick planning and marking for the control cabinet and the field. As a component of the value added process, CLIP PROJECT advanced imports data from the electrical planning systems and places the correct products in graphics and parts list automatically.

The automatic correction function sets the required end brackets, covers etc. automatically and thus ensures high quality documentation. Complete documentation of the assembled DIN rail is output if desired. All signs for terminal blocks, conductors and items are printed with a mouse click.

Thanks to automatic Internet updates, CLIP PROJECT advanced remains up-to-date all over the world. The user can obtain new products and functions in just a few seconds. The familiar Windows user interface takes the planner directly to the target.

CLIP PROJECT advanced provides the following functions:

– Planning of terminal strips with components of the CLIPLINE, INTERFACE, TRABTECH and AUTOMATION product ranges
– Automatic correction
– Selection and labeling of all markers for terminal block, conductor and equipment identification
– Supporting the output devices from Phoenix Contact
– Automatic two-way data exchange with electrical planning systems
– Complete documentation
– Automatic Internet updates





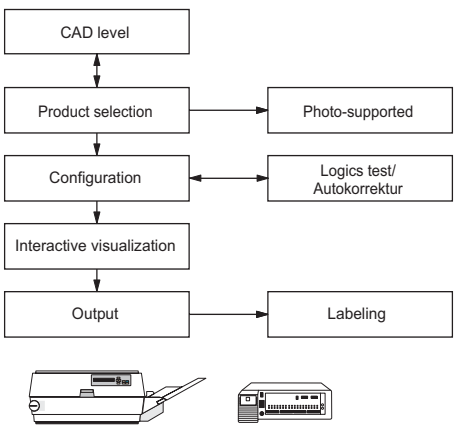
CLIP-PROJECT ADVANCED

General data	
Software interface	EPLAN 5.7 EPLAN 21 EPLAN Electric P8 RUPLAN ELCAD CIM-TEAM E^3 Promis-e WSCAD IGE XAO PC Schematic
System requirements	
CPU	Pentium II > 400 MHz
Main memory	128 MB
Hard disk memory	2 GByte
Optical drive	CD-ROM
Monitor resolution	1024 x 768
Operating equipment	Mouse recommended
Operating systems	MS Windows XP, MS Windows Vista

Ordering data

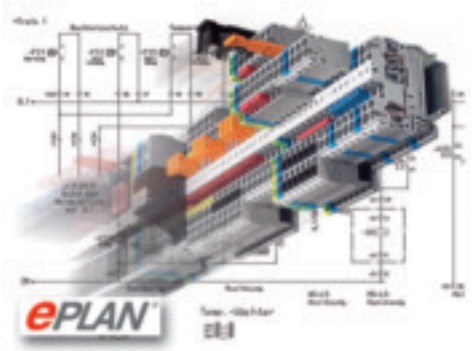
Description	Type	Order No.	Pcs. / Pkt.
CLIP PROJECT advanced, planning and marking software, German/English/French/Italian/Spanish/Russian/Polish/Hungarian/ Czech/Turkish/Portuguese and Chinese After 30 days, memory/print function and interfaces are no longer available	**CLIP-PROJECT ADVANCED**	**5146040**	1





CLIP PROJECT professional

The CLIP PROJECT planning and marking software is available in the "advanced" as well as the "professional" version. It also has a high-performance template designer which can be used to adapt labels to the existing and customized material descriptions. Graphics, various barcode types, geometric figures such as rectangles, circles and lines are also available during designing. Data from various data sources can also be imported into the templates. These options ensure fast, easy and flexible adaptation to the changing requirements.





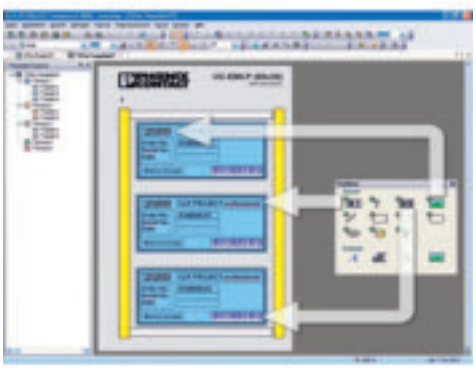
CLIP-PROJECT PROFESSIONAL

General data	
Software interface	EPLAN 5.7 EPLAN 21 EPLAN Electric P8 RUPLAN ELCAD CIM-TEAM E^3 Promis-e WSCAD IGE XAO PC Schematic
System requirements	
CPU	Pentium II > 400 MHz
Main memory	128 MB
Hard disk memory	2 GByte
Optical drive	CD-ROM
Monitor resolution	1024 x 768
Operating equipment	Mouse recommended
Operating systems	MS Windows XP, MS Windows Vista

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
CLIP PROJECT professional, planning and marking software, with template designer, German/English/French/Italian/Spanish/Russian/Polish/Hungarian/Czech/Turkish/Portuguese and Chinese After 30 days, memory/print function and interfaces are no longer available	**CLIP-PROJECT PROFESSIONAL**	**5146053**	1







Control cabinet technology
CABINET add-on

CABINET add-on stands for innovative control cabinet technology from Phoenix Contact. The installation of switchgear and control cabinets need not be time and space-consuming if suitable assembly equipment is used and the right tool is selected. Phoenix Contact offers a comprehensive product range for this.

The automation of individual activities is a logical answer to increased costs for control cabinet construction. Especially the automatic devices from Phoenix Contact allow optimum preparation of cables and conductors for the effective wiring of your systems.

Covers and shield clamps from Phoenix Contact guarantee the necessary safety for both the user and the system.

The cable entry system rounds off the product range and allows you to run pre-assembled conductors into the control cabinet safely and without a great deal of space.

Program overview

Manual tools **622**

Cable cutters **624**
Safety tool **626**
Wiring channel, profile and DIN rail cutter **628**
Stripping tools **630**
Crimping pliers for ferrules **634**
Crimping pliers for slip-on sleeves, cable lugs and plugs **637**
Screwdriver, battery-powered screwdriver and control cabinet key **644**
Tool sets **647**
Voltage tester and test devices **648**

Automatic devices **652**

Cutting machine **654**
Stripping machines **655**
Crimping machines **657**
Ferrules **660**
Cable lugs **670**

Shield clamps **676**

Cable entry system **684**

Mounting material **690**

DIN rails, cable catching clamps and rail **692**
End bracket and terminal strip marking **696**
Flat, angled bracket, DIN-rail adapter **700**
Cover profiles for terminal strips **702**
Cable ducts **706**

Installation products **708**

Neutral busbars **708**
Connection terminal blocks for the neutral busbars **710**
European terminal blocks **712**
Plug-in terminal blocks **716**
Cable binders **717**





Professional cutting



Professional stripping off



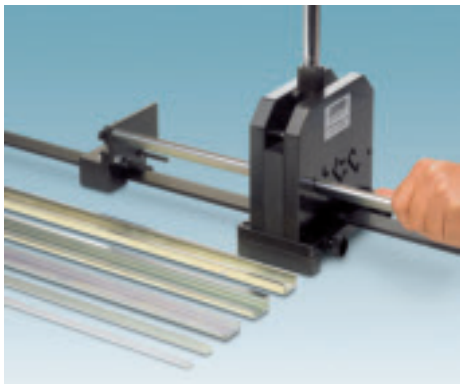
Professional crimping with forces reduced by up to 25%



An optimum cable cutter is available for every application. Different designs allow the professional processing of conductors and wires of up to 100 mm diameter. All parts that are under a particular strain are tempered or specially hardened.



An extensive range of combination tools is available for the universal use. The safety tools equipped with 2-component anti-skid handles are VDE-tested and marked as per DIN EN 60900.



Profile cutters are available for the quick, burr-free and non-cutting processing of DIN rails and cable ducts. An optionally usable hydraulic unit automates the manual DIN rail cutter.



All types of conductors and wires can be stripped off quickly, precisely and safely using the stripping tools. The adjustment to the respective conductor cross-section is automatic.



The WIREFOX-D SHIELD stripping pliers allow the easy creation of cable cutouts and conductor pick-offs. These pliers are optimally suitable for stripping off shielded cables.



The extensive range of professional crimping pliers facilitates the processing of all contact types of up to 120 mm^2. The innovative design and ergonomically shaped handles reduce the required forces by up to 25%.



The CRIMPFOX-M universal crimping pliers allow the processing of different contacts thanks to replaceable dies. The dies can be replaced easily and quickly without the need for an additional tool.



With their precise torque setting option, the torque screwdrivers and battery-powered screwdrivers are optimally adapted to the screw terminal block range from Phoenix Contact. A variety of hard and tough BIT screw inserts allow universal use.



The multimeters, clip-on ammeters and voltage testers are high-quality measuring tools that have been tested and approved in accordance with the nationally and internationally applicable standards.

Cable cutters

Phoenix Contact has the perfect cable cutter for every application. There are different designs for processing cables of a conductor diameter up to 100 mm (up to 1400 mm²).

All parts of the cable cutters that are under particular strain are tempered or especially hardened.



CUTFOX 12



CUTFOX 18

Ordering data

Description	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Cable cutter, for copper and aluminum of up to 12 mm Ø (up to 35 mm²)	**CUTFOX 12**	**1212128**	1			
Cable cutter, angled, for copper and aluminum of up to 18 mm Ø (up to 50 mm²)				**CUTFOX 18**	**1212129**	1
Front cable cutter, for copper and aluminum up to 25 mm Ø (up to 185 mm²)						
Front cable cutter, with ratchet function, for copper and aluminum of up to 35 mm Ø (up to 300 mm²)						
Ring cable cutter, with ratchet function, for copper and aluminum of up to 45 mm Ø (up to 300 mm²)						
Ring cable cutter, with ratchet function, for copper and aluminum of up to 52 mm Ø (up to 300 mm²)						
Two-hand ring cable cutter, with ratchet function, for copper and aluminum of up to 62 mm Ø (up to 750 mm²)						
Two-hand ring cable cutter, with ratchet function, for copper and aluminum of up to 100 mm Ø (up to 1400 mm²)						



CUTFOX ...



CUTFOX ...



CUTFOX ...

Type	Order No.	Pcs. / Pkt.
CUTFOX 25	1212130	1
CUTFOX 35	1212131	1

Type	Order No.	Pcs. / Pkt.
CUTFOX 45	1212132	1
CUTFOX 52	1212133	1

Type	Order No.	Pcs. / Pkt.
CUTFOX 62	1212134	1
CUTFOX 100	1212135	1

Cutting tools for special applications

The CUTFOX FBS cutting tools are suitable for disengaging individual bars of the FBS ... plug-in bridges from the CLIPLINE complete modular terminal block range. Screw bridges are cut without crushing with the CUTFOX FB.



CUTFOX-FBS



CUTFOX FB

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
Cutting tool, for separating individual jumper bars from plug-in bridges FBS...-4, FBS...-5, FBS...-6, FBS...-8 and insertion bridges EB...	CUTFOX-FBS	1212124	1
Cutting tool, for cutting fixed bridges from FBI 10-6 to FBI 10-12 Cutting capacity single/multiple/fine strand: 6/10/25 mm²	CUTFOX FB	1205985	1

VDE cutting tools

The VDE-tested cutting tools are made up of high-quality special tool steel. The inductively hardened cutting ensures long-term cutting power and thus a clean cut in soft as well as hard wires.



CUTFOX ... VDE



CUTFOX-... VDE

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
Cable cutter, precision cut with macro toothing, for copper and aluminum of up to 16 mm Ø (up to 50 mm²), VDE 1000 V AC/ 1500 V DC tested	CUTFOX 16 VDE	1212126	1
Cable cutter, precision cut with macro toothing, for copper and aluminum of up to 25 mm Ø (up to 70 mm²), VDE 1000 V AC/ 1500 V DC tested	CUTFOX 25 VDE	1212127	1
Power side cutter, with optimized lever translation, for piano wire as well, VDE 1000 V AC/ 1500 V DC tested	CUTFOX-SP VDE	1212206	1
Diagonal cutter, with optimized lever translation, for piano wire as well, VDE 1000 V AC/ 1500 V DC tested	CUTFOX-S VDE	1212207	1

VDE combination pliers

The ergonomic manual tools have a positive effect on the holding and cutting power due to the favorable translation ratios. The force required of the user is noticeably low.



UNIFOX-CE VDE



UNIFOX-C VDE

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
Combination pliers, angled, with spring reset, gripping surfaces intertoothed, integrated ring key M6 - M10, VDE 1000 V AC/ 1500 V DC tested	**UNIFOX-CE VDE**	**1212203**	1
Combination pliers, gripping surfaces intertoothed, integrated ring key M6 - M10, VDE 1000 V AC/ 1500 V DC tested	**UNIFOX-C VDE**	**1212202**	1

VDE combination pliers

The safety devices from Phoenix Contact are tested to DIN EN 60900 (VDE 0682-201) and are suitable for work on or in the vicinity of live parts up to 1000 V AC voltage or 1500 V DC voltage. The tools have ergonomic two-component safety handles.



UNIFOX-... VDE



UNIFOX-... VDE

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
Flat-nosed pliers, gripping surface toothed, VDE 1000 V AC/ 1500 V DC tested	**UNIFOX-F VDE**	**1212363**	1
Round-nosed pliers, gripping surface toothed, VDE 1000 V AC/ 1500 V DC tested	**UNIFOX-R VDE**	**1212364**	1
Needle-nosed pliers with cut, gripping surface toothed, VDE 1000 V AC/ 1500 V DC tested	**UNIFOX-P VDE**	**1212204**	1
Needle-nosed pliers with cut, 45° bent, gripping surface toothed, VDE 1000 V AC/ 1500 V DC tested	**UNIFOX-PC VDE**	**1212205**	1

Wiring channel/profile cutter

The PPS CD M wiring channel cutter cuts channels and covers up to a width of 125 mm and a wall thickness of 2.5 mm burr-free and non-cutting in seconds. A spring-mounted knife protection provides the necessary safety.

PPS BASIC I/M is a lightweight version of profile cutters. It processes the common EN DIN rails NS 35/15, NS 35/7,5 and NS 15, and the PEN conductor busbar NLS-CU 3/10.



PPS CD M
Wiring channel cutter



PPS BASIC I/M
DIN rail cutter

Dimensions		Width	Length	Height	Width	Length	Height
	[mm]	**285**	**280**	**290**	**150**	**60**	**180**
General data							
Weight	[kg]	10.5			8.3		
Length of the measuring bar	[mm]	1000			1000		
Length of the hand lever	[mm]	500			590		
Wiring channels (wall thickness)	[mm]	2.50			-		
Cutting width	[mm]	125			-		

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Wiring channel cutter, for cutting of wiring channels and their covers and profiles, with a metric measuring rail, cutting width 125 mm	Black	**PPS CD M**	**1207569**	1			
Profile cutter, for cutting standard DIN rails, NS 15 / NS 35/7,5 / NS 35/15 and neutral busbar NLS-CU 3/10, with an inch/metric measuring rail	Black				**PPS BASIC I/M**	**1207585**	1

Accessories

Spare knife		**PPS CD BLADE**	**1207572**	1			
Spare counter support		**PPS CD M COHO**	**1208995**	1			
Workbench, with plywood panel 700 x 1200 x 50 mm, without mounting screws and bore holes		**PPS TABLE**	**1206285**	1	**PPS TABLE**	**1206285**	1





Profile cutter with punching inserts

The PPS STANDARD and PPS CLASSIC can be equipped with two stamping bits for round holes or elongated holes. The PPS CLASSIC is advantageous where hole sizes often change. By simply folding open the PPS... upper part, the stamping bits can be changed in no time at all.

Attention: When ordering please specify the stamping tool desired.



PPS STANDARD ...

DIN rail cutter with bore hole die



PPS CLASSIC ...

DIN rail cutter with bore hole die

Dimensions		Width	Length	Height	Width	Length	Height
	[mm]	**180**	**100**	**220**	**250**	**100**	**230**
General data							
Weight	[kg]	19			19		
Length of the measuring bar	[mm]	1000			1000		
Length of the hand lever	[mm]	1000			1000		

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Profile cutter, for cutting and stamping of standard DIN rails, NS 15 / NS 32 / NS 35/7,5 / NS 35/15 and neutral busbar NLS-CU 3/10, for accommodating two stamping inserts, without stamping tool, with a metric measuring rail							
	Black	**PPS STANDARD M**	**1206175**	1			
Same as before, but with inch/metric measuring rail	Black	**PPS STANDARD I/M**	**1206230**	1			
Profile cutter, for cutting and stamping of standard DIN rails, NS 15 / NS 32 / NS 35/7,5 / NS 35/15 and neutral busbar NLS-CU 3/10, for accommodating two stamping inserts, easy replacement of stamping inserts without using a stamping tool, with an inch/metric measuring rail							
	Black				**PPS CLASSIC M**	**1206243**	1
Same as before, but with inch/metric measuring rail	Black				**PPS CLASSIC I/M**	**1206256**	1

Accessories

Stamping insert, for elongated holes, longitudinal:							
3.5 x 12 mm		**PPS-ST (3,5X12)L**	**1203563**	1	**PPS-ST (3,5X12)L**	**1203563**	1
4.5 x 12 mm		**PPS-ST (4,5X12)L**	**1203534**	1	**PPS-ST (4,5X12)L**	**1203534**	1
5.5 x 12 mm		**PPS-ST (5,5X12)L**	**1202603**	1	**PPS-ST (5,5X12)L**	**1202603**	1
6.35 x 15 mm		**PPS-ST (6,35X15)L**	**1204876**	1	**PPS-ST (6,35X15)L**	**1204876**	1
6.5 x 15 mm		**PPS-ST (6,5X15)L**	**1202593**	1	**PPS-ST (6,5X15)L**	**1202593**	1
Stamping insert, for elongated holes, traverse:							
3.5 x 12 mm		**PPS-ST (3,5X12)Q**	**1203550**	1	**PPS-ST (3,5X12)Q**	**1203550**	1
4.5 x 12 mm		**PPS-ST (4,5X12)Q**	**1203547**	1	**PPS-ST (4,5X12)Q**	**1203547**	1
5.5 x 12 mm		**PPS-ST (5,5X12)Q**	**1203411**	1	**PPS-ST (5,5X12)Q**	**1203411**	1
6.5 x 15 mm		**PPS-ST (6,5X15)Q**	**1203408**	1	**PPS-ST (6,5X15)Q**	**1203408**	1
Stamping bit, for bore holes							
3.8 mm Ø		**PPS-ST (3,8)**	**1204892**	1	**PPS-ST (3,8)**	**1204892**	1
4.3 mm Ø		**PPS-ST (4,3)**	**1202616**	1	**PPS-ST (4,3)**	**1202616**	1
5.3 mm Ø		**PPS-ST (5,3)**	**1202629**	1	**PPS-ST (5,3)**	**1202629**	1
6.4 mm Ø		**PPS-ST (6,4)**	**1202632**	1	**PPS-ST (6,4)**	**1202632**	1
7.0 mm Ø		**PPS-ST (7,0)**	**1204889**	1	**PPS-ST (7,0)**	**1204889**	1
8.4 mm Ø		**PPS-ST (8,4)**	**1202726**	1	**PPS-ST (8,4)**	**1202726**	1
Hydraulic cylinder, for connection to an existing hydraulic system, operating pressure 160 - 220 bar							
		PPS HYDRAULIC CYL	**1208924**	1			
Workbench, with plywood panel 700 x 1200 x 50 mm, without mounting screws and bore holes							
		PPS TABLE	**1206285**	1	**PPS TABLE**	**1206285**	1

Stripping tools

The stripping pliers WIREFOX from Phoenix Contact are characterized by a mechanism that adjusts automatically to different kinds of insulation and conductor diameters. Particularly useful are the integrated wire cutter and the flexibly adjustable stop for the stripping length.



WIREFOX 2,5



WIREFOX 4

Conductor/cable stripping range			
Wire cutter solid // stranded	[mm²] / AWG	2.5 / 14 // 6 / 10	1.5 / 16 // 10 / 8
Stripping length up to ...	[mm]	15	18
Conductor / cable	[mm²] / AWG	0.08 - 2.5 / 28 - 12	0.1 - 4 / 28 - 12

Ordering data

Description	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Stripping tool, angled, for lines and conductors (specially for PTFE isolations) of 0.08 - 2.5 mm², self-adjusting, stripping length of up to 15 mm, cutting capacity: solid up to 2.5 mm², stranded up to 6 mm²	**WIREFOX 2,5**	**1212368**	1			
Stripping tool, for cables and conductors (especially also for PTFE insulations) of 0.1 - 4 mm², self-aligned, stripping length up to 18 mm, cutting capacity: solid up to 1.5 mm², stranded up to 10 mm²				**WIREFOX 4**	**1212156**	1
Stripping tool, for wires and conductors of 4 - 16 mm², self-aligned, stripping length up to 18 mm, cutting capacity: solid up to 1.5 mm², stranded up to 10 mm²						
Stripping tool, for wires and conductors of 4 - 16 mm², self-aligned, stripping length up to 18 mm, cutting capacity: solid up to 1.5 mm², stranded up to 10 mm²						
Stripping pliers, for wires and conductors of 6 - 16 mm², self-aligned, any desired stripping length						
Stripping tool, for lines and conductors (specially for short-circuit-proof lines) of 1.5 - 6 mm², self-adjusting, stripping length of up to 18 mm, cutting capacity: solid up to 1.5 mm², stranded up to 10 mm²						
Stripping pliers, for AS interface flat wires, any desired stripping length						

Accessories

Spare knife	**WIREFOX 2,5/SB**	**1212369**	1	**WIREFOX 4/SB**	**1212151**	1
Spare limit stop	**WIREFOX 2,5/WS**	**1212370**	1			



WIREFOX 10

1.5 / 16 // 10 / 8
18
0.2 - 10 / 8 - 34

Type	Order No.	Pcs. / Pkt.
WIREFOX 10	1212150	1
WIREFOX 10/SB	1212152	1



WIREFOX 16...

1.5 / 16 // 10 / 8
18
4 - 16 / 10 - 5

Type	Order No.	Pcs. / Pkt.
WIREFOX 16	1212155	1
WIREFOX 16-1	1212157	1
WIREFOX 16/SB	1212153	1



WIREFOX ...

1.5 / 16 // 10 / 8
18
0.1 - 4 / 28 - 12

Type	Order No.	Pcs. / Pkt.
WIREFOX 6SC	1212158	1
WIREFOX ASI	1212154	1
WIREFOX 6SC/SB	1212314	1

Stripping tools

The wide range of precision stripping tools provides the right tool for every application. Conductors and lines with different isolations can be stripped up to a diameter of 40 mm.



WIREFOX-D 11



WIREFOX-D ...

Ordering data

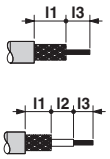
Description	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Stripping tool, for stripping multicore signal, control and glass fiber wires of 2.5 - 11 mm Ø, insulation thickness up to 1 mm	**WIREFOX-D 11**	**1212160**	1			
Stripping tool, for stripping installation wires with 8 - 13 mm Ø, for example, NYM 3x1.5 mm^2 to NYM 5x2.5 mm^2, single-wire stripping, 0.2 - 4 mm^2, with blade for lateral cutting and extendable knife				**WIREFOX-D 13**	**1212162**	1
Stripping tool, for stripping wires (especially fiber optics wires) of 4 - 16 mm Ø				**WIREFOX-D 16**	**1212173**	1
Stripping tool, for stripping wires of 8 - 28 mm Ø				**WIREFOX-D 28**	**1212174**	1
Stripping tool, for stripping conductors of 4.5 - 40 mm Ø, insulation strength up to 4.5 mm, swiveling knife for round, longitudinal and spiral cuts						
Stripping tool, for coaxial cables of 2.5 - 7.6 mm Ø 2-stage, setting dimension l1 = 6.0 mm 2-stage, setting dimension l1 = 9.2 mm 2-stage, setting dimension l1 = 12 mm 2-stage, setting dimension l1 = 6.8 mm 3-stage, setting dimension l1 = 5.5 mm, l2 = 5.5 mm 3-stage, setting dimension l1 = 2.7 mm, l2 = 8.3 mm 3-stage, setting dimension l1 = 6.0 mm, l2 = 6.0 mm 3-stage, setting dimension l1 = 2.5 mm, l2 = 6.8 mm 3-stage, setting dimension l1 = 3.5 mm, l2 = 7.5 mm						
Stripping pliers, for stripping wires for cable cutouts, wire pick-offs and shield connections						

Accessories

Spare knife	**WIREFOX-D 11/SB**	**1212312**	1			



WIREFOX-D 40





WIREFOX-D CX-...



WIREFOX-D SHIELD

Type	Order No.	Pcs. / Pkt.
WIREFOX-D 40	1212161	1
WIREFOX-D 40/SB	1212313	1

Type	Order No.	Pcs. / Pkt.
WIREFOX-D CX-1	1212163	1
WIREFOX-D CX-2	1212164	1
WIREFOX-D CX-3	1212165	1
WIREFOX-D CX-4	1212166	1
WIREFOX-D CX-5	1212167	1
WIREFOX-D CX-6	1212168	1
WIREFOX-D CX-7	1212169	1
WIREFOX-D CX-8	1212170	1
WIREFOX-D CX-9	1212171	1
WIREFOX-D CX-1/SB	1212303	1
WIREFOX-D CX-2/SB	1212304	1
WIREFOX-D CX-3/SB	1212305	1
WIREFOX-D CX-4/SB	1212306	1
WIREFOX-D CX-5/SB	1212307	1
WIREFOX-D CX-6/SB	1212308	1
WIREFOX-D CX-7/SB	1212309	1
WIREFOX-D CX-8/SB	1212310	1
WIREFOX-D CX-9/SB	1212311	1

Type	Order No.	Pcs. / Pkt.
WIREFOX-D SHIELD	1212172	1

Crimping pliers for ferrules



Suitable ferrules, cable lugs and flat connectors have been documented, see from page 661.





CRIMPFOX 6

The comprehensive range of CRIMPFOX crimping pliers attains optimum crimping for all ferrules in the case of large conductor cross-sections with minimum forces. Equipped with a pressure lock (that can be released), the pliers provide uniform high quality crimping The marked die stations serve in accurate processing of the relevant cross-sections.

The self-adjusting CRIMPFOX 6S/T die automatically adapts to the connector size and is impressive due to its fast and reliable contact processing. The ergonomically formed handles ensure an optimum hold, thus making work less strenuous.

Application range		
Conductor	[mm²] / AWG	0.25 - 6 / 24 - 10
Compression		Trapezoidal crimp

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
Crimping pliers, for ferrules as per DIN 46228-1 and DIN 46228-4, five marked die stations, pressure lock can be released, lateral entry	**CRIMPFOX 6**	**1212034**	1
Crimping pliers, for ferrules as per DIN 46228-1 and DIN 46228-4, self-adjusting die, pressure lock can be released, front entry			
Crimping pliers, for ferrules as per DIN 46228-1 and DIN 46228-4, self-adjusting die, pressure lock can be released, lateral entry			
Crimping pliers, for ferrules as per DIN 46228-1 and DIN 46228-4, self-adjusting die, pressure lock can be released, front entry			

Accessories

Spare die	**CRIMPFOX 6/DIE**	**1212035**	1
Replacement recuperating spring	**CRIMPFOX/ SPR-3**	**1212036**	1



CRIMPFOX 6S-F

0.5 - 6 / 20 - 10
Square crimp

Type	Order No.	Pcs. / Pkt.
CRIMPFOX 6S-F	1212043	1
CRIMPFOX 6S-F/DIE	1212285	1
CRIMPFOX/ SPR-3	1212036	1



CRIMPFOX 6T

0.25 - 6 / 20 - 10
Trapezoidal crimp

Type	Order No.	Pcs. / Pkt.
CRIMPFOX 6T	1212037	1
CRIMPFOX 6T/DIE	1212298	1
CRIMPFOX/ SPR-1	1212069	1



CRIMPFOX 6T-F

0.25 - 6 / 20 - 10
Trapezoidal crimp

Type	Order No.	Pcs. / Pkt.
CRIMPFOX 6T-F	1212038	1
CRIMPFOX 6T-F/DIE	1212297	1
CRIMPFOX/ SPR-1	1212069	1

Crimping pliers for ferrules

Great importance has been placed on energy-saving work with these compact crimping pliers. The way in which the handles and the die are arranged means that the ferrules can be fitted however the tool is held.

Suitable ferrules, cable lugs and flat connectors have been documented, see from page 661.





CRIMPFOX 10S

CRIMPFOX 6H

Application range		
Conductor [mm²] / AWG	0.14 - 10 / 25 - 7	0.14 - 6 / 25 - 10
Compression	Square crimp	Hexagonal

Ordering data

Description	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Crimping pliers, for ferrules as per DIN 46228, 0.14 - 10 mm², pressure lock can be released, lateral entry	**CRIMPFOX 10S**	**1212045**	1			
Crimping pliers, for ferrules as per DIN 46228, 0.14 - 6 mm², pressure lock can be released, lateral entry				**CRIMPFOX 6H**	**1212046**	1

Accessories

Replacement recuperating spring	**CRIMPFOX/SPR-2**	**1212047**	1	**CRIMPFOX/SPR-2**	**1212047**	1

Crimping pliers for ferrules

The CRIMPFOX 25R /...50R crimping pliers help in processing ferrules of up to 50 mm². The ergonomically formed handles and the optimized mechanical translation ensure optimum hold and reduce the force needed by 25%.

Suitable ferrules, cable lugs and flat connectors have been documented, see from page 661.





CRIMPFOX 25R

CRIMPFOX 50R

Application range		
Conductor [mm²] / AWG	10 - 25 / 8 - 4	35 - 50 / 2 - 1
Compression	WM crimp	WM crimp

Ordering data

Description	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Crimping pliers, for ferrules as per DIN 46228-1 and DIN 46228-4, three marked die stations, pressure lock can be released, lateral entry	**CRIMPFOX 25R**	**1212039**	1			
Crimping pliers, for ferrules as per DIN 46228-1 and DIN 46228-4, two marked die stations, pressure lock can be released, lateral entry				**CRIMPFOX 50R**	**1212041**	1

Accessories

Spare die	**CRIMPFOX 25R/DIE**	**1212040**	1	**CRIMPFOX 50R/DIE**	**1212042**	1
Replacement recuperating spring	**CRIMPFOX/ SPR-1**	**1212069**	1	**CRIMPFOX/ SPR-1**	**1212069**	1

Crimping pliers for cable lugs and plugs

All pliers of the CRIMPFOX series feature an integrated pressure lock. They unlock as soon as the required crimping pressure is attained, thus ruling out the possibility of too little pressure. The color marking on the die clearly allocates the cross-section.

Suitable ferrules, cable lugs and flat connectors have been documented, see from page 661.





CRIMPFOX-RCI 1

CRIMPFOX-RCI 2,5

Application range		
Conductor [mm²] / AWG	0.14 - 1 / 26 - 18	0.75 - 2.5 / 20 - 14
Compression	Oval crimp	Oval crimp

Ordering data

Description	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Crimping pliers, for insulated cable lugs (light green, red), three marked die stations, pressure lock can be released, lateral entry	CRIMPFOX-RCI 1	1212055	1			
Crimping pliers, for insulated cable lugs (red, blue), two marked die stations, pressure lock can be released, lateral entry				CRIMPFOX-RCI 2,5	1212053	1

Accessories

Spare die	CRIMPFOX-RCI 1/DIE	1212056	1	CRIMPFOX-RCI 2,5/DIE	1212054	1
Replacement recuperating spring	CRIMPFOX/ SPR-3	1212036	1	CRIMPFOX/ SPR-3	1212036	1

Crimping pliers for cable lugs and plugs

The CRIMPFOX-RCI 6 /...-1 completes the range of cable lug crimping pliers towards the high end. The precisely manufactured dies provide a uniform and high quality during contact processing.

Suitable ferrules, cable lugs and flat connectors have been documented, see from page 661.





CRIMPFOX-RCI 6

CRIMPFOX-RCI 6-1

Application range		
Conductor [mm²] / AWG	0.75 - 6 / 20 - 10	0.75 - 6 / 20 - 10
Compression	Oval crimp	Oval crimp

Ordering data

Description	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Crimping pliers, for insulated cable lugs symmetric (red, blue, yellow), three marked die stations, pressure lock can be released, lateral entry	CRIMPFOX-RCI 6	1212057	1			
Crimping pliers, for insulated cable lugs asymmetric (red, blue, yellow), three marked die stations, pressure lock can be released, lateral entry				CRIMPFOX-RCI 6-1	1212059	1

Accessories

Spare die	CRIMPFOX-RCI 6/DIE	1212058	1	CRIMPFOX-RCI 6-1/DIE	1212290	1
Replacement recuperating spring	CRIMPFOX/ SPR-1	1212069	1	CRIMPFOX/ SPR-1	1212069	1

Crimping pliers for non-insulated cable lugs

The CRIMPFOX-RC is characterized by its compact and light design. It helps in processing non-insulated cable lugs. Equipped with a forced lock (unlockable), the pliers provide a uniform high quality of crimping. The ergonomically formed handles ensure an optimum hold, thus making work less strenuous. The conductor entry is lateral. Three labeled die stations serve for precise processing of the relevant cross-sections.

Suitable ferrules, cable lugs and flat connectors have been documented, see from page 661.





CRIMPFOX-RC 2,5

Application range		
Conductor	[mm²] / AWG	0.75 - 2.5 / 20 - 14
Compression		Indent crimp

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
Crimping pliers, for non-insulated cable lugs, three marked die stations, pressure lock can be released, lateral entry	CRIMPFOX-RC 2,5	1212063	1

Accessories

Spare die	CRIMPFOX-RC 2,5/DIE	1212064	1
Replacement recuperating spring	CRIMPFOX/ SPR-3	1212036	1

Crimping pliers for non-insulated cable lugs

The CRIMPFOX-RC 10 and ...-RCT 25 complete the range of crimping pliers for non-isolated cable lug and isolated tube lugs. All CRIMPFOX pliers of this type reduce the force needed by 25% during crimping.

Suitable ferrules, cable lugs and flat connectors have been documented, see from page 661.





CRIMPFOX-RC ...





CRIMPFOX-RCT 25-1

Application range			
Conductor	[mm²] / AWG	4 - 10 / 12 - 8	10 - 25 / 8 - 4
Compression		Indent crimp	HEX crimp

Ordering data

Description	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Crimping pliers, for non-insulated cable lugs	CRIMPFOX-RC 10	1212061	1			
Crimping pliers, for non-insulated cable lugs	CRIMPFOX-RC 25	1212065	1			
Crimping pliers, for non-insulated tube lugs				CRIMPFOX-RCT 25-1	1212066	1

Accessories

Spare die	CRIMPFOX-RC 10/DIE	1212062	1			
Spare die	CRIMPFOX-RC 25/DIE	1212299	1	CRIMPFOX-RCT 25/DIE	1212300	1
Replacement recuperating spring	CRIMPFOX/ SPR-1	1212069	1	CRIMPFOX/ SPR-1	1212069	1

Basic pliers, for accommodating dies

The wide variety of dies makes the CRIMPFOX-C... universal crimping pliers of up to 120 mm². Easy-to-fold jaw holders help in quick replacement of dies. A mechanical drive system minimizes the force needed.

Suitable ferrules, cable lugs and flat connectors have been documented, see from page 661.

For more dies, see www.phoenixcontact.de/eshop.



CRIMPFOX-C50 ...



CRIMPFOX-C120 ...

Ordering data

Description	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Basic pliers, with ratchet function, for accommodating dies for various contacts						
Up to 50 mm²	**CRIMPFOX-C50**	**1212340**	1			
Two-hand operation of up to 120 mm²				**CRIMPFOX-C120**	**1212318**	1
Accessories						
Upper part of die, for ferrules 50 mm², 70 mm², trapezoidal crimp						
				CRIMPFOX-C120 AI 70/M-DIE	**1212335**	1
For 95 mm²				**CRIMPFOX-C120 AI 95/M-DIE**	**1212336**	1
Lower part of die, for ferrules 50 mm², trapezoidal crimp				**CRIMPFOX-C120 AI 50/F-DIE**	**1212337**	1
For 70 mm²				**CRIMPFOX-C120 AI 70/F-DIE**	**1212338**	1
For 95 mm²				**CRIMPFOX-C120 AI 95/F-DIE**	**1212339**	1
Die (pair), for isolated cable lugs, 10 mm², oval crimp						
	CRIMPFOX-C50 RCI 10/DIE	**1212346**	1	**CRIMPFOX-C120 RCI 10/DIE**	**1212327**	1
For 16 mm²	**CRIMPFOX-C50 RCI 16/DIE**	**1212347**	1	**CRIMPFOX-C120 RCI 16/DIE**	**1212328**	1
For 25 mm²	**CRIMPFOX-C50 RCI 25/DIE**	**1212348**	1	**CRIMPFOX-C120 RCI 25/DIE**	**1212329**	1
For 35 mm²				**CRIMPFOX-C120 RCI 35/DIE**	**1212330**	1
Die upper part, for non-isolated cable lugs, (DIN 46234) 6 - 35 mm², indent crimp						
	CRIMPFOX-C50 RC 35/M-DIE	**1212343**	1			
For 6 - 70 mm²				**CRIMPFOX-C120 RC 70/M-DIE**	**1212331**	1
Die lower part, for non-isolated cable lugs, 25 mm², indent crimp	**CRIMPFOX-C50 RC 25/F-DIE**	**1212344**	1			
For 35 mm²	**CRIMPFOX-C50 RC 35/F-DIE**	**1212345**	1			
For 10, 16, 25, 35 mm²				**CRIMPFOX-C120 RC 35/F-DIE**	**1212332**	1
For 6, 50 mm²				**CRIMPFOX-C120 RC 50/F-DIE**	**1212333**	1
For 10, 70 mm²				**CRIMPFOX-C120 RC 70/F-DIE**	**1212334**	1
Die (pair), for copper tube lugs, 35 mm², WM crimp						
	CRIMPFOX-C50 RCT 35-1/DIE	**1212341**	1			
For 16, 35 mm²				**CRIMPFOX-C120 RCT 35-1/DIE**	**1212320**	1
For 50 mm²	**CRIMPFOX-C50 RCT 50-1/DIE**	**1212342**	1			
For 25, 50 mm²				**CRIMPFOX-C120 RCT 50-1/DIE**	**1212321**	1
For 10, 70 mm²				**CRIMPFOX-C120 RCT 70-1/DIE**	**1212319**	1
For 95 mm²				**CRIMPFOX-C120 RCT 95-1/DIE**	**1212322**	1
For 120 mm²				**CRIMPFOX-C120 RCT 120-1/DIE**	**1212323**	1
Pre-round die (pair), for sector cable, 25, 35 mm²						
	CRIMPFOX-C50 R25-35/DIE	**1212349**	1			
For 35, 50 mm²	**CRIMPFOX-C50 R35-50/DIE**	**1212350**	1			
For 50, 70 mm²	**CRIMPFOX-C50 R50-70/DIE**	**1212351**	1			
For 25, 50 mm²				**CRIMPFOX-C120 R25-50/DIE**	**1212324**	1
For 35, 70 mm²				**CRIMPFOX-C120 R35-70/DIE**	**1212325**	1
For 95 mm²				**CRIMPFOX-C120 R95/DIE**	**1212326**	1

Crimping pliers for non-isolated slip-on sleeves

The CRIMPFOX-SC... serves in processing non-isolated flat connectors and slip-on sleeves of up to 6 mm². Equipped with a pressure lock, the pliers provide uniform high quality crimping. The marked die stations serve in accurate processing of the relevant cross-section ranges.

Suitable ferrules, cable lugs and flat connectors have been documented, see from page 661.



CRIMPFOX-SC 1,5



CRIMPFOX-SC 6...

Application range			
Conductor	[mm²] / AWG	0.1 - 1.5 / 26 - 16	0.5 - 6 / 22 - 10
Compression		B crimp	B crimp

Ordering data

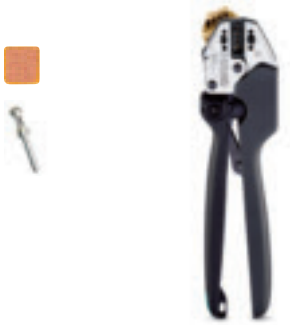
Description	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Crimping pliers, for non-isolated 2.8 and 4.8 mm slip-on sleeves, three marked die stations, pressure lock can be released, lateral entry	**CRIMPFOX-SC 1,5**	**1212048**	1			
Crimping pliers, for non-isolated 2.8 and 4.8 mm slip-on sleeves, three marked die stations, pressure lock can be released, lateral entry, incl. positioning aid				**CRIMPFOX-SC 6L**	**1212052**	1
Crimping pliers, for non-isolated 2.8 and 4.8 mm slip-on sleeves, three marked die stations, pressure lock can be released, lateral entry				**CRIMPFOX-SC 6**	**1212050**	1

Accessories

Spare die	**CRIMPFOX-SC 1,5/DIE**	**1212049**	1	**CRIMPFOX-SC 6/DIE**	**1212051**	1
Replacement recuperating spring	**CRIMPFOX/ SPR-3**	**1212036**	1	**CRIMPFOX/ SPR-1**	**1212069**	1

Crimping pliers for turned contacts

The CRIMPFOX-TC ... are crimping pliers for processing turned contacts of up to 10 mm². The integrated locator serves in accurate positioning of the contacts in the die. The marked die stations serve in accurate processing of the relevant cross-section ranges.



CRIMPFOX-TC 4

Application range		
Conductor	[mm²] / AWG	0.5 - 4 / 22 - 12
Compression		Square crimp

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
Crimping pliers, for turned contacts with a pin diameter of 1.6/2.5/4.0 mm, three marked die stations, pressure lock can be released, lateral entry, incl. positioning aid	**CRIMPFOX-TC 4**	**1212113**	1
Crimping pliers, for turned contacts with a pin diameter of 4.0 mm, three marked die stations, pressure lock can be released, lateral entry, incl. positioning aid	**CRIMPFOX-TC 10**	**1212114**	1

Accessories

Spare die	**CRIMPFOX-TC 4/DIE**	**1212295**	1
Spare die	**CRIMPFOX-TC 10/DIE**	**1212296**	1
Replacement recuperating spring	**CRIMPFOX/ SPR-1**	**1212069**	1

Crimping pliers for coaxial and fiber optics connector

The CRIMPFOX-CX ... are crimping pliers for processing coaxial connectors. The CRIMPFOX-FO for processing fiber optics connectors is another addition to our tool range.



CRIMPFOX-CX ...



CRIMPFOX-FO 5,41

Application range						
Compression	-			HEX crimp		

Ordering data

Description	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Crimping pliers, for: Coaxial connector 1.69 mm, 3.25 mm, 4.52 mm, three marked die stations, pressure lock can be released, lateral entry, hex crimp	**CRIMPFOX-CX 4,52**	**1212094**	1			
Coaxial connector 1.69 mm, 5.41 mm, 6.48 mm, three marked die stations, pressure lock can be released, lateral entry, hex crimp	**CRIMPFOX-CX 6,48**	**1212095**	1			
Coaxial connector 1.73 mm, 8.23 mm, 9.14 mm, three marked die stations, pressure lock can be released, lateral entry				**CRIMPFOX-CX 9,14**	**1212096**	1
Coaxial connector 2.54 mm, 10.54 mm, two marked die stations, pressure lock can be released, lateral entry				**CRIMPFOX-CX 10,54**	**1212097**	1
Coaxial connector 2.54 mm, 10.90 mm, two marked die stations, pressure lock can be released, lateral entry				**CRIMPFOX-CX 10,90**	**1212098**	1
Crimping pliers, for fiber optics connector, 3.25 mm, 3.84 mm, 4.52 mm, 5.0 mm, 5.41 mm, five marked die stations, pressure lock can be released, lateral entry				**CRIMPFOX-FO 5,41**	**1212099**	1
Crimping pliers for D-SUB contacts, high-density and standard, 0.08 - 5.0 mm², incl. contact, B crimp						
Black	**CRIMPFOX-DSUB 5**	**1212111**	1			

Accessories

Spare die	**CRIMPFOX-CX 4,52/DIE**	**1212284**	1			
	CRIMPFOX-CX 6,48/DIE	**1212286**	1			
				CRIMPFOX-CX 9,14/DIE	**1212293**	1
				CRIMPFOX-CX 10,54/DIE	**1212291**	1
				CRIMPFOX-CX 10,90/DIE	**1212292**	1
				CRIMPFOX-FO 5,41/DIE	**1212294**	1
Spare die	**CRIMPFOX-DSUB 5/DIE**	**1212287**	1			
Replacement recuperating spring	**CRIMPFOX/ SPR-3**	**1212036**	1	**CRIMPFOX/ SPR-1**	**1212069**	1

CRIMPFOX-M crimping tool

An excellent feature of the new CRIMPFOX-M crimping pliers is the quick replacement of crimp inserts without the use of tools. The large number of inserts makes it a space-saving universal tool for all applications.

Suitable ferrules, cable lugs and flat connectors have been documented, see from page 661.



CRIMPFOX-M ...



CRIMPFOX-M SET

Ordering data

Description	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Basic pliers, for accommodating dies for various contact types, pressure lock can be released, lateral entry						
	CRIMPFOX-M	**1212072**	1			
Crimping pliers set, consisting of CRIMPFOX-M and dies 1212074, 1212079, 1212080, 1212081						
				CRIMPFOX-M SET	**1212093**	1

Accessories

Die, for ferrules, 0.25 - 10 mm²						
	CRIMPFOX-M 10/DIE	**1212080**	1			
For 16 - 25 mm²	**CRIMPFOX-M 25/DIE**	**1212081**	1			
For 35 - 50 mm²	**CRIMPFOX-M 50/DIE**	**1212082**	1	**CRIMPFOX-M 50/DIE**	**1212082**	1
Die, for insulated cable lugs, 0.5 - 1.5 mm² and 1.5 - 2.5 mm²						
	CRIMPFOX-M RCI 2,5/DIE	**1212074**	1			
For 0.1 - 0.4 mm² and 4 - 6 mm²	**CRIMPFOX-M RCI 6/DIE**	**1212073**	1	**CRIMPFOX-M RCI 6/DIE**	**1212073**	1
Die, for non-insulated cable lugs, 0.75 - 2.5 mm²						
	CRIMPFOX-M RC 2,5/DIE	**1212078**	1	**CRIMPFOX-M RC 2,5/DIE**	**1212078**	1
For 0.5 - 6 mm²	**CRIMPFOX-M RC 6/DIE**	**1212079**	1			
For 4 - 10 mm²	**CRIMPFOX-M RC 10/DIE**	**1212077**	1	**CRIMPFOX-M RC 10/DIE**	**1212077**	1
Die, for non-insulated slip-on sleeves, 0.1 - 1 mm²						
	CRIMPFOX-M SC 1/DIE	**1212083**	1	**CRIMPFOX-M SC 1/DIE**	**1212083**	1
For 0.5 - 2.5 mm²	**CRIMPFOX-M SC 2,5/DIE**	**1212084**	1	**CRIMPFOX-M SC 2,5/DIE**	**1212084**	1
For 0.5 - 6 mm²	**CRIMPFOX-M SC 6/DIE**	**1212085**	1	**CRIMPFOX-M SC 6/DIE**	**1212085**	1
Die, For turned contacts with pin diameters 2.5 mm and 4.0 mm (CK 2,5... ,CK 4,0...), cross-section 0.14 - 4 mm²	**CRIMPFOX-M TC 4/DIE**	**1212075**	1	**CRIMPFOX-M TC 4/DIE**	**1212075**	1
For turned contacts with pin diameter 4 mm (CK 4,0...), cross-section 6 - 10 mm²	**CRIMPFOX-M TC 10/DIE**	**1212076**	1	**CRIMPFOX-M TC 10/DIE**	**1212076**	1
Die, for RG 174, RG 179, BNC, TNC coaxial connectors						
	CRIMPFOX-M CX-1/DIE	**1212087**	1	**CRIMPFOX-M CX-1/DIE**	**1212087**	1
For RG 58, RG 59, RG 62, RG 71, BNC, TNC	**CRIMPFOX-M CX-2/DIE**	**1212088**	1	**CRIMPFOX-M CX-2/DIE**	**1212088**	1
For CATV RG 6,59	**CRIMPFOX-M CX-3/DIE**	**1212089**	1	**CRIMPFOX-M CX-3/DIE**	**1212089**	1
Die, for unshielded RJ45 connectors						
	CRIMPFOX-M RJ45/DIE	**1212090**	1	**CRIMPFOX-M RJ45/DIE**	**1212090**	1
For unshielded RJ11 connectors	**CRIMPFOX-M RJ11/DIE**	**1212091**	1	**CRIMPFOX-M RJ11/DIE**	**1212091**	1
Die, for shrink butt connector, 0.1 - 0.4 mm² and 4 - 6 mm²						
	CRIMPFOX-M HS-1/DIE	**1212282**	1	**CRIMPFOX-M HS-1/DIE**	**1212282**	1

Screwdriver

In addition to their standard applications, the screwdrivers of the SZF series are also suitable for actuating the modular terminal blocks of the ST ... and QTC ... series.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



SZF ...



ST-BW

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
Screwdriver, for slotted-head screws Blade: 0.4 x 2.5 x 75 mm, length: 156 mm	**SZF 0-0,4X2,5**	**1204504**	10
Blade: 0.6 x 3.5 x 100 mm, length: 181 mm	**SZF 1-0,6X3,5**	**1204517**	10
Blade: 0.8 x 4.0 x 100 mm, length: 198 mm	**SZF 2-0,8X4,0**	**1204520**	10
Blade: 1.0 x 5.5 x 150 mm, length: 248 mm	**SZF 3-1,0X5,5**	**1206612**	10

Description	Type	Order No.	Pcs. / Pkt.
Operating tool, for all 2.5 mm² and 4 mm² ST spring-cage terminal blocks, DT push-in connection terminal blocks and QT fast connection terminal blocks	**ST-BW**	**1207608**	10

Screwdriver

Screwdrivers from Phoenix Contact have a large bearing surface in the screw head. Only in this way can the required torque be achieved with adequate force without damaging the screw head.

The safety screwdrivers are tested to DIN EN 60900 (VDE 0682-201) and are suitable for work on or in the vicinity of live parts up to 1000 V AC voltage or 1500 V DC voltage. The tools have two-component safety handles.



SZS ...

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
Screwdriver, for slotted-head screws Blade: 0.4 x 2.0 x 60 mm, length: 157 mm	**SZS 0,4X2,0**	**1205202**	10
Blade: 0.6 x 3.5 x 100 mm, length: 181 mm	**SZS 0,6X3,5**	**1205053**	10
Screwdriver, for slotted-head screws, with VDE approval			
Blade: 0.4 x 2.5 x 80 mm, length: 161 mm	**SZS 0,4X2,5**	**1205037**	10
Blade: 0.5 x 3.5 x 100 mm, length: 181 mm	**SZS 0,5X3,0**	**1207404**	10
Blade: 0.6 x 2.5 x 80 mm, length: 161 mm	**SZS 0,6X2,5**	**1205040**	10
Blade: 1.0 x 4.0 x 100 mm, length: 198 mm	**SZS 1,0X4,0**	**1205066**	10
Blade: 1.0 x 5.5 x 125 mm, length: 223 mm	**SZS 1,0X5,5**	**1209114**	10
Blade: 1.0 x 6.5 x 150 mm, length: 248 mm	**SZS 1,0X6,5**	**1205079**	10
Blade: 1.2 x 8.0 x 175 mm, length: 287 mm	**SZS 1,2X8,0**	**1205082**	10

Screwdriver

The VDE screwdriver for Phillips screw are available in the Pozidriv and Phillips recess versions. The SZG... screwdriver is ideal for slip-free and safe drive of the test socket screws.



SZK ...



SZG ...

Ordering data

Description	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Screwdriver, for Pozidriv/Supadriv Phillips screws, VDE approval						
Size: PZ0 x 80 mm, length: 161 mm	**SZK PZ0**	**1206447**	10			
Size: PZ1 x 80 mm, length: 161 mm	**SZK PZ1**	**1206450**	10			
Size: PZ2 x 100 mm, length: 205 mm	**SZK PZ2**	**1206463**	10			
Screwdriver, for Phillips Recess Phillips screws, VDE approval:						
Size: PH0 x 80 mm, length: 161 mm	**SZK PH0**	**1205147**	10			
Size: PH1 x 80 mm, length: 161 mm	**SZK PH1**	**1205150**	10			
Size: PH2 x 100 mm, length: 205 mm	**SZK PH2**	**1205163**	10			
Screwdriver, for test socket screws, with VDE approval						
For 2.3 mm Ø screw, blade: 0.6 x 3.5 x 100 mm, length: 198 mm				**SZG 0,6X3,5**	**1205121**	10
For 4 mm Ø screw, blade: 0.9 x 6.5 x 175 mm, length: 287 mm				**SZG 0,9X6,5**	**1205134**	10

Screwdriver

We have compiled attractive tool sets from the comprehensive range of professional screwdrivers.

Universal control cabinet key **USS 4** with the following locks: 6 mm square, 7-8 mm square, 7-8 mm triangle, 3-5 mm double.



SZ SORTI ...



USS 4

Ordering data

Description	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Screwdriver range, consisting of the small screwdrivers: 1205037, 1205040, 1205053, 1205121	**SZ SORTI 1**	**1202085**	1			
Screwdriver range, consisting of the three large screwdrivers: 1205066, 1205079, 1205134	**SZ SORTI 2**	**1202098**	1			
Control cabinet key, made of metal, for all common control cabinets				**USS 4**	**1203149**	1

Torque and torque battery-powered screwdriver

The extremely accurate torque and battery-powered screwdriver are optimally adapted to the screw terminal block products from Phoenix Contact. The battery-powered screwdriver has forward/reverse running and 21 torque stages of up to 4.4 Nm with drilling levels.



TSD-M ...



ASD 21 ...

Ordering data

Description	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Torque screw driver, accuracy as per standard EN ISO 6789						
Adjustable from 0.3 - 1.2 Nm	**TSD-M 1,2NM**	**1212224**	1			
Adjustable from 1.2 - 3 Nm	**TSD-M 3NM**	**1212225**	1			
Adjustable from 3 - 6 Nm	**TSD-M 6NM**	**1212226**	1			
Torque battery-powered screwdriver, adjustable from 0.3 - 4.4 Nm, accuracy +/- 5%, incl. power pack 1.2 Ah				**ASD 21**	**1208526**	1
Torque battery-powered screwdriver, adjustable from 0.3 - 4.4 Nm, accuracy +/- 5%, incl. rechargeable battery pack 1.2 Ah, charger, 230 V design, User Manual, bits, packed in aluminum case				**ASD 21 SET 230V**	**1208490**	1
Torque battery-powered screwdriver, adjustable from 0.3 - 4.4 Nm, accuracy +/- 5%, incl. rechargeable battery pack 1.2 Ah, charger, 120 V design, User Manual, bits, packed in aluminum case				**ASD 21 SET 120V**	**1208542**	1

Accessories

Spare rechargeable battery, for ASD 21, 1.2 Ah				**ASD 21 ACCU 1,2AH**	**1208500**	1
Charger, 230 V design				**ASD 21 CHARGER 230V**	**1208513**	1
120 V design				**ASD 21 CHARGER 120V**	**1208555**	1
Tool bits, for slotted-head screws						
Blade: 0.5 x 3.0 mm, length: 50 mm, tough but flexible	**ASD BIT 0,5X3,0X 50**	**1203961**	5	**ASD BIT 0,5X3,0X 50**	**1203961**	5
Blade: 0.6 x 3.5 mm, length: 50 mm, tough but flexible	**ASD BIT 0,6X3,5X 50**	**1203974**	5	**ASD BIT 0,6X3,5X 50**	**1203974**	5
Blade: 0.6 x 3.5 mm, length: 70 mm, tough but flexible	**ASD BIT 0,6X3,5X 70**	**1203987**	5	**ASD BIT 0,6X3,5X 70**	**1203987**	5
Blade: 0.8 x 4.0 mm, length: 50 mm, tough but flexible	**ASD BIT 0,8X4,0X 50**	**1203990**	5	**ASD BIT 0,8X4,0X 50**	**1203990**	5
Blade: 1.0 x 5.5 mm, length: 50 mm, tough but flexible	**ASD BIT 1,0X5,5X 50**	**1204009**	5	**ASD BIT 1,0X5,5X 50**	**1204009**	5
Tool inserts, for Phillips Recess Phillips screws						
Length: 50 mm, PH 1	**ASD BIT KS1X50**	**1203945**	5	**ASD BIT KS1X50**	**1203945**	5
Length: 50 mm, PH 2	**ASD BIT KS2X50**	**1203958**	5	**ASD BIT KS2X50**	**1203958**	5
Length: 50 mm, PH 3	**ASD BIT KS2X90**	**1205435**	5	**ASD BIT KS2X90**	**1205435**	5
Tool inserts, for test socket screws with 2.3 mm Ø						
Blade: 0.6 x 3.5 mm, length: 50 mm, tough but flexible	**ASD BIT 0,6X3,5X 50/SG**	**1204151**	5	**ASD BIT 0,6X3,5X 50/SG**	**1204151**	5
Tool inserts, for test socket screws with 4 mm Ø						
Blade: 0.9 x 6.5 mm, length: 50 mm, tough but flexible	**ASD BIT 0,9X6,5X 50/G**	**1204148**	5	**ASD BIT 0,9X6,5X 50/G**	**1204148**	5

Tool sets

We have compiled a few attractive tool sets for you from the comprehensive range of professional tools. You can find the special sets in the individual tool pages as well, e.g. screwdrivers, refer to page 645.



TOOL DATA SET



TOOL SET ALLROUND 2

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
Stripping, crimping and cutting set, consisting of: Cable cutter for copper and aluminum up to 12 mm Ø, stripping tool for stripping multicore signal, control and glass fiber wires of Ø 2.5 - 11 mm, insulation thickness up to 1 mm, basic pliers for accommodating dies for different contact types, die, for CRIMPFOX-M, for unshielded RJ45 connectors	**TOOL DATA SET**	**1208856**	1
Cutting, stripping, and crimping set, consisting of: Cable cutter for copper and aluminum up to 12 mm Ø, stripping tool for wires and conductors of 0.02 - 10 mm², self-aligned, stripping length up to 18 mm, cutting capacity up to 10 mm² stranded/1.5 mm² solid, crimping pliers for ferrules, 0.75 - 10 mm²	**TOOL SET ALLROUND 2**	**1208843**	1

Tool set with ferrules

For color designation of ferrules, see page 728.



TOOL-SET ALLROUND 3

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
Stripping, crimping and screwing set, consisting of: Screwdriver for slotted-head screws, stripping tool for wires and conductors of 0.02 - 10 mm², self-aligned, stripping length up to 18 mm, cutting capacity up to 10 mm² stranded/1.5 mm² solid, crimping pliers for ferrules in accordance with DIN 46228, Part 1+4, 0.5 - 6 mm², front insertion, square crimp Ferrules, 50 pieces each: AI 0,5-8 WH, AI 2,5-8 BU Ferrules, 100 pieces each: AI 0,75-8GY, AI 1,5-8 BK	**TOOL-SET ALLROUND 3**	**1208953**	1

Voltage tester



The PROFIPOL voltage tester has the following features:
– DC and AC voltage tests in the range between 6 V and 400 V
– Polarity test (+/-) for DC voltage
– Shock-proof housing that is protected against dust and splash water, IP65
– LED display



PROFIPOL

General data		
Voltage range	[V DC]	6 ... 400
Voltage range	[V AC]	6 ... 400

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Voltage tester	Black	**PROFIPOL**	**1209101**	1

Voltage and continuity tester

The DUSPOL EXPERT voltage and continuity tester has the following features:
– DC and AC voltage tests in the range of 12 V to 690 V AC / 750 V DC, fully functional even without batteries
– Polarity test (+/-) for DC voltage
– Single-pos. test of the phase conductor (phase): "R" symbol in the display field for AC voltage
– Indicator for rotary field direction of a three-phase network as long as the star point is grounded
– Measuring point lighting
– Acoustic and optical continuity test
– Load connection using a pushbutton
– Vibration alarm for safe voltage detection
– Shock-proof housing that is protected against dust and splash water, IP64
– Surge protection category CAT IV 500 V as per IEC/EN 61243-3



DUSPOL EXPERT

General data		
Voltage range	[V DC]	12 ... 750
Voltage range	[V AC]	12 ... 690

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Voltage tester	Black	**DUSPOL EXPERT**	**1209091**	1

Digital current probe multimeter

The TESTFOX CC can be used in the case of voltages of up to 600 V, category III. They combine the functions of a digital multimeter with those of current pliers in a compact and practical housing, thus making it ideal for limited spaces. All measuring ranges are overload-protected.



TESTFOX CC



TESTFOX CC-1

General data		
Display scope	2000 digits	4000 digits
Accuracy of display	1.0%	0.5%
AC voltage measuring range	0.1 V - 600 V	0.1 mV - 600 V
DC voltage measuring range	0.1 V - 600 V	0.1 mV - 600 V
AC current measuring range	0.1 A - 400 A	10 mA - 300 A
DC current measuring range	-	10 mA - 300 A
Resistance measuring range	0.1 Ω - 20 MΩ	0.1 Ω - 40 MΩ
Continuity test range	Acoustic (20 Ω)	Acoustic (50 Ω)
Degree of protection	IP30	IP30
Measuring category	CAT III 600 V	CAT III 300 V / CAT II 600 V
Voltage supply	2 x micro battery 1.5 V, LR03, AAA	2 x micro battery 1.5 V, LR03, AAA
Test certificate	IEC/EN 61010-1, DIN VDE0411	IEC/EN 61010-1, DIN VDE0411

Ordering data

Description	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Current pliers/multimeter	**TESTFOX CC**	**1212210**	1			
Current pliers/multimeter				**TESTFOX CC-1**	**1212211**	1

Digital multimeter





TESTFOX M

The digital multimeter TESTFOX M and TESTFOX M-1 with volt sensor function are impressive due to their technology and their quality. The devices can be used in a variety of applications and can be tested and approved as per the internationally applicable standards IEC/EN 61010 irrespective of the certifying body.

The devices are suitable for DC voltage, resistance measurement and feed-through and diode test. TESTFOX M-1 also enables measurement of direct and alternating currents, capacities and frequencies as well as temperatures in the range of -20°C to +800°C.

High-level safety

Phase voltages can be accurately detected via the acoustic and red signal.
The devices can be used in the case of voltages of up to 600 V category III or 1000 V category II. It thus provides increased protection and allows maximum working safety to professional service engineers and operation engineers.

Safe cable breakage detection

Cable breakages and defective lamps in open lines can be traced from the supply phase to the interruption point.

General data	
Display scope	2000 digits
Accuracy of display	0.5%
Volt sensor	yes
AC voltage measuring range	0.1 mV - 750 V
DC voltage measuring range	0.1 mV - 1000 V
AC current measuring range	-
DC current measuring range	-
Resistance measuring range	0.1 Ω - 20 MΩ
Continuity test range	yes (25 Ω)
Frequency measuring range	0.1 mV - 750 V
Capacity measuring range	-
Temperature measuring range	-
Diode test	yes (1.5 mA)
Degree of protection	IP30
Measuring category	CAT III 600 V / CAT II 1000 V
Voltage supply	2 x micro battery 1.5 V, LR03, AAA
Test certificate	IEC/EN 61010-1, DIN VDE0411

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
Digital multimeter	**TESTFOX M**	**1212208**	1
Digital multimeter			



TESTFOX M-1

2000 digits
0.5%
yes
0.1 mV - 750 V
0.1 mV - 1000 V
1 mA - 10 A
1 mA - 10 A
0.1 Ω - 20 MΩ
yes (25 Ω)
0.1 mV - 750 V
1.00 pF - 2.00 mF
-20°C - 800°C
yes (1.5 mA)
IP30
CAT III 600 V / CAT II 1000 V
2 x micro battery 1.5 V, LR03, AAA
IEC/EN 61010-1, DIN VDE0411

Type	Order No.	Pcs. / Pkt.
TESTFOX M-1	**1212209**	1

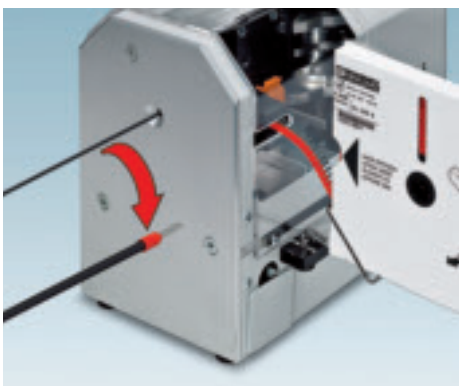




Automatic stripping off



Automatic crimping



Automatic stripping off and crimping in one operation



The CUTFOX 10 cutting machine cuts conductors and wires of up to 10 mm². Solid and stranded conductors are cut with millimeter precision. The length and the number of sections are entered via the user-friendly display. When the material is changed, the CUTFOX 10 automatically adjusts to the diameter.



The WF 1000 stripping machine allows automatic stripping with the option of partially stripping the insulation of conductors of up to 6 mm² or wires of up to 6 mm Ø.

Knobs are used to set the stripping dimensions individually and the setting is shown on the display.



The ZAP crimping pliers are pneumatic tools for ferrules with a cross-section range of 0.25 to 10 mm². The crimping process is triggered using a foot valve. Two integrated receptacles serve for quick access to the ferrules.



The CF 500 is characterized by a high press capacity in a compact design.

Thanks to the adjustable press capacity and the replaceable die, it is suitable for insulated cable lugs, conduit lugs and cable terminal lugs, slip-on sleeves and ferrules of up to 50 mm².



The CF 1000 stripping and crimping machine processes loose ferrules with insulating collars as per DIN 46228-4. With this machine, conductors can be stripped and provided with ferrules in one operation.



The CF 3000-2,5 stripping and crimping machine processes taped ferrules with insulating collars as per DIN 46228-4. This device can strip off conductors in the cross-section range of 0.25 - 2.5 mm² provide them with ferrules in one operation. The automatic device can be adapted to different cross-sections within a minute.

Cutting device for conductors and cables





CUTFOX 10 ...

The CUTFOX 10 cutting machine cuts conductors, cables and similar profiles. The desired length and quantity is entered via the display on CUTFOX 10 in a user-friendly manner.

The front cover only need to be swung open to introduce the conductor. The drive and guide rolls are automatically set to the relevant defined diameter. Due to the automatic "zero cut" when the start button is pressed, setting work is not required.

Dimensions		Width	Length	Height
	[mm]	**195**	**295**	**230**
General data				
Weight	[kg]	11		
Power consumption	[VA]	80		
Cutting efficiency				
Finely stranded	[mm²]	0.25 - 10		
Solid strand	[mm²]	0.25 - 2.5		
Max. throughput	[mm]	8		
Cross-section setting		automatic		
Maximum number of cuts	[Pcs.]	99999		
Length	[mm]	2 ... 99999		
Feed rate	[m/s]	0.5		
Unit of measurement		mm/inch		
Dialog language		German / English / French / Italian		

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
Automatic cutting machine, 230 V / 50 Hz design, for conductors and cables of up to 8 mm Ø, solid (up to 2.5 mm²) and stranded (up to 10 mm²)	**CUTFOX 10**	**1206829**	1
Automatic cutting machine, 120 V / 60 Hz design, for conductors and cables of up to 8 mm Ø, solid (up to 2.5 mm²) and stranded (up to 10 mm²)	**CUTFOX 10 120V**	**1206832**	1

Accessories

Cable unwinders, for CUTFOX 10, for the accommodation and spring-mounted unwinding of cable rings and cable coils	**CUTFOX 10 C-UN**	**1208393**	1
Turntable, for CUTFOX 10 cable unwinders, for accommodating cable rings and cable coils Turntable, to accommodate coils	**CUTFOX 10 R-C**	**1208403**	1
Holding arm, for CUTFOX 10 turntable 4 arms for turntable	**CUTFOX 10 BAR**	**1208416**	1
Spare drive belt, two pieces, for CUTFOX 10	**CF-10 WHEEL SET**	**1207271**	1
Spare knife set, for CUTFOX 10	**CF-10 CUTTER KNIFE SET**	**1207284**	1



Automatic stripping machine



The compact stripping machine WF 1000 enables automatic stripping with the option of partial stripping of conductors from 0.08 to 6 mm² or conductors (multi-strand) of up to 6 mm Ø. Even special isolation such as PTFE and silicone can also be stripped in addition to standard isolations. The clamping force is automatically set to the required withdrawal force. Pressure points at sensitive isolations are thus prevented. The stripping dimensions are individually set via rotary buttons and are displayed on the display.



WF 1000 ...

Dimensions		Width	Length	Height
	[mm]	**141**	**363**	**221**
General data				
Weight	[kg]	9.5		
Power consumption	[VA]	160		
Working cycle	[s]	0.3		
Compression		Trapezoidal		
Stripping power				
Finely stranded	[mm²]	0.08 - 6		
Stripping length	[mm]	3-20		
Partial stripping length	[mm]	2-20		
Max. throughput	[mm]	6		

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
Stripping machine, 230 V design, for conductors and lines, solid and stranded 0.08-6 mm² (max. Ø 6 mm), with integrated graphic display	**WF 1000**	**1212149**	1
Stripping machine, 120 V design, for conductors and lines, solid and stranded 0.08-6 mm² (max. Ø 6 mm), with integrated graphic display	**WF 1000 120V**	**1212258**	1

Accessories

Spare stripping knife, for WF 1000	**WF 1000/SB**	**1212279**	1

Pneumatic crimping pliers

The ZAP crimping pliers are pneumatic pliers for ferrules with a cross-section of 0.25 to 10 mm².

The ZAP 25 has a Duo-Press die, allowing both front and lateral cable insertion.





		ZAP 25	ZAP 100
Application range			
Conductor	[mm²] / AWG	0.25 - 2.5 / 24 - 14	4 - 10 / 12 - 8
Pressure range	[bar]	4 - 6	4 - 6
Air consumption per compression	[l]	0.2	0.2
Compression		Trapezoidal	Trapezoidal

Ordering data

Description	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Pneumatic crimp pliers, for ferrules as per DIN 46228						
	ZAP 25	**1203110**	1	**ZAP 100**	**1203259**	1

Pneumatic crimping pliers as table-top version

The ZAP 25 T and ZAP 100 T have been developed especially for preparing conductors. The crimping process is triggered by a foot-actuated valve. Two integrated recesses allow easy access to the ferrules.





		ZAP 25 T	ZAP 100 T
Application range			
Conductor	[mm²] / AWG	0.25 - 2.5 / 24 - 14	4 - 10 / 12 - 8
Pressure range	[bar]	4 - 6	4 - 6
Air consumption per compression	[l]	0.2	0.2
Compression		Trapezoidal	Trapezoidal

Ordering data

Description	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Pneumatic crimp pliers, for ferrules as per DIN 46228						
	ZAP 25 T	**1203123**	1	**ZAP 100 T**	**1203262**	1

Portable crimping device for ferrules, cable lugs and connectors



For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

See data sheet for further technical data.



CF 500 ...

The CF 500 is characterized by a high press capacity in a compact design.

The compact crimping machine CF 500 is impressive due to its high press capacity and the easy replaceability of its dies. The automatic device is an all-rounder due to its large number of dies.

– Ferrules of up to 50 mm²
– TWIN ferrules of up to 2 x 10 mm²
– Insulated cable lugs of up to 6 mm²
– Non-isolated cable lugs of up to 6 mm²
– Tube lugs of up to 10 mm²
– Slip-on sleeves and flat connectors of up to 6 mm²
– Turned contacts of up to 10 mm²

More dies are available on request or in the Phoenix Contact E-Shop: **www.phoenixcontact.net/eshop.**

Dimensions		Width	Length	Height
	[mm]	**140**	**220**	**320**
General data				
Weight	[kg]	10		
Power supply	[V]	100 ... 240		
Power consumption	[VA]	160		
Pressure	[kN]	10		
Working cycle	[s]	1		

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
Crimping machine, 230 V design, for different contact types, ferrules, insulated and non-insulated cable lugs, flat connectors and sleeves, turned contacts, simple replacement of dies, with foot switch	**CF 500-230V**	**1208348**	1
Crimping machine, 120 V design, for different contact types, ferrules, insulated and non-insulated cable lugs, flat connectors and sleeves, turned contacts, simple replacement of dies, with foot switch	**CF 500-120V**	**1208351**	1

Accessories

CF 500 die, for ferrules (A... and AI...) 0,25-6 mm²	**CF 500/DIE AI 6**	**1212238**	1
For ferrules (A... and AI...)10, 16 and 25 mm²	**CF 500/DIE AI 25**	**1212239**	1
For ferrules (A... and AI...)35 and 50 mm²	**CF 500/DIE AI 50**	**1212261**	1
For TWIN ferrules (AI-TWIN...) 2 x 4, 2 x 6 and 2 x 10 mm²	**CF 500/DIE AI-TWIN 10**	**1212262**	1
For insulated cable lugs (RCI... and FCI...) 0.14 - 1 mm²	**CF 500/DIE RCI 1,5**	**1212263**	1
For insulated cable lugs (RCI... and FCI...) 0.5 - 6 mm²	**CF 500/DIE RCI 6**	**1212240**	1
For cable lugs (RC... and FC...) 0.5 - 10 mm²	**CF 500/DIE RC 10**	**1212244**	1
For cable lugs (RC... and FC...) 16 mm²	**CF 500/DIE RC 16**	**1212257**	1
For slip-on sleeves and flat connectors (SCF... and SCM...) 0.1 - 1.5 mm²	**CF 500/DIE SC 1,5**	**1212241**	1
For slip-on sleeves and flat connectors (SCF... and SCM...) 0.5 - 6 mm²	**CF 500/DIE SC 6**	**1212242**	1
For turned contacts with pin diameters 2.5 and 4.0 mm (CK 2,5, CK 4,0) 0.14 - 4 mm²	**CF 500/DIE TC 4**	**1212237**	1
For turned contacts (CK 4.0) 6 - 10 mm²	**CF 500/DIE TC 10**	**1212260**	1
CF 500 protective cover, without recess (for all dies without assignment)	**CF 500/COV**	**1212250**	1
For ferrules of up to 6 mm² (AI 6...)	**CF 500/COV AI 6**	**1212254**	1
For TWIN ferrules (AITWIN...)	**CF 500/COV AI TWIN**	**1212266**	1
For insulated cable lugs (RCI...)	**CF 500/COV RCI**	**1212255**	1
For tube lugs 0.5 - 10 mm²	**CF 500/COV RC 10**	**1212252**	1
For tube lugs 0.34 - 2.5 mm²	**CF 500/COV RCT 2,5**	**1212253**	1
For slip-on sleeves and flat connectors SC 1,5... and SC 6...	**CF 500/COV SC**	**1212251**	1
CF 500 locator, for slip-on sleeves (SCF...), width: 2.8 mm, length: 5 mm	**CF 500/LOC SCF 2,8/1,5**	**1212249**	1
For slip-on sleeves (SCF...), width: 4.8 mm	**CF 500/LOC SCF 4,8/2,5**	**1212248**	1
For slip-on sleeves (SCF...), width: 6.3 mm	**CF 500/LOC SCF 6,3/6**	**1212247**	1
For slip-on sleeves (SCM...), 0.5 - 2.5 mm²	**CF 500/LOC SCM 6,3/2,5**	**1212264**	1

Automatic stripping and crimping device CF 1000





CF 1000-1,5 ...

The stripping and crimping machine CF 1000 processes loose ferrules with insulating collars as per DIN 46228-4. This automatic device can process up to 1200 conductors per hour. In one work step, the conductor is stripped and quality-crimped with a ferrule. The pull-out forces correspond to the requirements of IEC/EN 60999 and IEC/EN 60947.

The automatic device features are:

– Rugged structure
– Processing of loose ferrules (AI...)
– Fast cross-section change without additional setting measures
– Quantity counter
– Suitable for mass processing

Dimensions		Width	Length	Height
	[mm]	**240**	**490**	**390**
General data				
Weight	[kg]	29		
Air consumption per compression	[l]	1.2		
Working cycle	[s]	1.5		
Compression		Trapezoidal		

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
Stripping and crimping machine, 230 V design, electro-pneumatic, for loose ferrules with insulating collars, 0.34 - 4 mm², incl. modification sets 0.5 - 1.5 mm² (stripping length 8 mm)	**CF 1000-1,5 230V**	**1208199**	1
Stripping and crimping machine, 120 V design, electro-pneumatic, for loose ferrules with insulating collars, 0.34 - 4 mm², incl. modification sets 0.5 - 1.5 mm² (stripping length 8 mm)	**CF 1000-1,5 120V**	**1208209**	1

Accessories

Expansion set, complete, for CF 1000, for loose ferrules with insulating collar, 0.25/0.34 mm², stripping length 6 mm	**CF 1000-TOOLKIT 0,34/ 6**	**1208212**	1
0.25/0.34 mm², stripping length 8 mm	**CF 1000-TOOLKIT 0,34/ 8**	**1208225**	1
2.5 mm², stripping length 8 mm	**CF 1000-TOOLKIT 2,5/ 8**	**1208241**	1
4 mm², stripping length 10 mm	**CF 1000-TOOLKIT 4,0/10**	**1208270**	1
Spare knife, V-form, for CF 1000	**CF-EM**	**1205215**	1



Portable automatic stripping and crimping device for taped products





CF 3000-2,5 ...

The compact stripping and crimping machine CF 3000-2,5 processes taped ferrules with insulating collars as per DIN 46228-4. This automatic device can process up to 1200 conductors per hour. In one work step, the conductor is stripped and quality-crimped with a ferrule. The CF 3000-2,5 is suitable for conductor pre-assembly. Thanks to its compact and light design, it can be easily used at different workstations. Modifying automatic devices to different cross-sections is possible within a minute. The clear allocation of conversion components is ensured due to the colored marking as per the ferrules standard DIN 46228-4.

The application video can be downloaded from the EShop menu on the Internet: www.phoenixcontact.de/download

The suitable taped ferrules support the use of all modular terminal blocks, especially from the **CLIPLINE complete system**:

– UT screw terminal blocks
– ST spring-cage terminal blocks
– PIT push-in connection terminal blocks
– COMBI pluggable connection solutions

Taped ferrules, see page 660.

Dimensions		Width	Length	Height
	[mm]	**165**	**320**	**300**
General data				
Weight	[kg]	12		
Application range				
Conductor	[mm²] / AWG	0.5 - 2.5 / 20 - 14		
Power consumption	[VA]	80		
Working cycle	[s]	1.2		
Compression		Trapezoidal		

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
Stripping and crimping machine, 230 V design, for isolated taped ferrules 0.25 - 2.5 mm², stripping length 8 mm, incl. the modification sets 0.5 - 2.5 mm²	**CF 3000-2,5**	**1205477**	1
Stripping and crimping machine, 120 V design, for isolated taped ferrules 0.25 - 2.5 mm², stripping length 8 mm, incl. the modification sets 0.5 - 2.5 mm²	**CF 3000-2,5 120V**	**1205516**	1

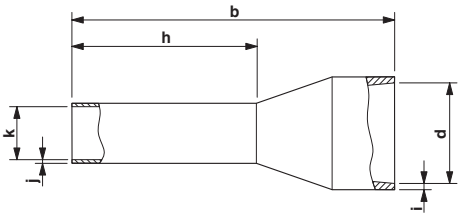
Accessories

Expansion set, complete, for CF 3000, for taped insulated ferrules, 0.25/0.34 mm², stripping length 8 mm	**CF 3000-TOOLKIT 0,25**	**1212376**	1
Spare locator,			
0.25 mm²	**CF 3000 LOC 0,25**	**1212377**	1
0.5 mm²	**CF 3000 LOC 0,5**	**1205639**	1
0.75 mm²	**CF 3000 LOC 0,75**	**1205642**	1
1.0 mm²	**CF 3000 LOC 1,0**	**1205655**	1
1.5 mm²	**CF 3000 LOC 1,5**	**1205668**	1
2.5 mm²	**CF 3000 LOC 2,5**	**1205671**	1
Spare knife, 0.25 mm², adjustable			
0.25 mm², adjustable	**CF 3000 AB 0,25**	**1212380**	1
0.5 mm²	**CF 3000 AM 0,5**	**1205587**	1
0.75 mm²	**CF 3000 AM 0,75**	**1205590**	1
1.0 mm²	**CF 3000 AM 1,0**	**1205600**	1
1.5 mm²	**CF 3000 AM 1,5**	**1205613**	1
2.5 mm²	**CF 3000 AM 2,5**	**1205626**	1



Ferrules with plastic sleeves in the form of taped articles for the crimping machine CF 3000-2,5

The taped ferrules have been developed specifically for the crimping machine CF 3000-2,5. They are available in the most important color series up to 2.5 mm². All modular terminal blocks, especially those of the CLIPLINE complete system, can be wired using them.





AI ...-B

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

General data		
Material / coating		E-CU / tin-plated (galvanic)
Plastic sleeve material		Polypropylene
Long/short-term temperature		105°C / 120°C

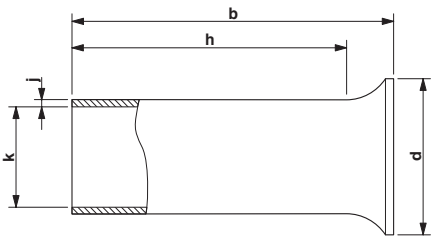
Ordering data

Description	Cross-section [mm²]	AWG	Color	Dimensions [mm] a	b	d	h	i	j	k	Type	Order No.	Pcs. Pkt.
Taped ferrule, with plastic sleeve, color range as per **DIN 46228-4: 1990-09,** CSA-certified													
	0.34	22	Yellow	-	14.00	2.20	8.00	0.25	0.15	0.80	**AI 0,25-8 YE-B**	**3240251**	1000
	0.5	20	White	-	14.00	2.50	8.00	0.25	0.15	1.10	**AI 0,5 - 8 WH-B**	**3201369**	1000
	0.75	18	Gray	-	14.00	2.80	8.00	0.25	0.15	1.30	**AI 0,75- 8 GY-B**	**3201372**	1000
	1	18	Red	-	14.00	3.00	8.00	0.30	0.15	1.50	**AI 1 - 8 RD-B**	**3201385**	1000
	1.5	16	Black	-	14.00	3.40	8.00	0.30	0.15	1.80	**AI 1,5 - 8 BK-B**	**3201398**	1000
	2.5	14	Blue	-	14.00	4.20	8.00	0.30	0.15	2.30	**AI 2,5 - 8 BU-B**	**3201408**	500
Taped ferrules, with plastic sleeve, color code as per NF C 63-023: 1994-02, CSA-certified													
	0.75	18	Blue	-	14.00	2.80	8.00	0.25	0.15	1.30	**AI 0,75- 8 BU-B**	**3201547**	1000
	2.5	14	Gray	-	14.00	4.20	8.00	0.30	0.15	2.30	**AI 2,5 - 8 GY-B**	**3201550**	500
Taped ferrules, with plastic sleeve, special colors, CSA-certified													
	0.34	22	Blue	-	14.00	2.20	8.00	0.25	0.15	0.80	**AI 0,25-8 BU-B**	**3240250**	1000
	0.34	22	Turquoise	-	14.00	2.20	8.00	0.25	0.15	0.80	**AI 0,34-8 TQ-B**	**3240249**	1000
	0.5	20	Orange	-	14.00	2.50	8.00	0.25	0.15	1.10	**AI 0,5 - 8 OG-B**	**3201563**	1000
	0.75	18	White	-	14.00	2.80	8.00	0.25	0.15	1.30	**AI 0,75- 8 WH-B**	**3201576**	1000
	1	18	Yellow	-	14.00	3.00	8.00	0.30	0.15	1.50	**AI 1 - 8 YE-B**	**3201589**	1000
	1.5	16	Red	-	14.00	3.40	8.00	0.30	0.15	1.80	**AI 1,5 - 8 RD-B**	**3201592**	1000

Ferrules without insulating collar, in acc. with DIN 46228-1

Ferrules without plastic insulating sleeves from Phoenix Contact are made of soft electrolytic copper with tin plating.

The dimensions of the ferrules correspond to DIN 46228-1.





A ...

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) These ferrules are not included in DIN 46228-4:1990-09.

General data

Material / coating: E-CU / tin-plated (galvanic)

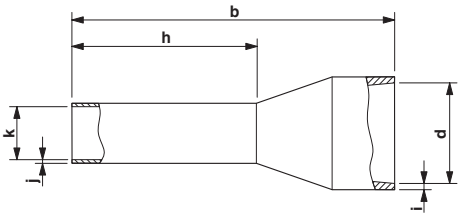
Ordering data

Description	Cross-section [mm²]	Cross-section AWG	Color	Dimensions [mm] a	b	d	h	i	j	k	Type	Order No.	Pcs. Pkt.
Ferrules, without plastic sleeves, CSA-certified													
	0.25[1])	24	Silver	-	5.00	1.70	-	-	0.15	0.80	**A 0,25- 5**	**3202465**	1000
	0.25[1])	24	Silver	-	7.00	1.70	-	-	0.15	0.80	**A 0,25- 7**	**3202478**	1000
	0.34[1])	22	Silver	-	7.00	1.80	-	-	0.15	0.90	**A 0,34- 7**	**3009202**	1000
	0.5	20	Silver	-	6.00	2.10	5.30	-	0.15	1.00	**A 0,5 - 6**	**3200218**	1000
	0.5[1])	20	Silver	-	8.00	2.10	7.30	-	0.15	1.00	**A 0,5 - 8**	**3202481**	1000
	0.5	20	Silver	-	10.00	2.10	9.30	-	0.15	1.00	**A 0,5 -10**	**3202494**	1000
	0.75	18	Silver	-	6.00	2.30	5.30	-	0.15	1.20	**A 0,75- 6**	**3200221**	1000
	0.75[1])	18	Silver	-	8.00	2.30	7.30	-	0.15	1.20	**A 0,75- 8**	**3202504**	1000
	0.75	18	Silver	-	10.00	2.30	9.30	-	0.15	1.20	**A 0,75-10**	**3200234**	1000
	1	18	Silver	-	6.00	2.50	5.30	-	0.15	1.40	**A 1 - 6**	**3200247**	1000
	1[1])	18	Silver	-	8.00	2.50	7.30	-	0.15	1.40	**A 1 - 8**	**3202517**	1000
	1	18	Silver	-	10.00	2.50	9.30	-	0.15	1.40	**A 1 -10**	**3200250**	1000
	1.5	16	Silver	-	7.00	2.80	6.00	-	0.15	1.70	**A 1,5 - 7**	**3200263**	1000
	1.5	16	Silver	-	10.00	2.80	9.00	-	0.15	1.80	**A 1,5 -10**	**3200276**	1000
	1.5	16	Silver	-	12.00	2.80	11.00	-	0.15	1.70	**A 1,5 -12**	**3202588**	1000
	1.5	16	Silver	-	15.00	2.80	14.00	-	0.15	1.70	**A 1,5 -15**	**3202591**	1000
	1.5	16	Silver	-	18.00	2.80	17.00	-	0.15	1.70	**A 1,5 -18**	**3202601**	1000
	2.5	14	Silver	-	7.00	3.40	6.00	-	0.15	2.20	**A 2,5 - 7**	**3200289**	1000
	2.5	14	Silver	-	12.00	3.40	11.00	-	0.15	2.20	**A 2,5 -12**	**3200292**	1000
	2.5	14	Silver	-	18.00	3.40	17.00	-	0.15	2.20	**A 2,5 -18**	**3202821**	1000
	4	12	Silver	-	9.00	4.00	8.00	-	0.20	2.80	**A 4 - 9**	**3200302**	1000
	4	12	Silver	-	12.00	4.00	11.00	-	0.20	2.80	**A 4 -12**	**3200315**	1000
	4	12	Silver	-	18.00	4.00	17.00	-	0.20	2.80	**A 4 -18**	**3202834**	1000
	6	10	Silver	-	10.00	4.70	9.00	-	0.20	3.50	**A 6 -10**	**3202520**	500
	6	10	Silver	-	12.00	4.70	11.00	-	0.20	3.50	**A 6 -12**	**3200328**	500
	10	8	Silver	-	12.00	5.80	10.80	-	0.20	4.50	**A 10 -12**	**3200331**	500
	10	8	Silver	-	18.00	5.80	16.80	-	0.20	4.50	**A 10 -18**	**3200344**	500
	16	6	Silver	-	12.00	7.50	10.50	-	0.20	5.80	**A 16 -12**	**3200425**	100
	25[1])	4	Silver	-	12.00	9.50	10.00	-	0.20	7.30	**A 25 -12**	**3200357**	100
	25	4	Silver	-	15.00	9.50	13.00	-	0.20	7.30	**A 25 -15**	**3200360**	100
	25	4	Silver	-	18.00	9.50	16.00	-	0.20	7.30	**A 25 -18**	**3200373**	100
	25[1])	4	Silver	-	20.00	9.50	18.00	-	0.20	7.30	**A 25 -20**	**3200386**	100
	35	2	Silver	-	18.00	11.00	16.00	-	0.20	8.30	**A 35 -18**	**3200399**	100
	35[1])	2	Silver	-	20.00	11.00	18.00	-	0.20	8.30	**A 35 -20**	**3200409**	100

Ferrules with insulating collar, in acc. with DIN 46228-4

Ferrules with plastic insulating sleeves from Phoenix Contact are made of soft electrolytic copper with tin plating.

The reliability of the insulation is increased the closer the connections are to one another, and the splicing of wires is prevented.





AI ...

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) These ferrules are not included in DIN 46228-4:1990-09.

General data		
Material / coating		E-CU / tin-plated (galvanic)
Plastic sleeve material		Polypropylene
Long/short-term temperature		105°C / 120°C

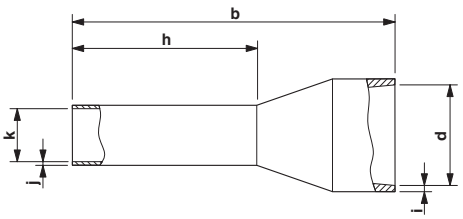
Ordering data

Description	Cross-section [mm²]	Cross-section AWG	Color	Dimensions [mm] a	b	d	h	i	j	k	Type	Order No.	Pcs. Pkt.
Ferrules, with plastic sleeve, color range as per **DIN 46228-4: 1990-09,** CSA-certified													
	0.25[1])	24	Yellow	-	10.50	2.00	6.00	0.25	0.15	0.80	**AI 0,25- 6 YE**	**3203024**	100
	0.25[1])	24	Yellow	-	12.50	2.00	8.00	0.25	0.15	0.80	**AI 0,25- 8 YE**	**3203037**	100
	0.5	20	White	-	12.00	2.50	6.00	0.25	0.15	1.10	**AI 0,5 - 6 WH**	**3200687**	100
	0.5	20	White	-	14.00	2.50	8.00	0.25	0.15	1.10	**AI 0,5 - 8 WH**	**3200014**	100
	0.5	20	White	-	14.00	2.50	8.00	0.25	0.15	1.10	**AI 0,5 - 8 WH -1000**	**3200881**	1000
	0.5	20	White	-	16.00	2.50	10.00	0.25	0.15	1.10	**AI 0,5 -10 WH**	**3201275**	100
	0.5[1])	20	White	-	18.00	2.50	12.00	0.25	0.15	1.10	**AI 0,5 -12 WH**	**3200506**	100
	0.75	18	Gray	-	12.00	2.80	6.00	0.25	0.15	1.30	**AI 0,75- 6 GY**	**3200690**	100
	0.75	18	Gray	-	14.00	2.80	8.00	0.25	0.15	1.30	**AI 0,75- 8 GY**	**3200519**	100
	0.75	18	Gray	-	14.00	2.80	8.00	0.25	0.15	1.30	**AI 0,75- 8 GY -1000**	**3200894**	1000
	0.75	18	Gray	-	16.00	2.80	10.00	0.25	0.15	1.30	**AI 0,75-10 GY**	**3201288**	100
	0.75	18	Gray	-	18.00	2.80	12.00	0.25	0.15	1.30	**AI 0,75-12 GY**	**3200849**	100
	1	18	Red	-	12.00	3.00	6.00	0.30	0.15	1.50	**AI 1 - 6 RD**	**3200742**	100
	1	18	Red	-	14.00	3.00	8.00	0.30	0.15	1.50	**AI 1 - 8 RD**	**3200030**	100
	1	18	Red	-	14.00	3.00	8.00	0.30	0.15	1.50	**AI 1 - 8 RD -1000**	**3200904**	1000
	1	18	Red	-	16.00	3.00	10.00	0.30	0.15	1.50	**AI 1 -10 RD**	**3200182**	100
	1	18	Red	-	18.00	3.00	12.00	0.30	0.15	1.50	**AI 1 -12 RD**	**3200674**	100
	1.5[1])	16	Black	-	12.00	3.40	6.00	0.30	0.15	1.80	**AI 1,5 - 6 BK**	**3200755**	100
	1.5	16	Black	-	14.00	3.40	8.00	0.30	0.15	1.80	**AI 1,5 - 8 BK**	**3200043**	100
	1.5	16	Black	-	14.00	3.40	8.00	0.30	0.15	1.80	**AI 1,5 - 8 BK -1000**	**3200917**	1000
	1.5	16	Black	-	18.00	3.40	10.00	0.30	0.15	1.80	**AI 1,5 -10 BK**	**3200195**	100
	1.5	16	Black	-	18.50	3.40	12.00	0.30	0.15	1.80	**AI 1,5 -12 BK**	**3201482**	100
	1.5	16	Black	-	24.00	3.40	18.00	0.30	0.15	1.80	**AI 1,5 -18 BK**	**3200056**	100
	2.5	14	Blue	-	14.00	4.20	8.00	0.30	0.15	2.30	**AI 2,5 - 8 BU**	**3200522**	100
	2.5	14	Blue	-	14.00	4.20	8.00	0.30	0.15	2.30	**AI 2,5 - 8 BU -1000**	**3200920**	1000
	2.5[1])	14	Blue	-	17.00	4.20	10.00	0.30	0.15	2.30	**AI 2,5 -10 BU**	**3202533**	100
	2.5	14	Blue	-	18.00	4.20	12.00	0.30	0.15	2.30	**AI 2,5 -12 BU**	**3200962**	100
	2.5	14	Blue	-	24.00	4.20	18.00	0.30	0.15	2.30	**AI 2,5 -18 BU**	**3200580**	100
	4	12	Gray	-	17.00	4.80	10.00	0.30	0.20	2.80	**AI 4 -10 GY**	**3200535**	100
	4	12	Gray	-	19.00	4.80	12.00	0.30	0.20	2.80	**AI 4 -12 GY**	**3200959**	100
	4	12	Gray	-	26.00	4.80	18.00	0.30	0.20	2.80	**AI 4 -18 GY**	**3200593**	100
	6	10	Yellow	-	20.00	6.20	12.00	0.30	0.20	3.50	**AI 6 -12 YE**	**3200548**	100
	6	10	Yellow	-	26.00	6.20	18.00	0.30	0.20	3.50	**AI 6 -18 YE**	**3200603**	100
	10	8	Red	-	22.00	7.50	12.00	0.30	0.20	4.60	**AI 10 -12 RD**	**3200551**	100
	10	8	Red	-	28.00	7.50	18.00	0.30	0.20	4.60	**AI 10 -18 RD**	**3200616**	100
	16	6	Blue	-	24.00	8.80	12.00	0.40	0.20	5.80	**AI 16 -12 BU**	**3200564**	100
	16	6	Blue	-	28.00	8.80	18.00	0.40	0.20	5.80	**AI 16 -18 BU**	**3200629**	100
	25	4	Yellow	-	30.00	11.00	16.00	0.50	0.20	7.30	**AI 25 -16 YE**	**3200577**	50
	25	4	Yellow	-	32.00	11.00	18.00	0.50	0.20	7.30	**AI 25 -18 YE**	**3201505**	50
	25	4	Yellow	-	35.00	11.00	22.00	0.50	0.20	7.30	**AI 25 -22 YE**	**3200700**	50
	35	2	Red	-	30.00	12.50	16.00	0.50	0.20	8.30	**AI 35 -16 RD**	**3200441**	50
	35	2	Red	-	32.00	12.50	18.00	0.50	0.20	8.30	**AI 35 -18 RD**	**3201495**	50
	35	2	Red	-	39.00	12.50	25.00	0.50	0.20	8.30	**AI 35 -25 RD**	**3200713**	50
	50	1/0	Blue	-	36.00	15.00	20.00	0.60	0.35	10.30	**AI 50 -20 BU**	**3200454**	50
	50	1/0	Blue	-	40.00	15.00	25.00	0.60	0.35	10.30	**AI 50 -25 BU**	**3200726**	25
	70[1])	2	Yellow	-	37.00	16.00	20.00	0.60	0.35	12.70	**AI 70 -20 YE**	**3201848**	25
	95[1])	4	Red	-	44.00	18.00	25.00	0.60	0.35	14.70	**AI 95 -25 RD**	**3201853**	25
	120[1])	5	Blue	-	48.00	21.00	27.00	0.70	0.45	16.70	**AI120 -27 BU**	**3201822**	25

Ferrules with insulating collars in special colors

These ferrules from Phoenix Contact correspond to the dimensions of DIN 46228-4: 1990-09.

The metal insulating sleeves consist of soft electrolytic copper with tin plating.





AI ...

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) These ferrules are not included in DIN 46228-4:1990-09.

General data	
Material / coating	E-CU / tin-plated (galvanic)
Plastic sleeve material	Polypropylene
Long/short-term temperature	105°C / 120°C

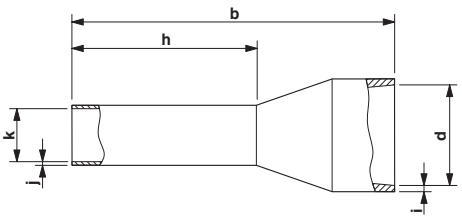
Ordering data

Description	Cross-section [mm²]	AWG	Color	Dimensions [mm] a	b	d	h	i	j	k	Type	Order No.	Pcs. Pkt.
Ferrules, with plastic sleeve, special colors, CSA-certified													
	0.25[1])	24	Blue	-	10.50	2.00	6.00	0.25	0.15	0.80	**AI 0,25- 6 BU**	**3203040**	100
	0.25[1])	24	Blue	-	16.50	2.00	12.00	0.25	0.25	0.80	**AI 0,25-12 BU**	**3200632**	100
	0.34[1])	22	Turquoise	-	10.50	2.00	6.00	0.30	0.15	0.80	**AI 0,34- 6 TQ**	**3203053**	100
	0.34[1])	22	Turquoise	-	12.50	2.00	8.00	0.30	0.15	0.80	**AI 0,34- 8 TQ**	**3203066**	100
	0.34[1])	22	Turquoise	-	16.50	2.00	12.00	0.30	0.20	0.80	**AI 0,34-12 TQ**	**3200645**	100
	0.5	20	Orange	-	12.00	2.50	6.00	0.25	0.15	1.10	**AI 0,5 - 6 OG**	**3201301**	100
	0.5	20	Orange	-	14.00	2.50	8.00	0.25	0.15	1.10	**AI 0,5 - 8 OG**	**3201123**	100
	0.75	18	White	-	12.00	2.80	6.00	0.25	0.15	1.30	**AI 0,75- 6 WH**	**3201314**	100
	0.75	18	White	-	14.00	2.80	8.00	0.25	0.15	1.30	**AI 0,75- 8 WH**	**3201110**	100
	1	18	Yellow	-	12.00	3.00	6.00	0.30	0.15	1.50	**AI 1 - 6 YE**	**3201327**	100
	1	18	Yellow	-	14.00	3.00	8.00	0.30	0.15	1.50	**AI 1 - 8 YE**	**3201097**	100
	1.5	16	Red	-	14.00	3.40	8.00	0.30	0.15	1.80	**AI 1,5 - 8 RD**	**3201136**	100
	2.5	14	Blue	-	14.00	4.20	8.00	0.30	0.15	2.30	**AI 2,5 - 8 BU**	**3200522**	100
	2.5	14	Blue	-	14.00	4.20	8.00	0.30	0.15	2.30	**AI 2,5 - 8 BU -1000**	**3200920**	1000
	2.5	14	Blue	-	18.00	4.20	12.00	0.30	0.15	2.30	**AI 2,5 -12 BU**	**3200962**	100
	2.5	14	Blue	-	24.00	4.20	18.00	0.30	0.15	2.30	**AI 2,5 -18 BU**	**3200580**	100
	4	12	Gray	-	17.00	4.80	10.00	0.30	0.20	2.80	**AI 4 -10 GY**	**3200535**	100
	4	12	Gray	-	19.00	4.80	12.00	0.30	0.20	2.80	**AI 4 -12 GY**	**3200959**	100
	4	12	Gray	-	26.00	4.80	18.00	0.30	0.20	2.80	**AI 4 -18 GY**	**3200593**	100
	6	10	Black	-	20.00	6.20	12.00	0.30	0.20	3.50	**AI 6 -12 BK**	**3201107**	100
	10	8	ivory	-	22.00	7.50	12.00	0.30	0.20	4.60	**AI 10 -12 IV**	**3201068**	100
	16	6	Green	-	24.00	8.80	12.00	0.40	0.20	5.80	**AI 16 -12 GN**	**3201152**	100
	16	6	Green	-	28.00	8.80	18.00	0.40	0.20	5.80	**AI 16 -18 GN**	**3201330**	100
	25	4	Brown	-	30.00	11.00	16.00	0.50	0.20	7.30	**AI 25 -16 BN**	**3201084**	50
	35	2	beige	-	30.00	12.50	16.00	0.50	0.20	8.30	**AI 35 -16 BE**	**3201071**	50
	50	1/0	olive	-	36.00	15.00	20.00	0.60	0.35	10.30	**AI 50 -20 OL**	**3201178**	50
	95[1])	4	Red	-	44.00	18.00	25.00	0.60	0.35	14.70	**AI 95 -25 RD**	**3201853**	25
	120[1])	5	Blue	-	48.00	21.00	27.00	0.70	0.45	16.70	**AI120 -27 BU**	**3201822**	25

Ferrules with insulating collar with color code in acc. with NF C 63-023

These ferrules correspond to the dimensions of DIN 46228-4: 1990-09. The color code of the plastic insulating collar is based on the French standard NF C 63-023: 1994-02.

The metal insulating sleeves consist of soft electrolytic copper with tin plating.





AI ...

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) These ferrules are not included in DIN 46228-4:1990-09.

General data		
Material / coating		E-CU / tin-plated (galvanic)
Plastic sleeve material		Polypropylene
Long/short-term temperature		105°C / 120°C

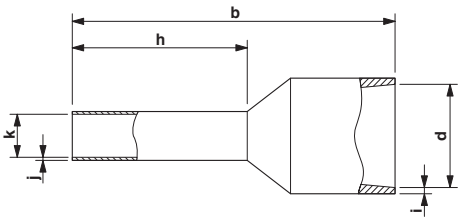
Ordering data

Description	Cross-section [mm²]	Cross-section AWG	Color	Dimensions [mm] a	b	d	h	i	j	k	Type	Order No.	Pcs. Pkt.
Ferrules, with plastic sleeve, color code as per NF C 63-023: 1994-02, CSA-certified													
	0.5	20	White	-	12.00	2.50	6.00	0.25	0.15	1.10	**AI 0,5 - 6 WH**	**3200687**	100
	0.5	20	White	-	14.00	2.50	8.00	0.25	0.15	1.10	**AI 0,5 - 8 WH**	**3200014**	100
	0.5	20	White	-	14.00	2.50	8.00	0.25	0.15	1.10	**AI 0,5 - 8 WH -1000**	**3200881**	1000
	0.5	20	White	-	16.00	2.50	10.00	0.25	0.15	1.10	**AI 0,5 -10 WH**	**3201275**	100
	0.5[1])	20	White	-	18.00	2.50	12.00	0.25	0.15	1.10	**AI 0,5 -12 WH**	**3200506**	100
	0.75	18	Blue	-	14.00	2.80	8.00	0.25	0.15	1.30	**AI 0,75- 8 BU**	**3200027**	100
	1	18	Red	-	12.00	3.00	6.00	0.30	0.15	1.50	**AI 1 - 6 RD**	**3200742**	100
	1	18	Red	-	14.00	3.00	8.00	0.30	0.15	1.50	**AI 1 - 8 RD**	**3200030**	100
	1	18	Red	-	14.00	3.00	8.00	0.30	0.15	1.50	**AI 1 - 8 RD -1000**	**3200904**	1000
	1	18	Red	-	16.00	3.00	10.00	0.30	0.15	1.50	**AI 1 -10 RD**	**3200182**	100
	1	18	Red	-	18.00	3.00	12.00	0.30	0.15	1.50	**AI 1 -12 RD**	**3200674**	100
	1.5[1])	16	Black	-	12.00	3.40	6.00	0.30	0.15	1.80	**AI 1,5 - 6 BK**	**3200755**	100
	1.5	16	Black	-	14.00	3.40	8.00	0.30	0.15	1.80	**AI 1,5 - 8 BK**	**3200043**	100
	1.5	16	Black	-	14.00	3.40	8.00	0.30	0.15	1.80	**AI 1,5 - 8 BK -1000**	**3200917**	1000
	1.5	16	Black	-	18.00	3.40	10.00	0.30	0.15	1.80	**AI 1,5 -10 BK**	**3200195**	100
	1.5	16	Black	-	18.50	3.40	12.00	0.30	0.15	1.80	**AI 1,5 -12 BK**	**3201482**	100
	1.5	16	Black	-	24.00	3.40	18.00	0.30	0.15	1.80	**AI 1,5 -18 BK**	**3200056**	100
	2.5	14	Gray	-	14.00	4.20	8.00	0.30	0.15	2.30	**AI 2,5 - 8 GY**	**3200069**	100
	2.5	14	Gray	-	18.00	4.20	12.00	0.30	0.15	2.30	**AI 2,5 -12 GY**	**3200205**	100
	2.5	14	Gray	-	24.00	4.20	18.00	0.30	0.15	2.30	**AI 2,5 -18 GY**	**3200072**	100
	4	12	Orange	-	17.00	4.80	10.00	0.30	0.20	2.80	**AI 4 -10 OG**	**3200085**	100
	4	12	Orange	-	19.00	4.80	12.00	0.30	0.20	2.80	**AI 4 -12 OG**	**3200438**	100
	4	12	Orange	-	26.00	4.80	18.00	0.30	0.20	2.80	**AI 4 -18 OG**	**3200098**	100
	6	10	Green	-	20.00	6.20	12.00	0.30	0.20	3.50	**AI 6 -12 GN**	**3200108**	100
	6	10	Green	-	26.00	6.20	18.00	0.30	0.20	3.50	**AI 6 -18 GN**	**3200111**	100
	10	8	Brown	-	22.00	7.50	12.00	0.30	0.20	4.60	**AI 10 -12 BN**	**3200124**	100
	10	8	Brown	-	28.00	7.50	18.00	0.30	0.20	4.60	**AI 10 -18 BN**	**3200137**	100
	16	6	ivory	-	24.00	8.80	12.00	0.40	0.20	5.80	**AI 16 -12 IV**	**3201181**	100
	25	4	Black	-	30.00	11.00	16.00	0.50	0.20	7.30	**AI 25 -16 BK**	**3200412**	50
	25	4	Black	-	35.00	11.00	22.00	0.50	0.20	7.30	**AI 25 -22 BK**	**3200739**	50
	35	2	Red	-	30.00	12.50	16.00	0.50	0.20	8.30	**AI 35 -16 RD**	**3200441**	50
	35	2	Red	-	39.00	12.50	25.00	0.50	0.20	8.30	**AI 35 -25 RD**	**3200713**	50
	50	1/0	Blue	-	36.00	15.00	20.00	0.60	0.35	10.30	**AI 50 -20 BU**	**3200454**	50
	50	1/0	Blue	-	40.00	15.00	25.00	0.60	0.35	10.30	**AI 50 -25 BU**	**3200726**	25

Ferrules for special applications

Ferrules without insulating collar are usually used to crimp short-circuit proof conductors. The function of the plastic sleeve is then often taken over by a shrink fit tubing section.

This complicated process is greatly facilitated by the AI-XL ferrules.



For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



AI-XL ...

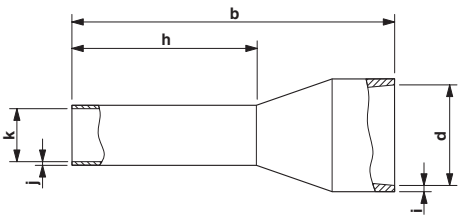
General data		
Material / coating		E-CU / tin-plated (galvanic)
Plastic sleeve material		Polypropylene
Long/short-term temperature		105°C / 120°C

Ordering data

Description	Cross-section [mm²]	Cross-section AWG	Color	Dimensions [mm] a	b	d	h	i	j	k	Type	Order No.	Pcs. Pkt.
Ferrules, with plastic sleeve, color range as per **DIN 46228-4: 1990-09,** CSA-certified													
	1.5	16	Black	-	17.50	7.00	8.00	0.30	0.15	1.80	**AI-XL 1,5- 8 BK**	**3201916**	100
	1.5	16	Black	-	19.50	7.00	10.00	0.30	0.15	1.80	**AI-XL 1,5-10 BK**	**3201974**	100
	2.5	14	Blue	-	17.50	7.90	8.00	0.30	0.15	2.30	**AI-XL 2,5- 8 BU**	**3201929**	100
	2.5	14	Blue	-	21.50	7.90	12.00	0.30	0.15	2.30	**AI-XL 2,5-12 BU**	**3201987**	100
	4	12	Gray	-	19.50	7.90	10.00	0.30	0.20	2.90	**AI-XL 4 -10 GY**	**3201932**	100
	6	10	Yellow	-	23.00	8.70	12.00	0.30	0.20	3.60	**AI-XL 6 -12 YE**	**3201945**	100
	10	8	Red	-	24.00	10.20	12.00	0.30	0.20	4.60	**AI-XL 10 -12 RD**	**3201958**	100
	16	6	Blue	-	25.50	12.50	12.00	0.40	0.20	6.00	**AI-XL 16 -12 BU**	**3201961**	100

Ferrules for special applications

Conductors with thicker insulation can be crimped in a practical manner using AI ...-GB ferrules. Due to the increased diameter of the insulating collar, this type of ferrule is mainly used in AWG conductors.



For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



AI ...-GB

General data		
Material / coating		E-CU / tin-plated (galvanic)
Plastic sleeve material		Polypropylene
Long/short-term temperature		105°C / 120°C

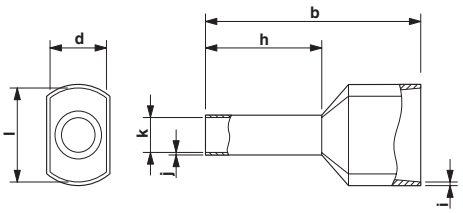
Ordering data

Description	Cross-section [mm²]	AWG	Color	Dimensions [mm] a	b	d	h	i	j	k	Type	Order No.	Pcs. Pkt.
Ferrules, with plastic sleeves, CSA-certified													
	0.5	20	White	-	13.50	3.00	8.00	0.25	0.15	1.10	**AI 0,5 - 8 WH-GB**	**1208966**	500
	0.5	20	White	-	15.50	3.00	10.00	0.25	0.15	1.10	**AI 0,5-10 WH-GB**	**3203150**	100
	0.75	18	Gray	-	14.00	3.40	8.00	0.25	0.15	1.30	**AI 0,75- 8 GY-GB**	**1208979**	500
	0.75	18	Gray	-	16.00	3.40	10.00	0.25	0.15	1.30	**AI 0,75-10 GY-GB**	**3203163**	100
	1	18	Red	-	14.00	3.40	8.00	0.30	0.15	1.50	**AI 1 - 8 RD-GB**	**1208982**	500
	1	18	Red	-	16.00	3.40	10.00	0.30	0.15	1.50	**AI 1 -10 RD/1000 GB**	**1208869**	1000
	1.5	16	Black	-	14.00	3.70	8.00	0.30	0.15	1.80	**AI 1,5 - 8 BK-GB-1000**	**3202892**	1000
	1.5	16	Black	-	16.00	3.70	10.00	0.30	0.15	1.80	**AI 1,5 -10 BK/1000 GB**	**1208872**	1000

Ferrules for special applications

The TWIN ferrules are a practical way of crimping two conductors in one ferrule. Chain bridges are easy to make using these special ferrules.

Different versions of the single TWIN ferrules are available for individual applications.



For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



AI-TWIN 2X...

General data	
Material / coating	E-CU / tin-plated (galvanic)
Plastic sleeve material	Polypropylene
Long/short-term temperature	105°C / 120°C

Ordering data

Description	Cross-section [mm²]	Cross-section AWG	Color	Dimensions [mm] b	d	h	i	j	k	l	Type	Order No.	Pcs. Pkt.
Ferrules, with plastic sleeve, color range as per **DIN 46228-4: 1990-09,** CSA-certified													
	2 x 0.5	2 x 20	White	15.00	2.50	8.00	0.25	0.15	1.50	4.70	**AI-TWIN 2X 0,5 - 8 WH**	**3200933**	100
	2 x 0.75	2 x 18	Gray	15.00	2.80	8.00	0.25	0.15	1.80	5.00	**AI-TWIN 2X 0,75- 8 GY**	**3200807**	100
	2 x 0.75	2 x 18	Gray	17.00	2.80	10.00	0.25	0.15	1.80	5.00	**AI-TWIN 2X 0,75-10 GY**	**3200975**	100
	2 x 1	2 x 18	Red	15.00	3.40	8.00	0.30	0.15	2.05	5.40	**AI-TWIN 2X 1 - 8 RD**	**3200810**	100
	2 x 1	2 x 18	Red	17.00	3.40	10.00	0.30	0.15	2.05	5.40	**AI-TWIN 2X 1 -10 RD**	**3200988**	100
	2 x 1.5	2 x 16	Black	16.00	3.60	8.00	0.30	0.15	2.30	6.60	**AI-TWIN 2X 1,5 - 8 BK**	**3200823**	100
	2 x 1.5	2 x 16	Black	20.00	3.60	12.00	0.30	0.15	2.30	6.60	**AI-TWIN 2X 1,5 -12 BK**	**3200991**	100
	2 x 2.5	2 x 14	Blue	18.50	4.20	10.00	0.30	0.20	2.90	7.80	**AI-TWIN 2X 2,5 -10 BU**	**3200836**	100
	2 x 2.5	2 x 14	Blue	21.50	4.20	13.00	0.30	0.20	2.90	7.80	**AI-TWIN 2X 2,5 -13 BU**	**3200878**	100
	2 x 4	2 x 12	Gray	23.00	4.90	12.00	0.30	0.20	3.80	8.80	**AI-TWIN 2X 4 -12 GY**	**3201000**	100
	2 x 6	2 x 10	Yellow	25.00	5.90	14.00	0.40	0.20	4.90	10.00	**AI-TWIN 2X 6 -14 YE**	**3201013**	100
	2 x 10	2 x 8	Red	26.00	7.20	14.00	0.40	0.20	6.50	13.00	**AI-TWIN 2X10 -14 RD**	**3201026**	100
	2 x 16	2 x 6	Blue	31.00	8.80	16.00	0.50	0.20	8.50	16.60	**AI-TWIN 2X16 -16 BU**	**3202847**	50

Assortment boxes for ferrules



The practical AI SORTI BOXES make sure your workshop is tidy. The color marking and the transparent cover facilitate fast access to the required ferrules.

With the integrated euro clip they can be hung up on perforated board walls, for example, to save space.



AI ... SORTI BOX ...

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Sorti-box, equipped with ferrules in accordance with DIN 46228-4, CSA-certified 500 pcs. each of AI 0,5-8 WH, AI 2,5-8 BU, 100 pcs. each of AI 0,75-8 GY, AI 1-8 RD, AI 1,5-8 BK	Red	**AI SORTI BOX RD**	**3202960**	1
Sorti-box, equipped with ferrules in accordance with DIN 46228-4, CSA-certified 50 pcs. of AI 4-10 GY, 20 pcs. each of AI 6-12 YE, AI 10-12 RD, 10 pcs. of AI 16-12 BU	Anthracite	**AI SORTI BOX ANT**	**3202973**	1
Sorti-box, equipped with TWIN ferrules in accordance with DIN 46228-4, CSA-certified 500 pcs. each of AI-TWIN 2x0,5-8 WH, AI-TWIN 2x0,75-8 GY, AI-TWIN 2x1-8 RD, AI-TWIN 2x1,5-8 BK 25 pcs.of AI-TWIN 2x2,5-10 BU	Blue	**AI-TWIN SORTI BOX BU**	**3202986**	1
Sorti-box, equipped with TWIN ferrules in accordance with DIN 46228-4, CSA-certified 20 pcs. of AI-TWIN 2x4-12 GY, 10 pcs. each of AI-TWIN 2x6-14 YE, AI-TWIN 2x10-14 RD	Gray	**AI-TWIN SORTI BOX GY**	**3202999**	1
Assortment box, empty, with five compartments	Light gray	**AI SORTI BOX-E LGY**	**3203008**	10

Tool sets

We have compiled a few attractive tool sets for you from the comprehensive range of professional tools. You can find the special sets in the individual tool pages as well, e.g. screwdrivers, refer to page 645.



CRIMPSET ...

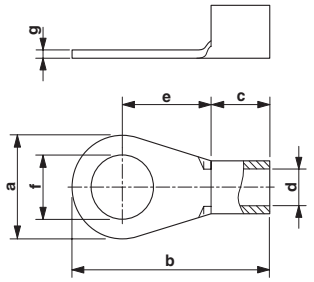
Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Range box, made of metal, equipped with ferrules in accordance with DIN 46228-4: 1990-09, CSA-certified 500 pieces each of AI 0,25-6 YE, AI 0,34-6 TQ, AI 0,5-8 WH, AI 0,75-8 GY, AI 1-8 RD, AI 1,5-8 BK, 300 pieces of AI 2,5-8 BU, 200 pieces of AI 4-10 GY, 100 pieces of AI 6-12 YE as well as stripping tool for wires and conductors of up to 6 mm² Crimping pliers for ferrules in accordance with DIN 46228, Part 1+4, 0.5 - 6 mm², front insertion, trapezoidal crimp		**CRIMPSET 6**	**1202072**	1
Range box, made of metal, equipped with ferrules in accordance with DIN 46228-4: 1990-09, CSA-certified 300 pieces of AI 10-12 RD, 200 pieces of AI 16-12 BU, 100 pieces of AI 25-16 YE as well as stripping tool, for stripping wires of 4.5 - 40 mm, Crimping pliers for ferrules in accordance with DIN 46228, Part 1+4, 10 - 25 mm², lateral insertion, WM crimp		**CRIMPSET 25**	**1202580**	1
Assortment box, metal, no components mounted		**CRIMPSET 6/25 LEER**	**1204041**	1

Ring cable lugs, non-isolated

The ring cable lugs without plastic sleeves from Phoenix Contact consist of high-quality electrolyte copper with tin plating in order to ensure maximum corrosion resistance. The hard-soldered crimping zone enables maximum conductor pull-out forces.

Cable lugs larger than 150 mm² see www.phoenixcontact.net/eshop.



For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



C-RC ...

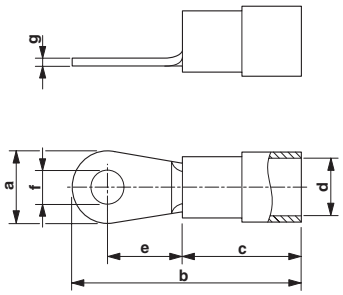
General data	
Material / coating	Copper / tin-plated
Temperature range [°C]	- ... 110

Ordering data

Description	Cross-section [mm²]	Cross-section AWG	Color	Dimensions [mm] a	b	c	d	e	f	g	Type	Order No.	Pcs. Pkt.
Ring cable lug, non-isolated, as per DIN 46234													
	1	18	Silver	6.00	14.00	5.00	1.60	6.00	2.80	0.80	**C-RC 1/M2,5 DIN**	**3240069**	100
	1	18	Silver	6.00	14.00	5.00	1.60	6.00	3.20	0.80	**C-RC 1/M3 DIN**	**3240070**	100
	1	18	Silver	6.00	14.00	5.00	1.60	6.00	3.70	0.80	**C-RC 1/M3,5 DIN**	**3240071**	100
	1	18	Silver	8.00	16.00	5.00	1.60	7.00	4.30	0.80	**C-RC 1/M4 DIN**	**3240072**	100
	1	18	Silver	10.00	18.00	5.00	1.60	8.00	5.30	0.80	**C-RC 1/M5 DIN**	**3240073**	100
	1	18	Silver	10.00	18.00	5.00	1.60	8.00	6.50	0.80	**C-RC 1/M6 DIN**	**3240074**	100
	1	18	Silver	14.00	22.00	5.00	1.60	12.00	8.40	0.80	**C-RC 1/M8 DIN**	**3240075**	100
	2.5	14	Silver	6.00	14.00	5.00	2.30	6.00	3.20	0.80	**C-RC 2,5/M3 DIN**	**3240076**	100
	2.5	14	Silver	6.00	14.00	5.00	2.30	6.00	3.70	0.80	**C-RC 2,5/M3,5 DIN**	**3240077**	100
	2.5	14	Silver	8.00	16.00	5.00	2.30	7.00	4.30	0.80	**C-RC 2,5/M4 DIN**	**3240078**	100
	2.5	14	Silver	10.00	19.00	5.00	2.30	9.00	5.30	0.80	**C-RC 2,5/M5 DIN**	**3240079**	100
	2.5	14	Silver	11.00	21.50	5.00	2.30	11.00	6.50	0.80	**C-RC 2,5/M6 DIN**	**3240080**	100
	2.5	14	Silver	14.00	24.00	5.00	2.30	12.00	8.40	0.80	**C-RC 2,5/M8 DIN**	**3240081**	100
	2.5	14	Silver	14.00	25.40	5.00	2.30	12.00	10.50	0.80	**C-RC 2,5/M10 DIN**	**3240082**	100
	6	10	Silver	8.00	17.50	6.00	3.60	8.00	4.30	1.00	**C-RC 6/M4 DIN**	**3240083**	50
	6	10	Silver	10.00	20.00	6.00	3.60	9.00	5.30	1.00	**C-RC 6/M5 DIN**	**3240084**	50
	6	10	Silver	11.00	22.00	6.00	3.60	10.00	6.50	1.00	**C-RC 6/M6 DIN**	**3240085**	50
	6	10	Silver	14.00	26.00	6.00	3.60	13.00	8.40	1.00	**C-RC 6/M8 DIN**	**3240086**	50
	6	10	Silver	18.00	30.00	6.00	3.60	15.00	10.50	1.00	**C-RC 6/M10 DIN**	**3240087**	50
	6	10	Silver	18.00	35.50	6.00	3.60	15.00	13.00	1.00	**C-RC 6/M12 DIN**	**3240088**	50
	10	8	Silver	10.00	21.00	8.00	4.50	8.00	5.30	1.10	**C-RC 10/M5 DIN**	**3240089**	100
	10	8	Silver	11.00	23.00	8.00	4.50	9.00	6.50	1.10	**C-RC 10/M6 DIN**	**3240090**	100
	10	8	Silver	14.00	27.00	8.00	4.50	12.00	8.40	1.10	**C-RC 10/M8 DIN**	**3240091**	100
	10	8	Silver	18.00	30.00	8.00	4.50	13.00	10.50	1.10	**C-RC 10/M10 DIN**	**3240092**	100
	10	8	Silver	22.00	34.00	8.00	4.50	15.00	13.00	1.10	**C-RC 10/M12 DIN**	**3240093**	100
	16	6	Silver	11.00	26.00	10.00	5.80	10.00	5.30	1.10	**C-RC 16/M5 DIN**	**3240094**	100
	16	6	Silver	11.00	26.00	10.00	5.80	10.00	6.50	1.20	**C-RC 16/M6 DIN**	**3240095**	100
	16	6	Silver	14.00	29.00	10.00	5.80	12.00	8.40	1.20	**C-RC 16/M8 DIN**	**3240096**	100
	16	6	Silver	18.00	33.00	10.00	5.80	14.00	10.50	1.20	**C-RC 16/M10 DIN**	**3240097**	100
	16	6	Silver	22.00	37.00	10.00	5.80	16.00	13.00	1.20	**C-RC 16/M12 DIN**	**3240098**	100
	25	4	Silver	12.00	31.00	11.00	7.50	14.00	5.30	1.50	**C-RC 25/M5 DIN**	**3240099**	100
	25	4	Silver	12.00	31.00	11.00	7.50	14.00	6.50	1.50	**C-RC 25/M6 DIN**	**3240100**	100
	25	4	Silver	16.00	33.00	11.00	7.50	14.00	8.40	1.50	**C-RC 25/M8 DIN**	**3240101**	100
	25	4	Silver	18.00	35.00	11.00	7.50	15.00	10.50	1.50	**C-RC 25/M10 DIN**	**3240102**	100
	25	4	Silver	31.00	42.00	11.00	7.50	20.00	13.00	1.50	**C-RC 25/M12 DIN**	**3240103**	100
	25	4	Silver	35.00	49.00	11.00	7.50	25.00	17.00	1.50	**C-RC 25/M16 DIN**	**3240104**	100
	35	2	Silver	15.00	34.00	12.00	9.00	14.00	6.50	1.60	**C-RC 35/M6 DIN**	**3240105**	100
	35	2	Silver	16.00	34.00	12.00	9.00	14.00	8.40	1.60	**C-RC 35/M8 DIN**	**3240106**	100
	35	2	Silver	18.00	36.00	12.00	9.00	15.00	10.50	1.60	**C-RC 35/M10 DIN**	**3240107**	100
	35	2	Silver	22.00	42.00	12.00	9.00	19.00	13.00	1.60	**C-RC 35/M12 DIN**	**3240108**	100
	35	2	Silver	28.00	50.00	12.00	9.00	24.00	17.00	1.60	**C-RC 35/M16 DIN**	**3240109**	100
	50	1/0	Silver	18.00	43.00	16.00	11.00	18.00	6.50	1.80	**C-RC 50/M6 DIN**	**3240110**	100
	50	1/0	Silver	18.00	43.00	16.00	11.00	18.00	8.40	1.80	**C-RC 50/M8 DIN**	**3240111**	100
	50	1/0	Silver	18.00	43.00	16.00	11.00	18.00	10.50	1.80	**C-RC 50/M10 DIN**	**3240112**	100
	50	1/0	Silver	22.00	47.00	16.00	11.00	20.00	13.00	1.80	**C-RC 50/M12 DIN**	**3240113**	100
	50	1/0	Silver	28.00	54.00	16.00	11.00	24.00	17.00	1.80	**C-RC 50/M16 DIN**	**3240114**	100
	70	2/0	Silver	22.00	49.00	18.00	13.00	20.00	6.50	2.00	**C-RC 70/M6 DIN**	**3240115**	100
	70	2/0	Silver	22.00	49.00	18.00	13.00	20.00	8.40	2.00	**C-RC 70/M8 DIN**	**3240116**	100
	70	2/0	Silver	22.00	49.00	18.00	13.00	20.00	10.50	2.00	**C-RC 70/M10 DIN**	**3240117**	100
	95	3/0	Silver	24.00	54.00	20.00	15.00	22.00	8.40	2.50	**C-RC 95/M8 DIN**	**3240120**	100
	95	3/0	Silver	24.00	54.00	20.00	15.00	22.00	10.50	2.50	**C-RC 95/M10 DIN**	**3240121**	50
	95	3/0	Silver	24.00	54.00	20.00	15.00	22.00	13.00	2.50	**C-RC 95/M12 DIN**	**3240122**	50
	120	250	Silver	24.00	56.00	22.00	16.50	22.00	8.40	3.00	**C-RC 120/M8 DIN**	**3240124**	25
	120	250	Silver	24.00	56.00	22.00	16.50	22.00	10.50	3.00	**C-RC 120/M10 DIN**	**3240125**	25
	120	250	Silver	24.00	56.00	22.00	16.50	22.00	13.00	3.00	**C-RC 120/M12 DIN**	**3240126**	25
	150	300	Silver	30.00	65.00	24.00	19.00	26.00	10.50	3.20	**C-RC 150/M10 DIN**	**3240128**	25
	150	300	Silver	30.00	65.00	24.00	19.00	26.00	13.00	3.20	**C-RC 150/M12 DIN**	**3240129**	25
	150	300	Silver	30.00	65.00	24.00	19.00	26.00	17.00	3.20	**C-RC 150/M16 DIN**	**3240130**	25

Ring cable lugs, isolated

The isolated ring cable lugs with plastic sleeves from Phoenix Contact are hard-soldered and are equipped with the 'EASY ENTRY' system. The sleeves taper to a point, thus enabling an easy and correct conductor entry.



For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



C-RCI ...

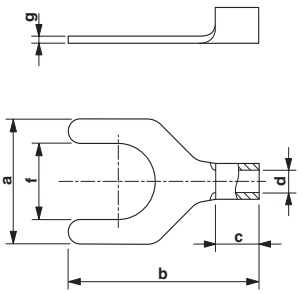
General data		
Material / coating		Copper / tin-plated
Temperature range	[°C]	-20 ... 105

Ordering data

Description	Cross-section [mm²]	Cross-section AWG	Color	Dimensions [mm] a	b	c	d	e	f	g	Type	Order No.	Pcs. Pkt.
Ring cable lug, isolated as per UL													
	1.5	16	Red	5.50	17.50	10.50	4.10	4.30	3.20	0.75	**C-RCI 1,5/M3**	**3240016**	100
	1.5	16	Red	5.50	17.50	10.50	4.10	4.30	3.70	0.75	**C-RCI 1,5/M3,5**	**3240017**	100
	1.5	16	Red	8.00	21.70	10.50	4.10	7.30	4.30	0.75	**C-RCI 1,5/M4**	**3240018**	100
	1.5	16	Red	8.00	21.70	10.50	4.10	7.30	5.30	0.75	**C-RCI 1,5/M5**	**3240019**	100
	1.5	16	Red	11.60	27.60	10.50	4.10	11.20	6.50	0.75	**C-RCI 1,5/M6**	**3240020**	100
	2.5	14	Blue	6.60	20.60	11.00	4.50	7.80	3.20	0.80	**C-RCI 2,5/M3**	**3240021**	100
	2.5	14	Blue	6.60	20.60	11.00	4.50	6.30	3.70	0.80	**C-RCI 2,5/M3,5**	**3240022**	100
	2.5	14	Blue	8.50	23.00	11.00	4.50	7.80	4.30	0.80	**C-RCI 2,5/M4**	**3240023**	100
	2.5	14	Blue	9.50	23.00	11.00	4.50	7.30	5.30	0.80	**C-RCI 2,5/M5**	**3240024**	100
	2.5	14	Blue	12.00	28.10	11.00	4.50	11.00	6.50	0.80	**C-RCI 2,5/M6**	**3240025**	50
	2.5	14	Blue	12.00	28.10	11.00	4.50	11.00	8.50	0.80	**C-RCI 2,5/M8**	**3240026**	50
	6	14	Yellow	9.50	26.70	14.00	6.60	8.00	4.30	1.00	**C-RCI 6/M4**	**3240027**	50
	6	10	Yellow	9.50	26.70	14.00	6.60	8.00	5.30	1.00	**C-RCI 6/M5**	**3240028**	50
	6	10	Yellow	12.00	32.70	14.00	6.60	12.70	6.50	1.00	**C-RCI 6/M6**	**3240029**	25
	6	10	Yellow	15.00	34.90	14.00	6.60	13.40	8.50	1.00	**C-RCI 6/M8**	**3240030**	25
	6	10	Yellow	15.00	34.90	14.00	6.60	13.40	10.50	1.00	**C-RCI 6/M10**	**3240031**	25
	10	8	Red	10.00	31.30	16.00	7.50	10.90	5.30	1.10	**C-RCI 10/M5**	**3240219**	50
	10	8	Red	11.00	31.30	16.00	7.50	19.30	6.50	1.10	**C-RCI 10/M6**	**3240220**	50
	10	8	Red	14.00	37.30	16.00	7.50	13.80	8.40	1.10	**C-RCI 10/M8**	**3240221**	50
	10	8	Red	18.00	37.30	16.00	7.50	13.80	10.50	1.10	**C-RCI 10/M10**	**3240222**	50

Fork-type cable lugs, non-isolated and isolated

The ring cable lugs without plastic sleeves from Phoenix Contact have a hard-soldered neck and attain maximum conductor pull-out forces in connection with the CRIMPFOX RC /...RCI pliers. The isolated variants are halogen-free and are equipped with "EASY ENTRY".



For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



C-FC ... / C-FCI ...

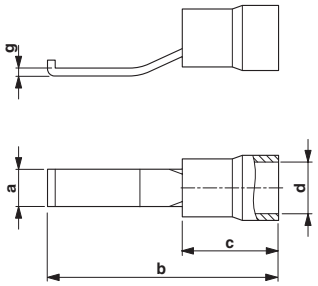
General data	
Material / coating	Copper / tin-plated
Temperature range [°C]	- ... 110

Ordering data

Description	Cross-section [mm²]	AWG	Color	Dimensions [mm] a	b	c	d	e	f	g	Type	Order No.	Pcs. Pkt.
Fork-type cable lug, non-isolated DIN 46234													
	1.5	16	Silver	5.70	16.00	4.50	1.90	7.20	3.20	0.75	**C-FC 1,5/M3**	**3240137**	100
	1.5	16	Silver	6.20	16.00	4.50	1.90	7.20	3.70	0.75	**C-FC 1,5/M3,5**	**3240138**	100
	1.5	16	Silver	7.20	16.00	4.50	1.90	7.20	4.30	0.75	**C-FC 1,5/M4**	**3240139**	100
	1.5	16	Silver	8.00	16.00	4.50	1.90	6.50	5.30	0.75	**C-FC 1,5/M5**	**3240140**	100
	1.5	16	Silver	10.70	17.00	4.50	1.90	8.00	6.40	0.80	**C-FC 1,5/M6**	**3240141**	100
	2.5	14	Silver	5.70	16.00	4.80	2.50	6.50	3.20	0.80	**C-FC 2,5/M3**	**3240142**	100
	2.5	14	Silver	6.20	16.00	4.80	2.50	6.50	3.70	0.80	**C-FC 2,5/M3,5**	**3240143**	100
	2.5	14	Silver	7.20	16.00	4.80	2.50	6.50	4.30	0.80	**C-FC 2,5/M4**	**3240144**	100
	2.5	14	Silver	8.00	16.00	4.80	2.50	6.50	5.30	0.80	**C-FC 2,5/M5**	**3240145**	100
	2.5	14	Silver	10.70	17.00	4.80	2.50	7.60	6.40	0.80	**C-FC 2,5/M6**	**3240146**	100
	2.5	14	Silver	13.50	22.10	4.80	2.50	7.60	8.40	0.80	**C-FC 2,5/M8**	**3240147**	100
	6	10	Silver	8.20	19.50	6.50	3.60	7.60	4.30	1.00	**C-FC 6/M4**	**3240148**	50
	6	10	Silver	9.00	19.50	6.50	3.60	8.00	5.30	1.00	**C-FC 6/M5**	**3240149**	50
	6	10	Silver	12.00	23.10	6.50	3.60	9.50	6.40	1.00	**C-FC 6/M6**	**3240150**	50
	6	10	Silver	13.50	25.00	6.50	3.60	12.00	8.40	1.00	**C-FC 6/M8**	**3240151**	50
Fork-type cable lug, isolated as per UL													
	1.5	16	Red	5.70	22.00	10.50	4.10	7.20	3.20	0.75	**C-FCI 1,5/M3**	**3240032**	100
	1.5	16	Red	5.70	22.00	10.50	4.10	7.20	3.70	0.75	**C-FCI 1,5/M3,5**	**3240033**	100
	1.5	16	Red	7.20	22.00	10.50	4.10	7.20	4.30	0.75	**C-FCI 1,5/M4**	**3240034**	100
	1.5	16	Red	8.00	22.00	10.50	4.10	6.50	5.30	0.75	**C-FCI 1,5/M5**	**3240035**	100
	1.5	16	Red	10.70	22.00	10.50	4.10	8.00	6.50	0.75	**C-FCI 1,5/M6**	**3240036**	100
	2.5	14	Blue	5.70	22.50	11.00	4.50	6.50	3.20	0.80	**C-FCI 2,5/M3**	**3240037**	100
	2.5	14	Blue	5.70	22.50	11.00	4.50	6.50	3.70	0.80	**C-FCI 2,5/M3,5**	**3240038**	100
	2.5	14	Blue	7.20	22.50	11.00	4.50	6.50	4.30	0.80	**C-FCI 2,5/M4**	**3240039**	100
	2.5	14	Blue	8.00	22.50	11.00	4.50	6.50	5.30	0.80	**C-FCI 2,5/M5**	**3240040**	50
	2.5	14	Blue	10.70	22.50	11.00	4.50	7.60	6.50	0.80	**C-FCI 2,5/M6**	**3240041**	50
	6	10	Yellow	8.20	26.70	14.00	6.60	7.50	4.30	1.00	**C-FCI 6/M4**	**3240042**	50
	6	10	Yellow	9.00	26.70	14.00	6.60	8.00	5.30	1.00	**C-FCI 6/M5**	**3240043**	50
	6	10	Yellow	12.00	30.30	14.00	6.60	9.90	6.50	1.00	**C-FCI 6/M6**	**3240044**	25
	6	10	Yellow	13.50	32.80	14.00	6.60	11.50	8.50	1.00	**C-FCI 6/M8**	**3240045**	25

Flat pin cable lugs, isolated

The isolated flat pin cable lugs with plastic sleeves from Phoenix Contact are impressive thanks to the following:
– "EASY ENTRY" easy and safe conductor entry
– Hard-soldered crimping zone for maximum pull-out forces
– Electrolytically tin-plated
– Free from halogen



For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



C-BCI ...

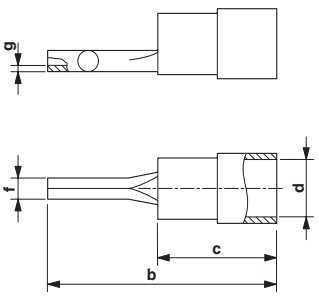
General data		
Material / coating		Copper / tin-plated
Temperature range	[°C]	-20 ... 105

Ordering data

Description	Cross-section		Color	Dimensions [mm]							Type	Order No.	Pcs. Pkt.
	[mm²]	AWG		a	b	c	d	e	f	g			
Flat pin cable lug, insulated													
	1.5	16	Red	2.80	28.00	10.50	4.00	-	-	0.80	**C-BCI 1,5/2,8**	**3240015**	100
	2.5	14	Blue	2.80	28.50	11.00	4.50	-	-	0.80	**C-BCI 2,5/2,8**	**3240046**	100
	6	10	Yellow	2.80	32.00	14.00	6.50	-	-	0.80	**C-BCI 6/2,8**	**3240047**	50

Pin cable lugs, isolated

The isolated pin cable lugs with plastic sleeves from Phoenix Contact are impressive thanks to the following:
– "EASY ENTRY" easy and safe conductor entry
– Hard-soldered crimping zone for maximum pull-out forces
– Electrolytically tin-plated
– Free from halogen





C-PCI ...

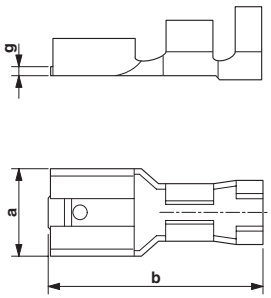
General data		
Material / coating		Copper / tin-plated
Temperature range	[°C]	-20 ... 105

Ordering data

Description	Cross-section		Color	Dimensions [mm]							Type	Order No.	Pcs. Pkt.
	[mm²]	AWG		a	b	c	d	e	f	g			
Pin cable lug, isolated as per UL													
	1.5	16	Red	-	22.50	10.50	4.10	-	2.00	0.75	**C-PCI 1,5/2**	**3240064**	100
	2.5	14	Blue	-	23.00	11.00	4.50	-	2.00	0.80	**C-PCI 2,5/2**	**3240066**	100
	6	10	Yellow	-	27.50	14.00	6.60	-	2.70	0.80	**C-PCI 6/2,7**	**3240068**	50

Slip-on sleeves and flat connectors, non-insulated

The non-isolated slip-on sleeves and flat connectors are made of electrolytically tin-plated brass and supplement the product range in the field of connectors.



For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



C-SCF ... / C-SCM ...

General data		
Material / coating		Copper / tin-plated
Temperature range	[°C]	- ... 110

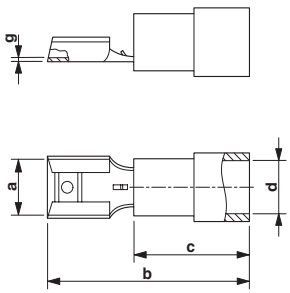
Ordering data

Description	Cross-section [mm²]	Cross-section AWG	Color	Dimensions [mm] a	b	c	d	e	f	g	Type	Order No.	Pcs. Pkt.
Slip-on sleeve, non-isolated as per DIN 46247													
	1	18	Silver	2.80	14.50	-	-	-	-	0.30	**C-SCF 1/2,8X0,5**	**3240152**	100
	1	18	Silver	2.80	12.50	-	-	-	-	0.30	**C-SCF 1/2,8X0,8**	**3240153**	100
	1.5	16	Silver	4.80	15.60	-	-	-	-	0.40	**C-SCF 1,5/4,8X0,5**	**3240154**	100
	1.5	16	Silver	4.80	15.60	-	-	-	-	0.40	**C-SCF 1,5/4,8X0,8**	**3240155**	100
	1.5	16	Silver	6.30	19.20	-	-	-	-	0.40	**C-SCF 1,5/6,3X0,8**	**3240156**	100
	2.5	14	Silver	4.80	15.60	-	-	-	-	0.40	**C-SCF 2,5/4,8X0,5**	**3240157**	100
	2.5	14	Silver	4.80	15.60	-	-	-	-	0.40	**C-SCF 2,5/4,8X0,8**	**3240158**	100
	2.5	14	Silver	6.30	19.20	-	-	-	-	0.40	**C-SCF 2,5/6,3X0,8**	**3240159**	100
	6	10	Silver	6.30	19.20	-	-	-	-	0.40	**C-SCF 6/6,3X0,8**	**3240160**	100
Flat connector, non-isolated as per DIN 46248													
	1.5	16	Silver	6.30	20.00	-	-	-	-	0.40	**C-SCM 1,5/6,3X0,8**	**3240161**	100
	2.5	14	Silver	6.30	20.00	-	-	-	-	0.40	**C-SCM 2,5/6,3X0,8**	**3240162**	100

Slip-on sleeves and flat connectors, insulated

The isolated flat connectors and slip-on sleeves with plastic sleeves from Phoenix Contact are impressive thanks to the following:

– "EASY ENTRY" easy and safe conductor entry
– Hard-soldered crimping zone for maximum pull-out forces
– Electrolytically tin-plated
– Free from halogen



For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

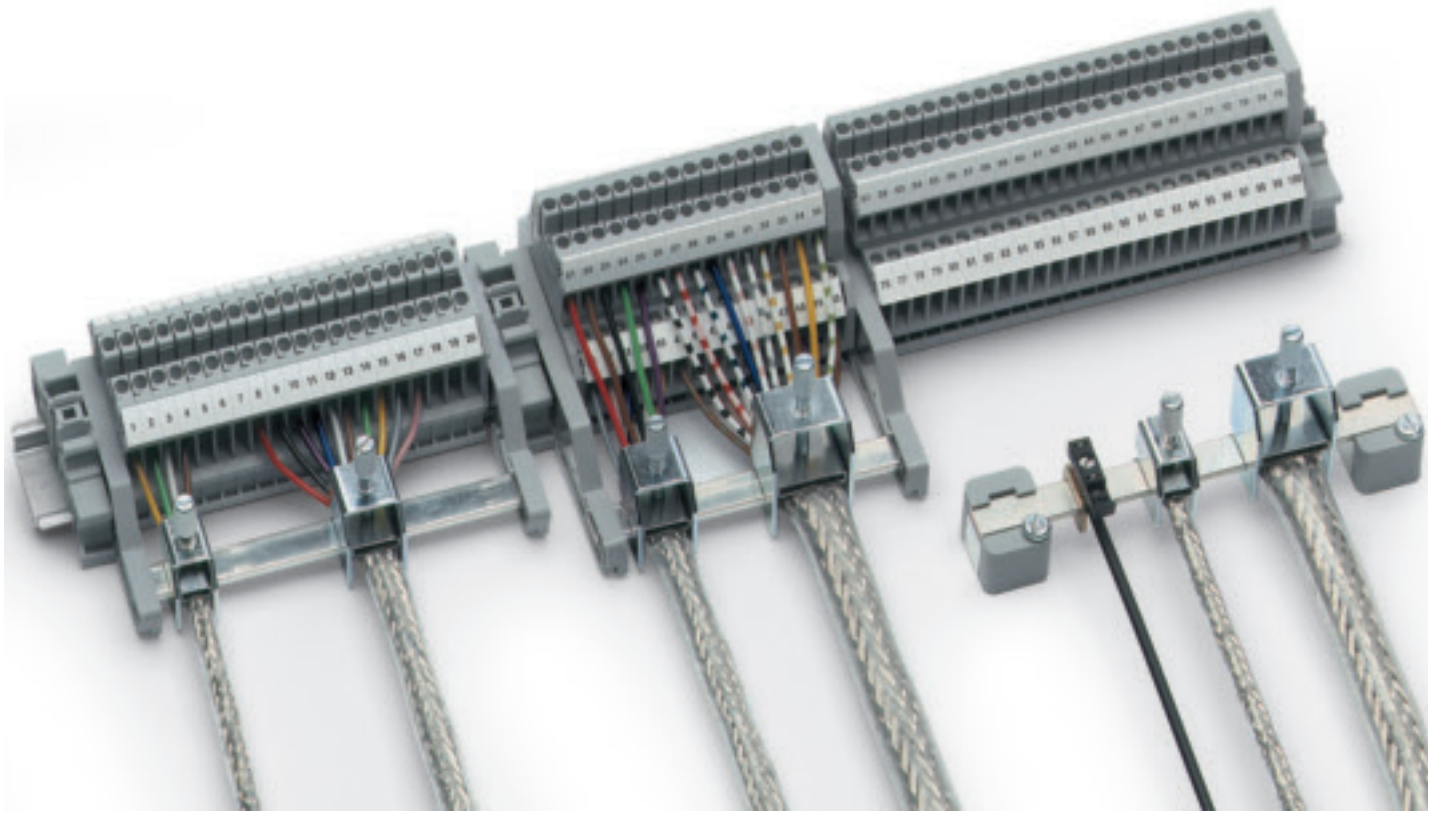


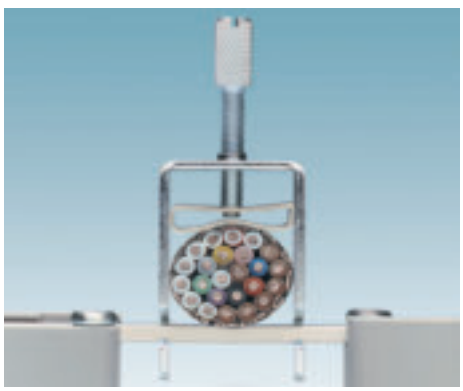
C-SCFI ... / C-SCMI ...

General data	
Material / coating	Copper / tin-plated
Temperature range [°C]	-20 ... 105

Ordering data

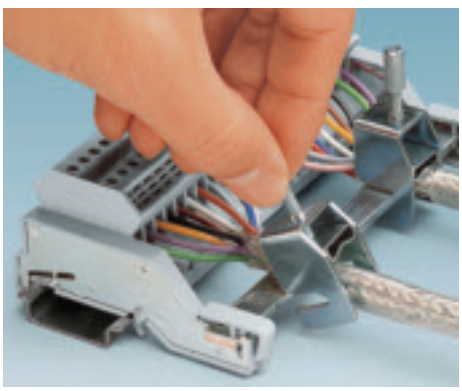
Description	Cross-section [mm²]	AWG	Color	Dimensions [mm] a	b	c	d	e	f	g	Type	Order No.	Pcs. Pkt.
Slip-on sleeve, isolated as per UL													
	1.5	16	Red	2.80	18.50	10.50	4.10	-	-	0.25	**C-SCFI 1,5/2,8X0,5**	**3240048**	100
	1.5	16	Red	2.80	18.50	10.50	4.10	-	-	0.25	**C-SCFI 1,5/2,8X0,8**	**3240049**	100
	1.5	16	Red	4.80	19.50	10.50	4.10	-	-	0.40	**C-SCFI 1,5/4,8X0,5**	**3240050**	100
	1.5	16	Red	4.80	19.50	10.50	4.10	-	-	0.40	**C-SCFI 1,5/4,8X0,8**	**3240051**	100
	1.5	16	Red	6.30	21.50	10.50	4.10	-	-	0.40	**C-SCFI 1,5/6,3X0,5**	**3240052**	100
	2.5	14	Blue	4.80	20.00	11.00	5.00	-	-	0.40	**C-SCFI 2,5/4,8X0,5**	**3240053**	50
	2.5	14	Blue	4.80	20.00	11.00	5.00	-	-	0.40	**C-SCFI 2,5/4,8X0,8**	**3240054**	50
	2.5	14	Blue	6.30	22.00	11.00	5.00	-	-	0.40	**C-SCFI 2,5/6,3X0,8**	**3240055**	50
	6	10	Yellow	6.30	25.00	14.00	6.60	-	-	0.40	**C-SCFI 6/6,3X0,8**	**3240056**	50
Flat connector, isolated as per UL													
	1.5	16	Red	6.30	22.00	10.50	4.10	-	-	0.40	**C-SCMI 1,5**	**3240058**	100
	2.5	14	Blue	6.30	22.50	11.00	4.50	-	-	0.40	**C-SCMI 2,5**	**3240059**	50
	6	10	Yellow	6.30	24.50	14.00	6.60	-	-	0.40	**C-SCMI 6**	**3240060**	50





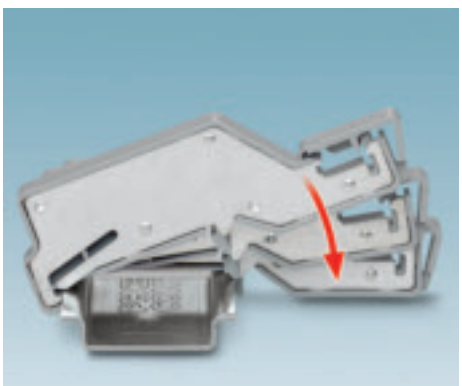
Large-surface shield

Shield clamps from Phoenix Contact are suitable for all conventional cable shields and enable EMC-compliant wiring through extensive surfaces as well as low-impedance and low-ohmic contact transitions.



Simple assembly

Shield clamps from Phoenix Contact provide optimum wiring convenience. The shield clamp is mounted by simply swiveling and turning the knurled screw only after the terminal strip is wired.

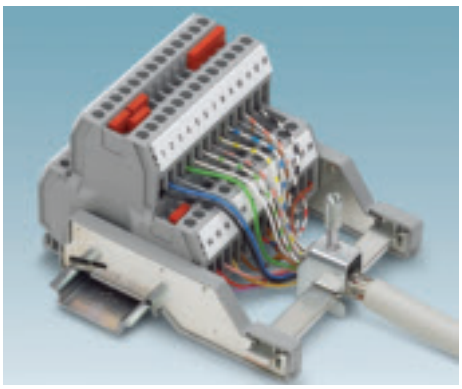


Safe contact

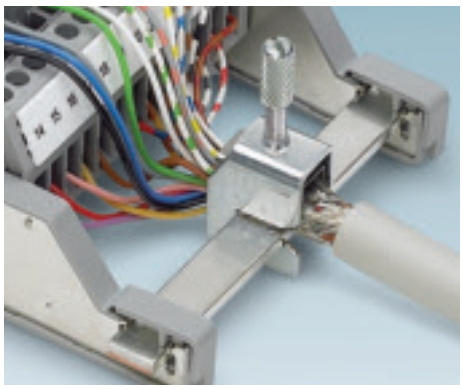
Supports for shield clamps from Phoenix Contact are simply snapped onto the DIN rail. The ground potential is automatically connected to the busbar with the help of the integrated contact metals.



Conductors with a diameter of 2 ... 35 mm can be optimally contacted with the SK series shield clamps without using special auxiliary tools.



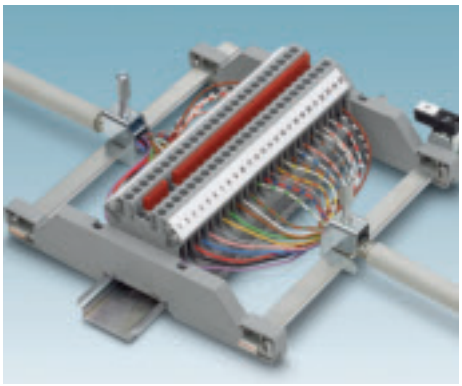
The shield supports AB-SK... connect the ground potential of the DIN rail to the neutral busbar via integrated metal plates.



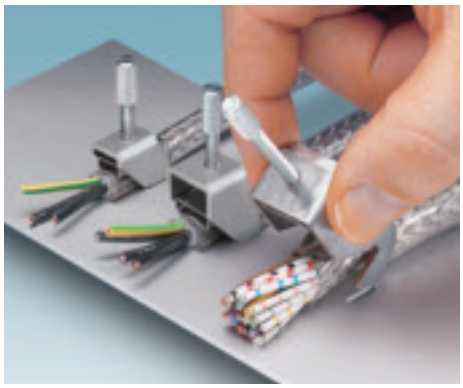
The braided shield is often connected to the ground potential of the system. Large surfaces for guiding the ground potential reduce the emitted interference and the effect of the antenna.



The 3 x 10 mm neutral busbar can also be snapped into the contact zone quickly and reliably. The ground potential is thus automatically connected to the busbar.



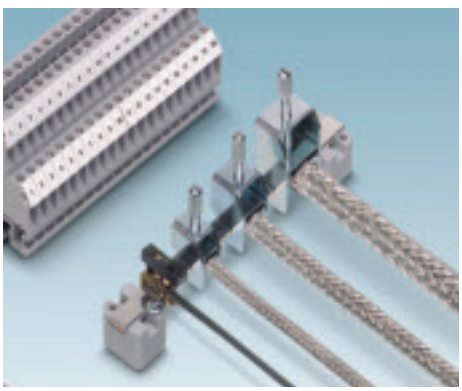
The double support enables easy handling with optimum EMC properties for the two-sided contact area of a shielded conductor. Either an insulated or a grounded structure can be set up.



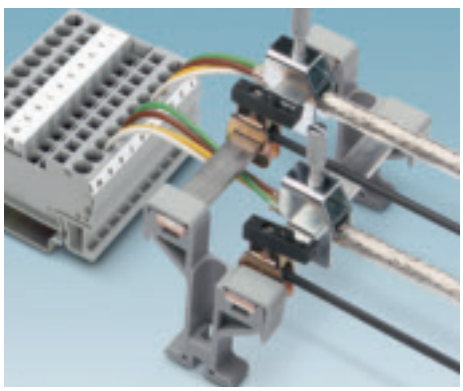
With a similar structure to the SK series, shields with SK ...-D terminal blocks can be directly mounted on the mounting plate or the backplane. The terminal blocks are simply swung-in into two elongated holes above the conductor.



Supports with lateral metal inlay for neutral busbars or T-shaped compact supports AB-SK/E are used for free positioning of shield clamps on the mounting plate.



The shielding can be connected with the ground potential also after insulating it against the protective earth. Here, appropriate contact is established with the neutral busbar using a pick-off terminal block.



Terminal blocks with a front connection can be most easily wired using higher supports. Therefore, even multi-level terminal blocks can be connected with short wiring paths in an EMC-compliant manner.

Shield clamps SK ...

Shield clamps of the SK series optimally make contact with shielded conductors either using a busbar or directly on a mounting plate.

For dimensional drawings, see page 682.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



SK ...



SK ...-D

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Shield terminal block, for applying the shield to busbars, contact resistance < 1 mΩ							
Ø 2-5 mm, tightening torque 0.4 Nm	Silver	**SK 5**	**3025338**	10			
Ø 3-8 mm, tightening torque 0.6 Nm	Silver	**SK 8**	**3025163**	10			
Ø 3-14 mm, tightening torque 0.8 Nm	Silver	**SK 14**	**3025176**	10			
Ø 5-20 mm, tightening torque 0.8 Nm	Silver	**SK 20**	**3025189**	10			
Ø 5-28 mm, 1 Nm torque	Silver	**SK 28**	**3026997**	10			
Ø 20-35 mm, tightening torque 1.5-1.8 Nm	Silver	**SK 35**	**3026463**	10			
Shield connection clamp, for applying the shield directly to the conductive mounting plates, plate thickness 1-2 mm							
Ø 2-5 mm, tightening torque 0.4 Nm	Silver				**SK 5-D**	**3025406**	10
Ø 3-8 mm, tightening torque 0.6 Nm	Silver				**SK 8-D**	**3026861**	10
Ø 3-14 mm, tightening torque 0.8 Nm	Silver				**SK 14-D**	**3026874**	10
Ø 5-20 mm, tightening torque 0.8 Nm	Silver				**SK 20-D**	**3026887**	10
Ø 5-28 mm, 1 Nm torque	Silver				**SK 28-D**	**3027006**	10
Ø 20-35 mm, tightening torque 1.5-1.8 Nm	Silver				**SK 35-D**	**3026890**	10

Accessories

Support, for mounting on NS 35..., for 10 x 3 mm busbars		**AB-SK**	**3025341**	10			
		AB-SK 65	**3026489**	10			
Double support, for mounting on NS 35..., direct contact with NS 35..., to accommodate 3 x 10 mm busbars		**AB-SK 65-D**	**3026900**	10			
Double support, for mounting on NS 35..., no contact with NS 35..., for accommodation of 3 x 10 mm busbars		**AB-SK 65-D ISOLATED**	**3040889**	10			
Support, insulating material, with retaining screw, for 3 x 10 mm or 6 x 6 mm busbars		**AB/SS**	**0404428**	10			
Support, insulating material, with retaining screw, for 3 x 10 mm busbars		**AB/SS-M**	**3025888**	10			
Double support, insulating material, optionally for use with 3 x 10 mm or 6 x 6 mm neutral busbar, height: 48 mm							
Height 48 mm		**AB2/SS**	**0404431**	10			
Height 36.8 mm		**ABN 2/SS**	**0404460**	10			
Support, for direct mounting with contacting on the mounting surface		**AB-SK/E**	**3026476**	10			
PEN conductor busbar, 3 x 10 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A		**NLS-CU 3/10 SN 1000MM**	**0402174**	10			

Shield clamps SKS ...



SKS ...



SKS ...-NS35

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Shield terminal block, for applying the shield to busbars, contact resistance < 1 mΩ							
Ø 3-8 mm		**SKS 8**	**3240210**	10			
Ø 3-14 mm		**SKS 14**	**3240211**	10			
Ø 5-20 mm		**SKS 20**	**3240212**	10			
Shield connection terminal block, for directly applying the shield to conductive mounting plates, metal thickness 1-2 mm, with fastening screw M4							
Ø 3-8 mm		**SKS 8-D**	**3240213**	10			
Ø 3-14 mm		**SKS 14-D**	**3240214**	10			
Ø 5-20 mm		**SKS 20-D**	**3240215**	10			
Shield connection clamps, mounting on DIN rail NS 35..., for shield on busbars							
Ø 3-8 mm					**SKS 8-NS35**	**3240216**	10
Ø 3-14 mm					**SKS 14-NS35**	**3240217**	10
Ø 5-20 mm					**SKS 20-NS35**	**3240218**	10

Accessories

Support, made of insulating material, for 3 x 10 mm or 6 x 6 mm busbars		**AB/SKS**	**3240224**	10			
Support, made of insulating material, for 3 x 10 mm or 6 x 6 mm busbars		**AB-SKS 60**	**3240223**	10			
Double support, insulating material, optionally for use with 3 x 10 mm or 6 x 6 mm neutral busbar, height: 48 mm							
Height 48 mm		**AB2/SS**	**0404431**	10			
Double support, insulating material, can be optionally used for either 3 x 10 mm or 6 x 6 mm neutral busbar							
Height 36.8 mm		**ABN 2/SS**	**0404460**	10			

Support



AB-SK ...



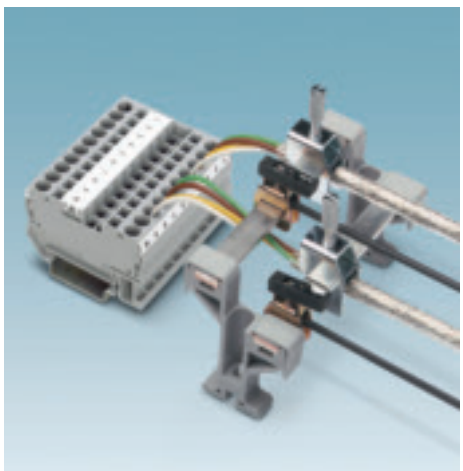
AB-SKS 60

General data							
Material		PA			PA		

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Support, for mounting on NS 35..., for 10 x 3 mm busbars							
	Gray	**AB-SK**	**3025341**	10			
	Gray	**AB-SK 65**	**3026489**	10			
Double support, for mounting on NS 35..., direct contact with NS 35..., to accommodate 3 x 10 mm busbars							
	Gray	**AB-SK 65-D**	**3026900**	10			
Double support, for mounting on NS 35..., no contact with NS 35..., for accommodation of 3 x 10 mm busbars							
	Gray	**AB-SK 65-D ISOLATED**	**3040889**	10			
Support, made of insulating material, for 3 x 10 mm or 6 x 6 mm busbars							
	Gray				**AB-SKS 60**	**3240223**	10

Support





AB ...2/SS

General data							
Material		PA			PA		

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Double support, insulating material, optionally for use with 3 x 10 mm or 6 x 6 mm neutral busbar, height: 48 mm				
Height 48 mm	Gray	**AB2/SS**	**0404431**	10
Height 36.8 mm	Gray	**ABN 2/SS**	**0404460**	10

Support

The supports are available in the designs
– AB/SS for isolated installation on the mounting plate and
– AB/SS-M for non-isolated installation on the mounting plate

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



AB/SS...



AB/SKS

General data		
Material	PA	PA

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Support, insulating material, with retaining screw, for 3 x 10 mm or 6 x 6 mm busbars	Gray	**AB/SS**	**0404428**	10			
Support, insulating material, with retaining screw, for 3 x 10 mm busbars	Gray	**AB/SS-M**	**3025888**	10			
Support, made of insulating material, for 3 x 10 mm or 6 x 6 mm busbars	Gray				**AB/SKS**	**3240224**	10

Support



For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



AB-SK/E

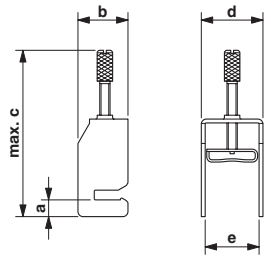
General data	
Material	Aluminum

Ordering data

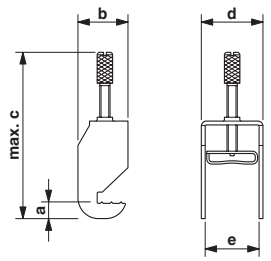
Description	Color	Type	Order No.	Pcs. / Pkt.
Support, for direct mounting with contacting on the mounting surface	Silver	**AB-SK/E**	**3026476**	10

SK ... shield clamps

Dimensions in mm	a	b	c	d	e
SK 5	6.5	19.5	46.8	9	6
SK 8	6.5	19.5	48.7	12	9
SK 14	6.5	19.5	59.3	17	14
SK 20	6.5	19.5	75	24	21
SK 28	6.5	20	93	32	28
SK 35	6.5	20	106.5	40	36
SK 5-D	6.5	19.5	46.8	9	6
SK 8-D	6.5	19.5	47.2	12	9
SK 14-D	6.5	19.5	57.8	17	14
SK 20-D	6.5	19.5	73.5	24	21
SK 28-D	6.5	20	91.5	32	28
SK 35-D	6.5	20	105.0	41	36



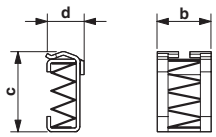
SK ...



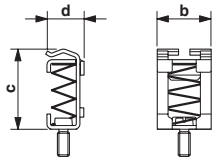
SK ...-D

SKS ... shield clamps

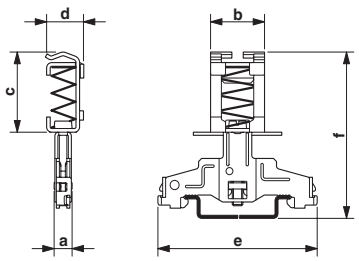
Dimensions in mm	a	b	c	d	e	f
SKS 8	–	18	26	12.4	–	–
SKS 14	–	21	32	19	–	–
SKS 20	–	27	40.5	24.7	–	–
SKS 8-D	–	18	26	12.4	–	–
SKS 14-D	–	21	32	19	–	–
SKS 20-D	–	27	40.5	24.7	–	–
SKS 8-NS35	6	18	26	12.4	52	54
SKS 14-NS35	6	21	32	19	52	60
SKS 20-NS35	6	27	40.5	24.7	52	68.4



SKS ...



SKS ...-D

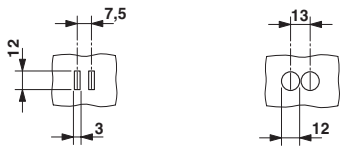


SKS ...-NS35

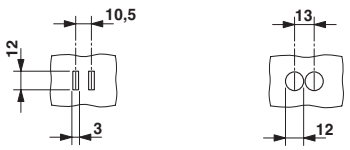
Drilling and punching patterns for SK ...-D

Punching template

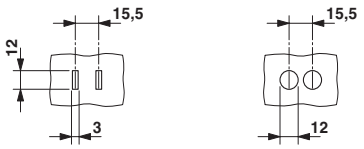
Drilling diagram



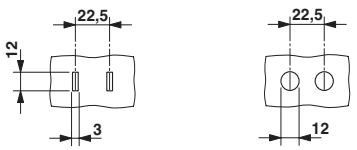
SK 5-D



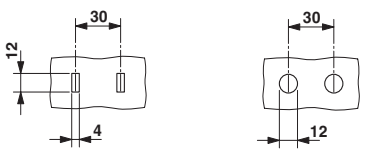
SK 8-D



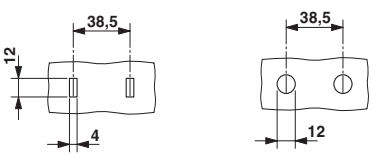
SK 14-D



SK 20-D

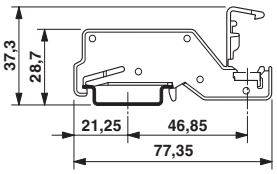


SK 28-D

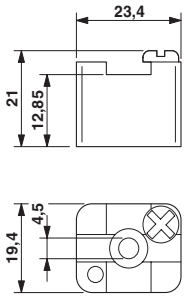


SK 35-D

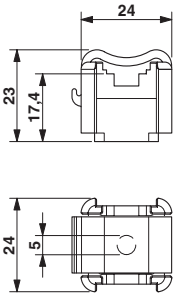
AB ... supports



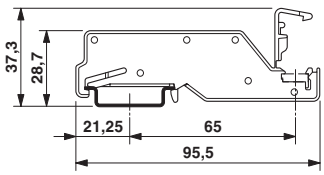
AB-SK



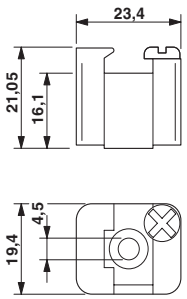
AB/SS



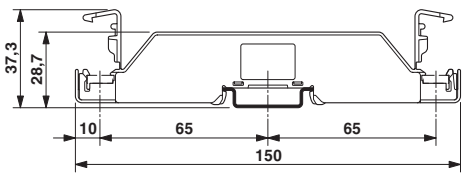
AB/SKS



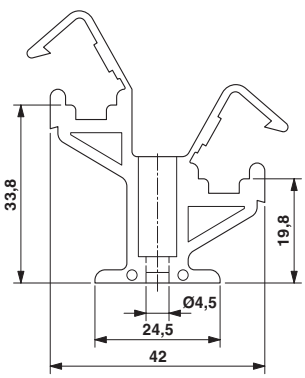
AB-SK 65



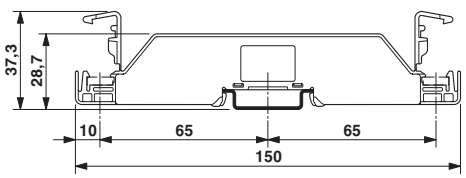
AB/SS-M



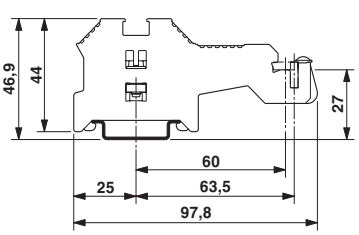
AB-SK 65-D



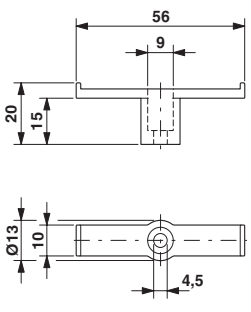
ABN 2/SS



AB-SK 65-D ISOLATED

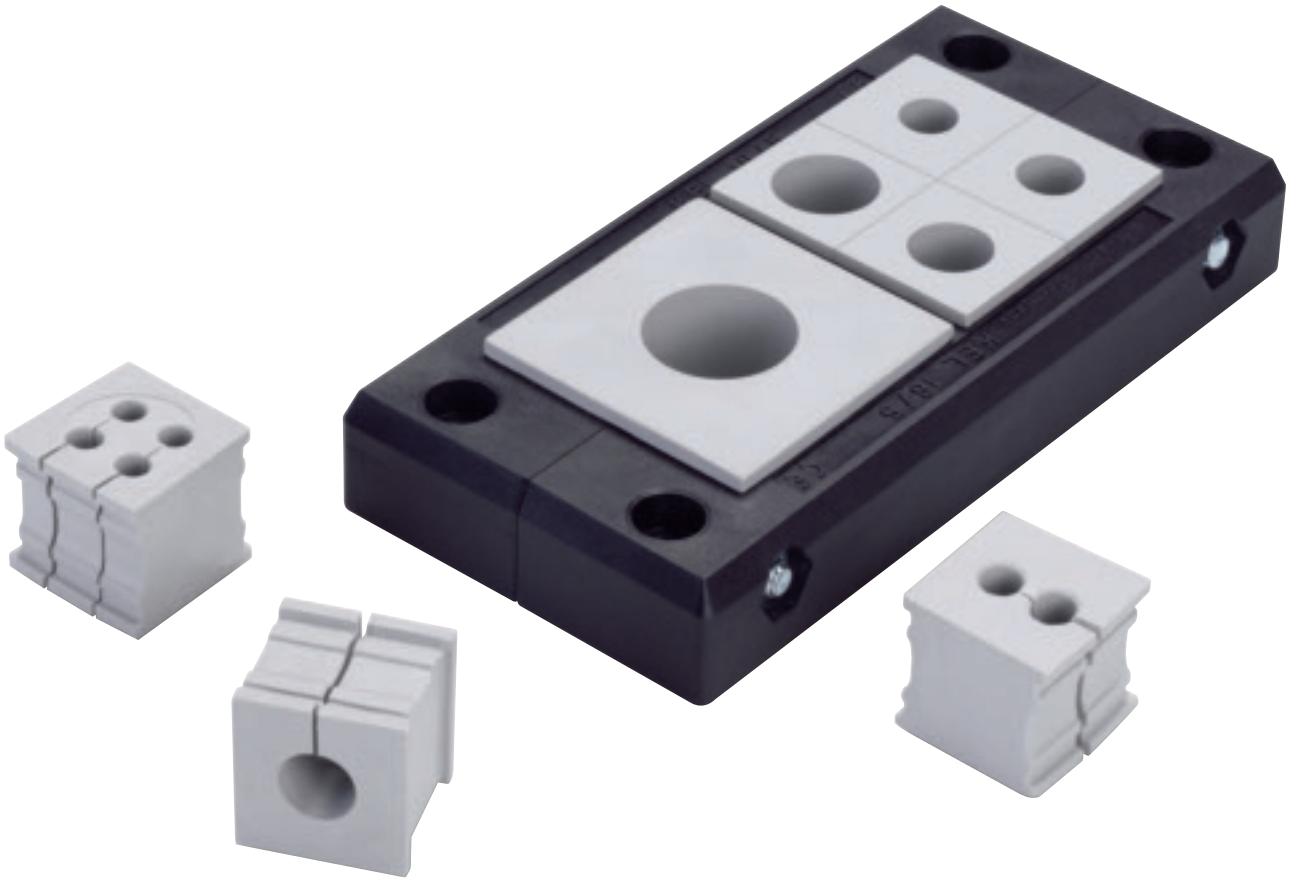


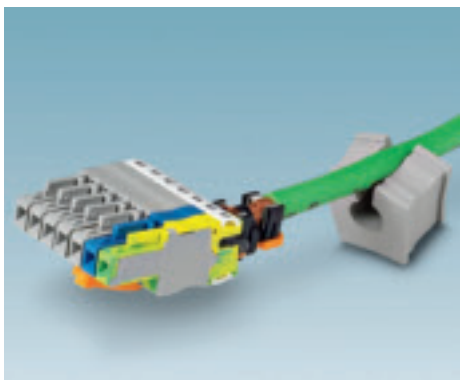
AB-SKS 60



AB-SK/E

KEL cable entry system





Reliable connection

The slit KEL bushings allow quick assembly without having to remove the plugs from the cable. The manufacturer's warranty for preassembled cables therefore remains intact.



Simple assembly

The KEL system has a modular design and allows simple replacement of cables. The fitted gasket can be quickly snapped open and shut with the KEL-SNAP frame.



Space-saving cable entry

Thanks to a standard cutout for heavy-duty connectors, up to 40 cables can be installed in the control cabinet with a KEL system and a large number of connectors can thus be replaced.

KEL sealing and snap-on frames

KEL sealing frames are used to accommodate cable sleeves that are available in various designs. The two different frame sizes are modeled as per the standard cutouts similar to those provided for 16 or 24-pos. connectors. A grommet ensures the IP54 degree of protection.

The KEL-SNAP snap-on frames are available for mounting the KEL sealing frames without tools.

For dimensional drawings, see page 689.



KEL ...



KEL-SNAP ...

Dimensions		Width	Length	Height	Width	Length	Height
	[mm]	58	120	17	64	128	38
General data							
Material		PA			PA		
Degree of protection		IP54			IP54		
Inflammability class acc. to UL 94		V0			V0		
Temperature range	[°C]	-20 ... 80			-20 ... 80		

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Sealing frame, for accommodating:							
Two large sleeves	Black	**KEL 16/2**	**3063015**	10			
4 small sleeves	Black	**KEL 16/4**	**3063028**	10			
4 small and 1 large sleeve	Black	**KEL 16/5**	**3063031**	10			
8 small sleeves	Black	**KEL 16/8**	**3063044**	10			
Sealing frame, for accommodating:							
2 small and 2 large sleeves	Black	**KEL 24/4**	**3063057**	10			
5 small sleeves	Black	**KEL 24/5**	**3063060**	10			
6 small and 1 large sleeve	Black	**KEL 24/7**	**3063073**	10			
Ten small sleeves	Black	**KEL 24/10**	**3063086**	10			
Snap-on frames for the small sealing frames, for mounting on standard cutouts of 16-pos. connectors	Black				**KEL-SNAP 16**	**3063099**	10
Snap-on frames for the large sealing frames, for mounting on standard cutouts of 24-pos. connectors	Black				**KEL-SNAP 24**	**3063109**	10

KEL sleeves

The KDT... cable sleeves are used for accommodating pre-assembled cables with a diameter of 3 ... 34 mm. They can be used in the KEL sealing frames and in the mounted condition, they ensure strain relief as per DIN EN 50262. The integrated sealing lips ensure the IP54 degree of protection for the completely equipped system.



KDT ...



KDT ...

General data			
Material		Elastomer	Elastomer
Degree of protection		IP54	IP54
Inflammability class acc. to UL 94		V0	V0
Temperature range	[°C]	-20 ... 80	-20 ... 80

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Small, slotted cable sleeves, can be used in KEL sealing frames:KEL 16/4, KEL 16/5, KEL 16/8, KEL 24/4, KEL 24/5, KEL 24/7, KEL 24/10, suitable for conductors with a diameter of:							
3-4 mm	Gray	**KDT 3-4**	**3063112**	10			
4-5 mm	Gray	**KDT 4-5**	**3063125**	10			
5-6 mm	Gray	**KDT 5-6**	**3063138**	10			
6-7 mm	Gray	**KDT 6-7**	**3063141**	10			
7-8 mm	Gray	**KDT 7-8**	**3063154**	10			
8-9 mm	Gray	**KDT 8-9**	**3063167**	10			
9-10 mm	Gray	**KDT 9-10**	**3063170**	10			
10-11 mm	Gray	**KDT 10-11**	**3063183**	10			
11-12 mm	Gray	**KDT 11-12**	**3063196**	10			
12-13 mm	Gray	**KDT 12-13**	**3063206**	10			
13-14 mm	Gray	**KDT 13-14**	**3063219**	10			
14-15 mm	Gray	**KDT 14-15**	**3063222**	10			
15-16 mm	Gray	**KDT 15-16**	**3063235**	10			
16-17 mm	Gray	**KDTK 16-17**	**3063248**	10			
17-18 mm	Gray	**KDTK 17-18**	**3063251**	10			
Large, slotted cable sleeves, can be used in KEL sealing frames:KEL 16/2, KEL 16/5, KEL 24/4, KEL 24/7, suitable for conductors with a diameter of:							
16-17 mm	Gray				**KDT 16-17**	**3063264**	10
17-18 mm	Gray				**KDT 17-18**	**3063277**	10
18-19 mm	Gray				**KDT 18-19**	**3063280**	10
19-20 mm	Gray				**KDT 19-20**	**3063293**	10
20-21 mm	Gray				**KDT 20-21**	**3063303**	10
21-22 mm	Gray				**KDT 21-22**	**3063316**	10
22-23 mm	Gray				**KDT 22-23**	**3063329**	10
23-24 mm	Gray				**KDT 23-24**	**3063332**	10
24-25 mm	Gray				**KDT 24-25**	**3063345**	10
25-26 mm	Gray				**KDT 25-26**	**3063358**	10
26-27 mm	Gray				**KDT 26-27**	**3063361**	10
27-28 mm	Gray				**KDT 27-28**	**3063374**	10
28-29 mm	Gray				**KDT 28-29**	**3063387**	10
29-30 mm	Gray				**KDT 29-30**	**3063390**	10
31-32 mm	Gray				**KDT 30-32**	**3063400**	10
32-33 mm	Gray				**KDT 32-33**	**3063413**	10
33-34 mm	Gray				**KDT 33-34**	**3063426**	10

Special formats of KEL sleeves

The ATG adapter sleeve facilitates accommodation of a small KEL sleeve and can be inserted in the large feed-through positions of the sealing frames. Dummy sleeves do not have any openings and can be used to close unnecessary feed-throughs.



KDT ...



ATG / BT...

General data			
Material	Elastomer	Elastomer	
Degree of protection	IP54	IP54	
Inflammability class acc. to UL 94	V0	V0	
Temperature range [°C]	-20 ... 80	-20 ... 80	

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Small, slotted cable sleeves, can be used in KEL sealing frames: KEL 16/4, KEL 16/5, KEL 16/8, KEL 24/4, KEL 24/5, KEL 24/7, KEL 24/10, suitable for 2 conductors with a diameter of:							
2 x 6 mm	Gray	**KDT 2/6**	**3063439**	10			
2 x 7 mm	Gray	**KDT 2/7**	**3063442**	10			
Small, slotted cable sleeves, can be used in KEL sealing frames: KEL 16/4, KEL 16/5, KEL 16/8, KEL 24/4, KEL 24/5, KEL 24/7, KEL 24/10, suitable for 4 conductors with a diameter of:							
4 x 4 mm	Gray	**KDT 4/4**	**3063455**	10			
4 x 5 mm	Gray	**KDT 4/5**	**3063468**	10			
Adapter sleeve, can be used in KEL sealing frames: KEL 16/2, KEL 16/5, KEL 24/4, KEL 24/7	Gray				**ATG**	**3063497**	10
Small dummy sleeve, can be used in KEL sealing frames: KEL 16/4, KEL 16/5, KEL 16/8, KEL 24/4, KEL 24/5, KEL 24/7, KEL 24/10	Gray				**BTK**	**3063471**	10
Large dummy sleeve, can be used in KEL sealing frames: KEL 16/2, KEL 16/5, KEL 24/4, KEL 24/7	Gray				**BTG**	**3063484**	10

KEL accessories

The KEL plugs are provided for closing unused cable sleeves. If required, the plugs can always be replaced with cables of a suitable diameter.

The shielding can be diverted directly onto the housing without a cable interruption when using EMC cable intercepting strips. Subsequent mounting is possible.



KDT-ST ...



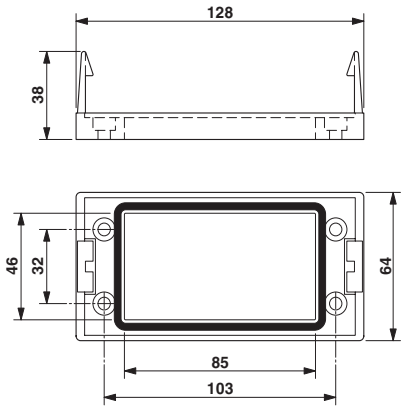
KEL-EMV ...

General data			
Material	PA		High-grade steel
Degree of protection	IP54		-
Inflammability class acc. to UL 94	V0		-
Temperature range [°C]	-20 ... 80		- ... -

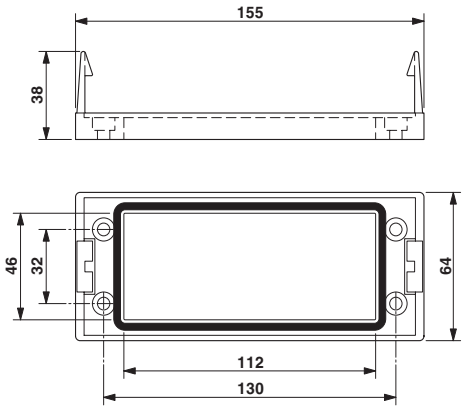
Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Plugs, for closing unoccupied cable sleeves with a diameter of:							
3 mm	White	**KDT-ST 3**	**3063921**	25			
4 mm	White	**KDT-ST 4**	**3063934**	25			
5 mm	White	**KDT-ST 5**	**3063947**	25			
6 mm	White	**KDT-ST 6**	**3063950**	25			
7 mm	White	**KDT-ST 7**	**3063963**	25			
8 mm	White	**KDT-ST 8**	**3063976**	25			
9 mm	White	**KDT-ST 9**	**3063989**	25			
10 mm	White	**KDT-ST 10**	**3063992**	25			
11 mm	White	**KDT-ST 11**	**3064001**	25			
12 mm	White	**KDT-ST 12**	**3062016**	25			
13 mm	White	**KDT-ST 13**	**3062029**	25			
14 mm	White	**KDT-ST 14**	**3062032**	25			
15 mm	White	**KDT-ST 15**	**3062045**	25			
16 mm	White	**KDT-ST 16**	**3062058**	25			
17 mm	White	**KDT-ST 17**	**3062061**	25			
EMC cable catch rail for mounting on the longitudinal side of the KEL sealing frame KEL 16/...					**KEL-EMV 16-4**	**3063507**	5
EMC cable catch rail for mounting on the longitudinal side of the KEL sealing frame KEL 24/...					**KEL-EMV 24-5**	**3063510**	5
EMC cable catch rail for mounting on the diagonal side of the KEL sealing frames KEL 16/... and KEL 24/...					**KEL-EMV-F**	**3063523**	5

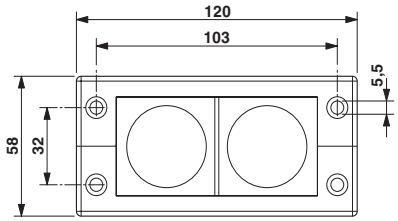
Dimensional drawings for KEL... sealing and snap-on frames



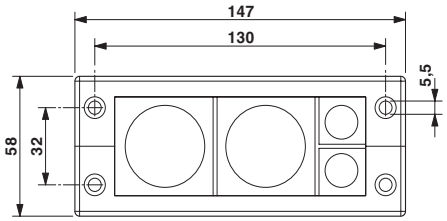
KEL-SNAP 16



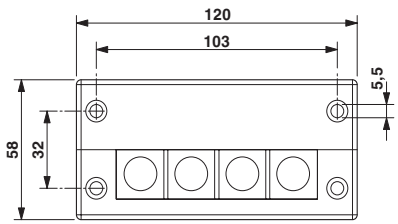
KEL-SNAP 24



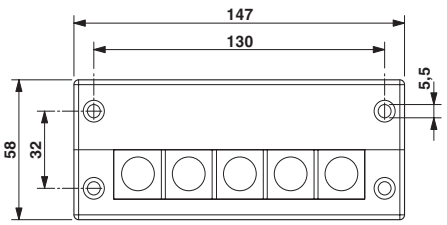
KEL 16/2



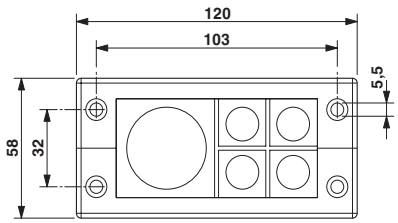
KEL 24/4



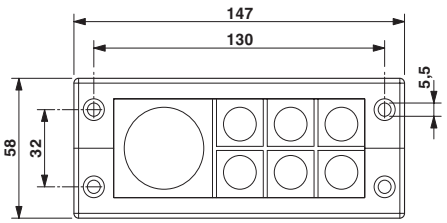
KEL 16/4



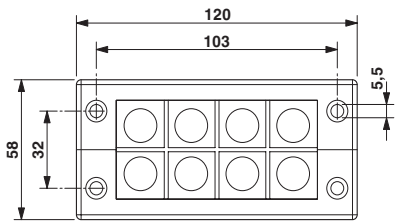
KEL 24/5



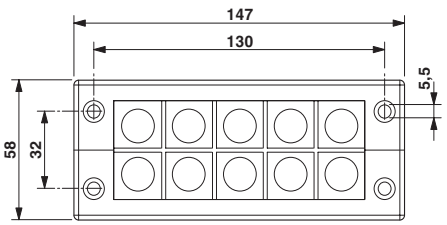
KEL 16/5



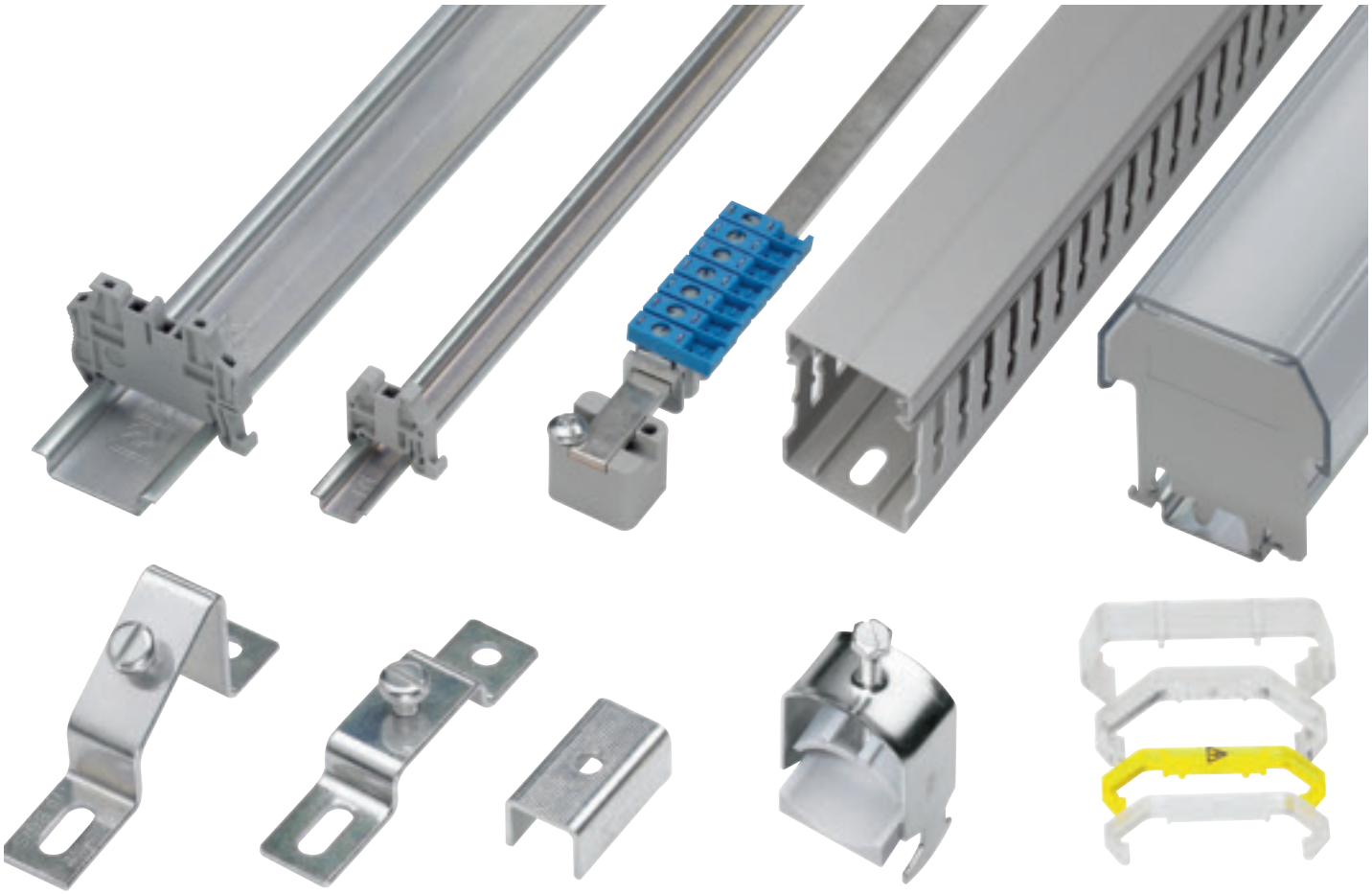
KEL 24/7



KEL 16/8



KEL 24/10



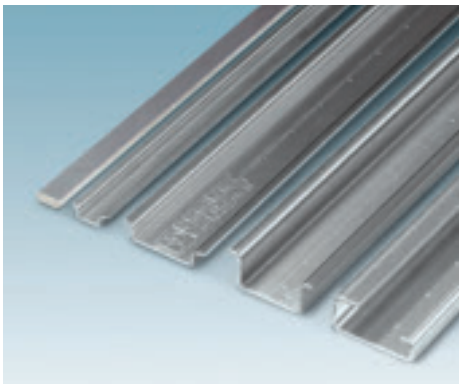
Safe mounting of electrical connections and components in switchgear can be implemented in a time-saving manner using suitable mounting facilities. The space in the control cabinet can be used optimally by combining the mounting accessories appropriately. DIN rails form the basis of the "insides" of the control cabinet. They guarantee a secure hold of the rail-mountable components.

Phoenix Contact provides a wide range of standardized rails made of various materials. They can be supplied cut to length with pre-drilled holes. Cable catching clamps and their rails complete the range. End brackets are used for a secure lateral hold of the components, especially in the event of jolts and vibrations in the systems. Depending on the application, they must be either fastened using screws or simply snapped onto the DIN rails as in the case of the CLIPFIX series. Marking carriers can be snapped onto the end brackets and serve for clarity and for optimal separation of individual terminal strip blocks.

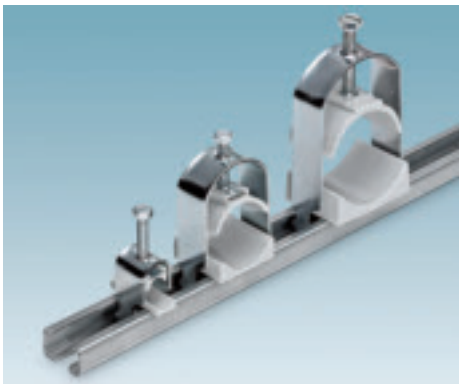
The extensive range of cover profiles guarantees the required safety.

The wide range of wiring channels allows the user to install cable flexibly and easily by breaking out the side bars without tools.

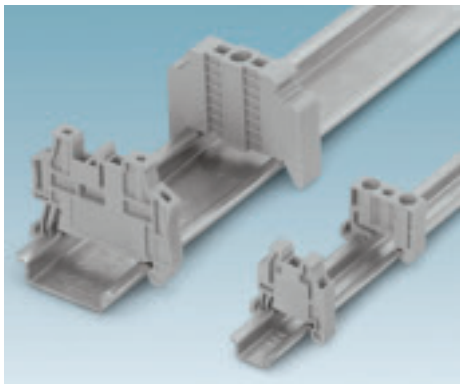
The mounting material range is rounded off by the installation materials with the pick-off, European and socket terminal blocks.



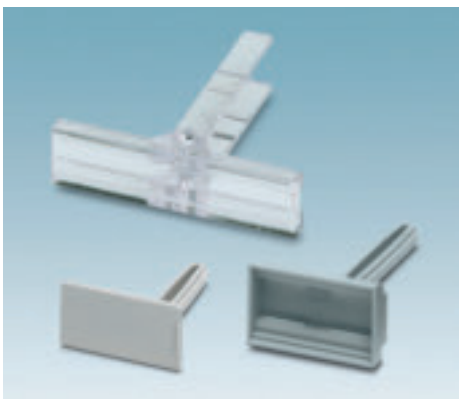
In the construction of control cabinets, the NS 15 and NS 35 rails are characterized by a high degree of dimensional accuracy and double surface tempering. They are galvanized and passivated and thus RoHS-compliant.



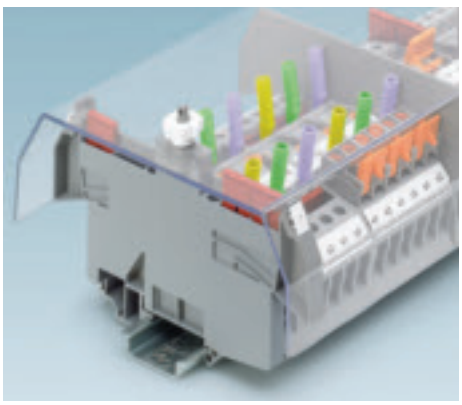
The cable clamps allow easy and safe laying of individual or bundled cables with a diameter of up to 64 mm. The halogen-free plastic pans offer an optimum tight fit as well as protection for the conductor.



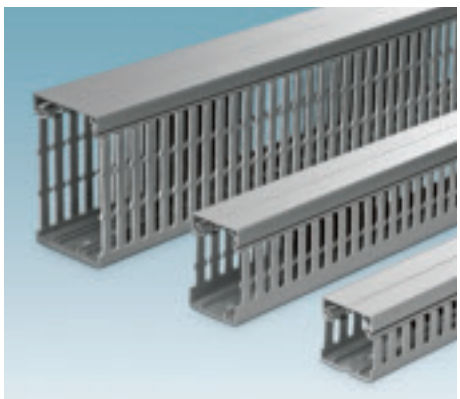
In connection with the NS 15 and NS 35 DIN rails, the end brackets provide an optimal tight fit for the components on the rails. A comprehensive range of end brackets is available for each application.



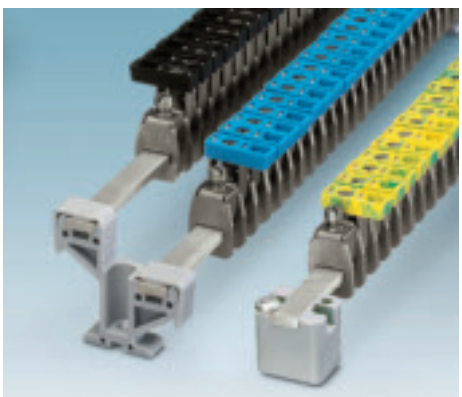
The terminal strip markers allow an easy, clear layout of the DIN rails and their components and thus facilitate assignment during the wiring and maintenance of systems.



The cover profiles serve to cover the live parts and also offer protection against the undesired operation of terminal points or disconnect terminal blocks.



The wide range of wiring channels allows the user to install cable flexibly and easily by breaking out the side bars without tools.



Phoenix Contact offers various connection terminal blocks, branch terminal blocks and power terminal blocks for busbars in switchgear.



The wide range of European terminal blocks includes terminal blocks with and without wire protection. Toolless separation of the individual positions is possible with a simple turn.



The push-in connection method of the socket terminal block series allows solid conductors or conductors with ferrules to be easily pushed into the terminal point. Low insertion forces and high pull-out forces ensure a safe connection.

DIN rails NS 15, flat design

The design of the DIN rails complies with the European standard EN 60715.

Particular attention is paid to a high degree of dimensional accuracy and surface tempering. All DIN rails are also available cut to length.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

For dimensional drawings and ordering examples, see page 705.

[1]) Please specify the desired length in millimeters when placing your order. See order example.

[2]) Please specify the desired length and bore hole when placing your order. See order example.



NS 15 ...

Unperforated



NS 15 ...

Perforated

General data							
Material		Steel			Steel		

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
DIN rail, unperforated, in accordance with EN 60715 - 15 x 5.5 mm, galvanized and thick layer passivated, supply length: 2 m							
Unperforated	Silver	**NS 15 UNPERF 2000MM**	**1401695**	5			
DIN rail, unperforated in accordance with EN 60715 - 15 x 5.5 mm, galvanized and thick layer passivated, cut to length according to customer specifications[1])	Silver	**NS 15 UNPERF/...**	**1208089**	1			
DIN rail, unperforated in acc. with EN 60715 - 15 x 5.5 mm, galvanized and thick layer passivated, cut to length acc. to customer specifications and provided with mounting holes[2])	Silver	**NS 15 UNPERF/SO/...**	**1208092**	1			
DIN rail, perforated, in accordance with EN 60715 - 15 x 5.5 mm, galvanized and thick layer passivated, supply length: 2 m							
Perforated	Silver				**NS 15 PERF 2000MM**	**1401682**	5
DIN rail, perforated in accordance with EN 60715 - 15 x 5.5 mm, galvanized and thick layer passivated, cut to length according to customer specifications[1])	Silver				**NS 15 PERF/...**	**1208102**	1
DIN rail, perforated, dimensions in acc. with EN 60715 - 15 x 5.5 mm, supply length: 2 m, **Material: aluminum**	Silver				**NS 15 AL PERF 2000MM**	**1401763**	5

DIN rails NS 35, flat design

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

For dimensional drawings and ordering examples, see page 705.

[1]) Please specify the desired length in millimeters when placing your order. See order example.

[2]) Please specify the desired length and bore hole when placing your order. See order example.



NS 35/7,5 ...

Unperforated



NS 35/ 7,5 ...

Perforated

General data

Material	Steel	Steel

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
DIN rail, unperforated, in acc. with EN 60715 - 35 x 7.5 mm, galvanized and thick layer passivated, low design, supply length: 2 m	Silver	**NS 35/ 7,5 UNPERF 2000MM**	**0801681**	5			
DIN rail, unperforated in accordance with EN 60715 - 35 x 7.5 mm, galvanized and thick layer passivated, low design, cut to length according to customer specifications[1])	Silver	**NS 35/ 7,5 UNPERF/...**	**1208115**	1			
DIN rail, unperforated in accordance with EN 60715 - 35 x 7.5 mm, galvanized and thick layer passivated, low design, cut to length according to customer specifications and provided with mounting holes[2])	Silver	**NS 35/ 7,5 UNPERF/SO/...**	**1208128**	1			
DIN rail, unperforated, dimensions in acc. with EN 60715 - 35 x 7.5 mm, galvanized, low design, supply length: 2 m	Silver	**NS 35/ 7,5 ZN UNPERF 2000MM**	**1206434**	5			
DIN rail, unperforated, dimensions in acc. with EN 60715 - 35 x 7.5 mm, low design, supply length: 2 m, **Material: copper**	copper	**NS 35/ 7,5 CU UNPERF 2000MM**	**0801762**	5			
DIN rail, unperforated, dimensions in acc. with EN 60715 - 35 x 7.5 mm, low design, supply length: 2 m, **Material: high-grade steel V2A**	Silver	**NS 35/ 7,5 V2A UNPERF 2000MM**	**0801377**	5			
DIN rail, unperforated, dimensions in acc. with EN 60715 - 35 x 7.5 mm, low design, supply length: 2 m, **Material: aluminum**	Silver	**NS 35/ 7,5 AL UNPERF 2000MM**	**0801704**	5			
DIN rail, perforated, in acc. with EN 60715 - 35 x 7.5 mm, galvanized and thick layer passivated, low design, supply length: 2 m	Silver				**NS 35/ 7,5 PERF 2000MM**	**0801733**	5
DIN rail, perforated, in accordance with EN 60715 - 35 x 7.5 mm, galvanized and thick layer passivated, low design, for cabinet width / depth of 0.8 m							
Length: 755 mm	Silver				**NS 35/ 7,5 PERF 755MM**	**1207640**	10
For cabinet width / depth of 1.0 m, supply length: 955 mm	Silver				**NS 35/ 7,5 PERF 955MM**	**1207653**	10
For cabinet width / depth of 1.2 m, supply length: 1155 mm	Silver				**NS 35/ 7,5 PERF 1155MM**	**1207666**	10
DIN rail, perforated in accordance with EN 60715 - 35 x 7.5 mm, galvanized and thick layer passivated, low design, cut to length according to customer specifications[1])	Silver				**NS 35/ 7,5 PERF/...**	**1208131**	1
DIN rail, perforated, dimensions in acc. with EN 60715 - 35 x 7.5 mm, galvanized, low design, supply length: 2 m	Silver				**NS 35/ 7,5 ZN PERF 2000MM**	**1206421**	5

DIN rails NS 35, tall design

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

For dimensional drawings and ordering examples, see page 705.

[1]) Please specify the desired length in millimeters when placing your order. See order example.

[2]) Please specify the desired length and bore hole when placing your order. See order example.



NS 35/15 ...

Unperforated



NS 35/15 ...

Perforated

General data		
Material	Steel	Steel

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
DIN rail, unperforated, in acc. with EN 60715 - 35 x 15 mm, galvanized and thick layer passivated, tall design, supply length: 2 m	Silver	**NS 35/15 UNPERF 2000MM**	**1201714**	5			
DIN rail, unperforated in accordance with EN 60715 - 35 x 15 mm, galvanized and thick layer passivated, tall design, cut to length according to customer specifications[1])	Silver	**NS 35/15 UNPERF/...**	**1208144**	1			
DIN rail, unperforated in accordance with EN 60715 - 35 x 15 mm, galvanized and thick layer passivated, tall design, cut to length according to customer specifications and provided with mounting holes[2])	Silver	**NS 35/15 UNPERF/SO/...**	**1208157**	1			
DIN rail, unperforated similar to EN 60715 - 35 x 15 mm, 1.5 mm thick, tin-plated, tall design, supply length: 2 m	Silver	**NS 35/15 ZN UNPERF 2000MM**	**1206586**	5			
DIN rail, unperforated in accordance with EN 60715 - 35 x 15 mm, 2.3 mm thick, galvanized and thick layer passivated, tall design, for universal cut, supply length: 2 m	Silver	**NS 35/15-2.3 UNPERF 2000MM**	**1201798**	5			
DIN rail, unperforated similar to EN 60715 - 35 x 15 mm, 1.5 mm thick, tall design, supply length: 2 m, **material: copper**	copper	**NS 35/15 CU UNPERF 2000MM**	**1201895**	5			
DIN rail, perforated, in acc. with EN 60715 - 35 x 15 mm, galvanized and thick layer passivated, tall design, supply length: 2 m	Silver				**NS 35/15 PERF 2000MM**	**1201730**	5
DIN rail, perforated, in accordance with EN 60715 - 35 x 15 mm, galvanized and thick layer passivated, tall design, for cabinet width / depth of 0.8 m							
Length: 755 mm	Silver				**NS 35/15 PERF 755MM**	**1207679**	10
For cabinet width / depth of 1.0 m, supply length: 955 mm	Silver				**NS 35/15 PERF 955MM**	**1207682**	10
For cabinet width / depth of 1.2 m, supply length: 1155 mm	Silver				**NS 35/15 PERF 1155MM**	**1207695**	10
DIN rail, perforated in accordance with EN 60715 - 35 x 15 mm, galvanized and thick layer passivated, tall design, supply length: 2 m, cut to length according to the customer specifications[1])	Silver				**NS 35/15 PERF/...**	**1208160**	1
DIN rail, perforated similar to EN 60715 - 35 x 15 mm, 1.5 mm thick, tin-plated, tall design, supply length: 2 m	Silver				**NS 35/15 ZN PERF 2000MM**	**1206599**	5

DIN rails NS 35 and DIN rails with cable clamps

The cable clamps help in strain relief and make it possible to lay individual or bundled cables with diameters of up to 64 mm easily and safely. The halogen-free plastic tanks provide optimum security while providing protection to the conductor at the same time.

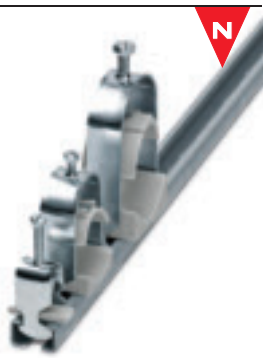
For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

For dimensional drawings and ordering examples, see page 705.



NS 35/15 AL ...

Unperforated



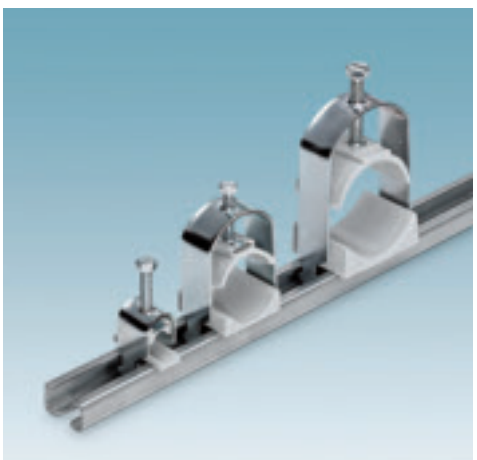
NS 30/15 PERF.2000MM

For cable clamps

Dimensions		Width	Length	Height	Width	Length	Height
	[mm]	**35**	**2000**	**15**	**30**	**2000**	**15**
General data							
Material		Aluminum			Steel		

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
DIN rail, unperforated similar to EN 60715 - 35 x 15 mm, deep-drawn, tall design, with slide nut guide, supply length: 2 m	Silver	**NS 35/15 AL UNPERF 2000MM**	**1201756**	5			
DIN rail, unperforated similar to EN 60715 - 35 x 15 mm, deep-drawn, tall design, with slide nut guide, cut to length according to customer specifications	Silver	**NS 35/15 AL UNPERF/...**	**1210213**	1			
Slide nut, for DIN rail NS 35/15-AL, for fixing devices, **material: Steel**							
M4	Silver	**GLM 4**	**1201769**	100			
M5	Silver	**GLM 5**	**1201772**	100			
M6	Silver	**GLM 6**	**1201785**	100			
DIN rails, for cable clamps					**NS 30/15 PERF.2000MM**	**3240262**	5
Cable clamp, for DIN rail							
For cable diameters of 6 - 14 mm					**WCC 14**	**3240252**	25
For cable diameters of 12 - 18 mm					**WCC 18**	**3240253**	25
For cable diameters of 18 - 22 mm					**WCC 22**	**3240254**	25
For cable diameters of 22 - 26 mm					**WCC 26**	**3240255**	25
For cable diameters of 26 - 30 mm					**WCC 30**	**3240256**	25
For cable diameters of 30 - 34 mm					**WCC 34**	**3240257**	25
For cable diameters of 34 - 38 mm					**WCC 38**	**3240258**	25
For cable diameters of 38 - 42 mm					**WCC 42**	**3240259**	25
For cable diameters of 42 - 56 mm					**WCC 56**	**3240260**	25
For cable diameters of 56 - 64 mm					**WCC 64**	**3240261**	25



Screwless end bracket for the NS 15 and NS 35 DIN rails

The CLIPFIX is characterized by its excellent fit despite having a width of only 5 mm. Moreover, it provides a "parking facility" for jumpers and test plugs.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



CLIPFIX 15



CLIPFIX 35 ...

Dimensions		Width	Length	Height
	[mm]	**5.2**	**22**	**22.6**
General data				
Material		PA		
Inflammability class acc. to UL 94		V2		

Dimensions		Width	Length	Height
	[mm]	**5.15**	**48.5**	**35**
General data				
Material		PA		
Inflammability class acc. to UL 94		V2		

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
End bracket, for snapping onto NS 15, 5.2 mm wide, labeling with ZB 5 and ZBF 5, KLM, parking facilities for bridges and test accessories	Gray	**CLIPFIX 15**	**3022263**	50
End bracket, for snapping onto NS 35, 5.15 mm wide, labeling with ZB 5, parking facility for bridges and test plugs	Gray	**CLIPFIX 35-5**	**3022276**	50
End bracket, to snap on NS 35, 9.5 mm wide, can be labeled with ZB 6, ZB 8/27, KLM...	Gray	**CLIPFIX 35**	**3022218**	50

Screw-on end bracket for NS 35 and NS 32 DIN rails

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



E/UK



E/UK 1

Dimensions		Width	Length	Height
	[mm]	**9.5**	**50.5**	**35.3**
General data				
Material		PA		
Inflammability class acc. to UL 94		V2		

Dimensions		Width	Length	Height
	[mm]	**10**	**55.5**	**50**
General data				
Material		PA		
Inflammability class acc. to UL 94		V2		

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
End bracket, to screw on, for NS 35 and NS 32, can be labeled with ZB 6, KLM, KLM-A and UBE	Gray	**E/UK**	**1201442**	50
Universal end bracket, to screw on, for NS 35 and NS 32, for supporting the ends of double level and three level terminal blocks, can be labeled with ZB 10 can be labeled with ZB 10	Gray	**E/UK 1**	**1201413**	50

Screw-on end bracket for NS 15 DIN rail

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



E/MBK



E/MK 1

Dimensions		Width	Length	Height
	[mm]	**6.1**	**22**	**11.4**
General data				
Material		PA		
Inflammability class acc. to UL 94		V2		

Dimensions		Width	Length	Height
	[mm]	**6.1**	**21.2**	**18**
General data				
Material		PA		
Inflammability class acc. to UL 94		V2		

Ordering data

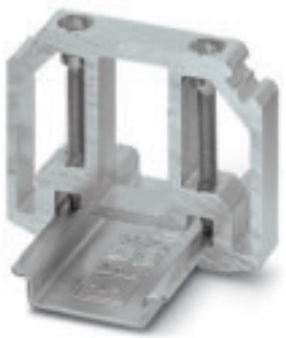
Description	Color	Type	Order No.	Pcs. / Pkt.
End bracket, to snap on NS 15, for slide-on miniature terminal blocks, can be fastened with a screw, can be labeled with KLM 1	Gray	**E/MBK**	**1401637**	100
End bracket, to screw on NS 15, 6.1 mm wide, can be fastened with a screw, can be labeled with KLM 1	Gray	**E/MK 1**	**1421659**	100

Screw-on end bracket for NS 35 DIN rail

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



E/NS 35 N



E/AL-NS 35

Dimensions		Width	Length	Height
	[mm]	**9.5**	**48.6**	**32.8**
General data				
Material		PA		
Inflammability class acc. to UL 94		V2		

Dimensions		Width	Length	Height
	[mm]	**10**	**59**	**44**
General data				
Material		Aluminum		
Inflammability class acc. to UL 94		-		

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
End bracket, to screw on NS 35, can be equipped with terminal strip marker KLM-A or ZB 8	Gray	**E/NS 35 N**	**0800886**	50
Aluminum end clamp, for screwing on, for end support of 50 - 240 mm² terminal blocks, can be labeled with ZB 10, for mounting on NS 35...	Silver	**E/AL-NS 35**	**1201662**	10

Terminal strip marking system

The KLM was developed especially for the CLIPFIX end bracket. The fine grading allows unrestricted adjustment of the height of the labeling field.

The KLM 3-L is suitable for multi-level terminal blocks and can be cut at two defined points.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



KLM 2



KLM 3...

General data			
Material		PA	PA
Inflammability class acc. to UL 94		V2	V2
Temperature range	[°C]	-40 ... 100	-40 ... 100
Components		Halogen-free	Halogen-free

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Terminal strip marker, adjustable height, for end clamp CLIPFIX ..., can be labeled with SS-ZB							
Lettering field size: 20 x 8 mm	Gray	**KLM 2**	**0807575**	100			
Terminal strip marker, adjustable height, for end clamp CLIPFIX ..., can be labeled with EML (20x8)... label or with B-STIFT or X-PEN							
	Gray				**KLM 3**	**0811969**	100
Can be cut to length	Gray				**KLM 3-L**	**0814788**	100

Terminal strip marking system

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



KLM 1



KLM

General data			
Material		ABS	ABS
Inflammability class acc. to UL 94		HB	HB
Temperature range	[°C]	-40 ... 80	-40 ... 80
Components		Free from silicone and halogen	Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Terminal strip markers, for E/MK, E/MK 1 and E/MBK end bracket, lettering field size: 24 x 4 mm							
	Transparent	**KLM 1**	**1004319**	100			
Terminal strip markers, for E/UK or CLIPFIX 35 end brackets, lettering field size: 25 x 6 mm							
	Transparent				**KLM**	**1004306**	100

Accessories

Insert strip for thermal transfer printer, 1 roll = 5,000 markers, lettering field size: 24 x 4 mm							
Lettering field size: 24 x 4 mm	White	**EMT (24X4)R**	**0816265**	1			
Lettering field size: 25 x 6 mm	White				**EMT (25X6)R**	**0817264**	1

Terminal strip marking system

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) Please specify the required marking with order.



KLM-A



UBE...

General data			
Material		ABS	PA
Inflammability class acc. to UL 94		-	V2
Temperature range	[°C]	-40 ... 80	-40 ... 100
Components		Free from silicone and halogen	Free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Terminal strip markers, for strip marking, adjustable height, for use with end clamps E/UK, E/NS 35 N or CLIPFIX 35, lettering field size: 44 x 7 mm	Transparent	**KLM-A**	**1004348**	100			
Terminal strip marker carriers, for marking terminal groups, for end bracket E/UK, lettering field: 40 x 17 mm Hood material: PE	Gray				**UBE**	**0800310**	10
Terminal strip marker carrier, for marking terminal block groups, for mounting on NS 32... or NS 35... DIN rail, lettering field size: 40 x 17 mm Hood material: PE	Gray				**UBE/D**	**0800307**	10

Accessories

Insert strip for thermal transfer printer, for terminal strip marker UBE/D or UBE Lettering field size: 40 x 17 mm, 1 roll = 2,300 labels	White				**EMT (40X17)R**	**0817293**	1
Insert strip for laser printer, perforated, for terminal strip marker KLM-A							
Lettering field size: 44 x 7 mm	White	**ESL 44X 7**	**0808244**	10			
Lettering field size: 40 x 17 mm	White				**ESL 40X17**	**0808095**	10
Special printing, insert strips, marking according to customer requirements[1])							
Lettering field size: 44 x 7 mm		**ESL 44X 7 SO:CMS**	**0814322**	1			
Lettering field size: 40 x 17 mm	White				**ESL 40X17 SO:CMS**	**0809418**	1

Angled brackets

The BG/S... brackets enable the DIN rail to be mounted with spacing or at an angle of 30°.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



BG/S ...



BG/SH ...

Dimensions		Width	Length	Height	Width	Length	Height
	[mm]	**19.7**	**87**	**35.4**	**20**	**84**	**46**
General data							
Material		Steel			Steel		

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Angled bracket, for fixing DIN rails at an angle of 30°, with M6 screw, galvanized and thick layer passivated	Silver	**BG/S**	**1201086**	10	**BG/SH**	**1201099**	10
Angled brackets, with DIN rail limit stop, for fixing DIN rails at an angle of 30°, with M6 screw, galvanized and thick layer passivated	Silver	**BG/SA**	**1201604**	10	**BG/SHA**	**1201594**	10

Flat brackets

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



BG/F



BG/F 1

Dimensions		Width	Length	Height	Width	Length	Height
	[mm]	**20**	**84**	**12**	**20**	**37**	**15**
General data							
Material		Steel			Steel		

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Flat bracket, for fixing DIN rails 12 mm above the base, with M6 screw, galvanized and thick layer passivated	Silver	**BG/F**	**1201060**	10			
Flat bracket, is screwed with DIN rails 15 mm above the base, fixing hole: 6.5 mm Ø, galvanized and thick layer passivated	Silver				**BG/F 1**	**1201112**	10

Universal adapter

The universal adapters help in fastening and accommodating electrical or electronic switching devices.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



USA 10...

Dimensions		Width	Length	Height
	[mm]	**43**	**10**	**19**
General data				
Material		PA		
Inflammability class acc. to UL 94		V2		

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Universal rail adapter, for NS 35... or NS 32... DIN rail, for accommodation of switching devices, 10 mm wide				
For M3 screws	Gray	**USA 10**	**1201578**	10
For M5 screws	Gray	**USA 10/4,6**	**1202713**	10

Mounting accessories

The supports help in protection-insulated accommodation of DIN rails.

The DIN rail end pieces are available for NS 35/7.5 and NS 35/15.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



AB/NS



NS 35/... CAP

Dimensions		Width	Length	Height
	[mm]	**38**	**35**	**21**
General data				
Material		PA		
Inflammability class acc. to UL 94		V2		

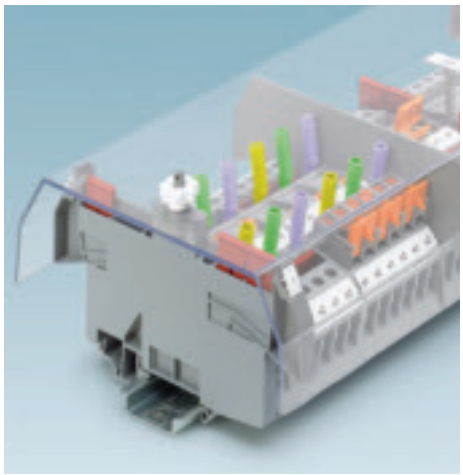
Width	Length	Height
7	**37.5**	**9**
PA		
V2		

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Support, for fixing DIN rails 21 mm above the mounting surface, with M6 screw, countersunk fixing hole 6.1 mm Ø, can also be used for protective insulation of terminal strips				
	Gray	**AB/NS**	**1201141**	10
DIN rail end piece				
for DIN rail NS 35/7,5	Gray			
	Gray			

Type	Order No.	Pcs. / Pkt.
NS 35/ 7,5 CAP	**1206560**	100
NS 35/15 CAP	**1206573**	100

Cover profiles



The AP.. cover profiles are available for protection against unauthorized actuation of terminal strips. The AP-ME cover profile is ideal for covering the ME test disconnect terminal blocks. The cover can be safely snapped onto the relevant APH-ME end clamps and optionally sealed.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



AP-ME ...

General data		
Material		PVC
Temperature range	[°C]	-15 ... 65

Ordering data

Description	Color	Type		Order No.	Pcs. / Pkt.
Cover profile, supply length 1 m	Transparent	**AP-ME**	**METER**	**3034361**	10
Cover profile, please specify the desired length in cm		**AP-ME CM**		**3034345**	1

Holder for AP-ME cover profiles

The APH-ME end clamp is for the AP-ME cover. It provides parking options for FBS ...-8 plug-in bridges and can also be sealed. The holder serves as a partition plate or an intermediate support for long terminal strips.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



APH-ME



APT-ME

General data			
Material		PA	PA
Inflammability class acc. to UL 94		V2	V2
Temperature range	[°C]	-40 ... 115	-40 ... 115

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
End brackets, for AP-ME cover profile, sealable, with storage option for plug-in bridges	Gray	**APH-ME**	**3034374**	10			
Holder, for AP-ME cover profile	Gray				**APT-ME**	**3034358**	10

Cover profiles

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) When ordering please specify the desired length in cm. Accuracy 1 mm.



AP ...



A/U / VAH

General data			
Material	PVC	Polycarbonate PC	
Inflammability class acc. to UL 94	-	V2	
Temperature range [°C]	-15 ... 65	-40 ... 115	

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Cover profile, for terminal strips, can be labeled with insert strips AP-ES, a cover profile carriers should be placed at the ends and at intervals of approx. 40 cm, maximum supply length: 1 m[1])							
Can be snapped onto cover profile carrier AP 2-TU	Transparent	**AP 2 CM**	**5022889**	1			
Can be snapped onto AP 3-TU or AP 3-TNS 35	Transparent	**AP 3 CM**	**5022876**	1			
Cover profile carrier, for mounting on NS 32 or NS 35 DIN rail, for fixing the cover profile AP, 2 mm thick, material: PA							
	Gray	**AP 2-TU**	**5022630**	50			
	Gray	**AP 3-TU**	**5022656**	50			
Sealable cover profile, for mounting on NS 35 DIN rail, for fixing the cover profile AP 3, with plastic knurled nut M5, space requirement: 13 mm							
	Gray	**AP 3-TNS 35**	**5022672**	10			
U-shaped cover, inner dimensions: 100 x 38 mm, 2 mm thick, maximum supply length: 2.05 m, also required: 2 end brackets E/UK and 2 cover holders VAH, made acc. to length specifications[1])	Transparent				**A/U CM**	**5021110**	1
Adjustable cover holder, for mounting covers (up to 3 mm thick), additional requirements: One end bracket E/UK or CLIPFIX 35, material PA	Gray				**VAH**	**1201468**	10

Accessories

Insert strips, for group marking, for sliding into the cover profile AP 2 and AP 3, cardboard, lettering field: 35 x 500 mm		**AP-ES**	**5022685**	10			

Cover profiles

The AP... cover profiles are available for protection against unauthorized actuation of terminal strips. The AP-ME cover profile is ideal for covering the ME test disconnect terminal blocks. The cover can be safely snapped onto the relevant APH-ME end clamps and optionally sealed.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



EA ...



APK ...

General data		
Material	ABS	Polycarbonate PC
Inflammability class acc. to UL 94	HB	V2
Temperature range [°C]	-40 ... 80	-40 ... 115
Components	Free from silicone and halogen	Free from silicone and halogen

Ordering data

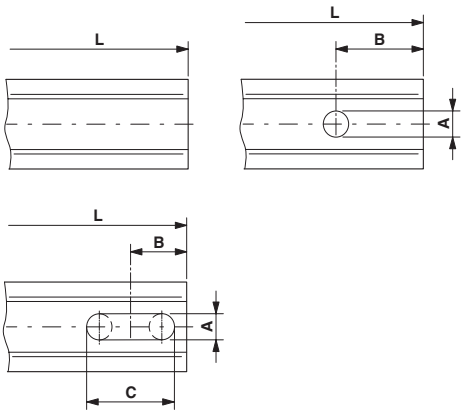
Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Single cover, for covering the UK 2,5 neutral terminal, snap fit	Transparent	**EA 4**	**0805360**	50			
Single cover, for covering the UK 3 N, UK 5 N, UK 6 N, UK 4-FSR, UK 4FS/FS,UK 4-LOER terminals, snap fit	Transparent	**EA 5**	**1024014**	100			
Single cover, for covering the UK 16 neutral terminal, snap fit	Transparent	**EA 7**	**1024250**	100			
Single cover, for covering the UK 3 N, UK 5 N, UK 6 N, UK 4-FSR, UK 4FS/FS,UK 4-LOER terminals, snap fit, black print: Lightning flash	Yellow	**EA 5-WS**	**1024085**	100			
Single cover, for covering the UK 35, UIK 35 terminal, cannot be labeled, snap fit	Transparent	**EA 11**	**1024263**	50			
Holding profile, is snapped into the cover holder APK-TU, with groove for zack marker strip **ZB 5** up to **ZB 10**, length: 2 m	Transparent				**APK 1**	**5022795**	10
Holding profile, is snapped into the cover holder APK-TU, with groove for zack marker strip **ZB 5** up to **ZB 10**, length: 2 m	Gray				**APK-HP METER**	**5022818**	2
Cover profile holder, 10 mm width, for mounting on NS 32 or NS 35, for fixing the holding profile APK-HP, can be labeled with zack marker strip **ZB 10** Material: PA	Gray				**APK-TU**	**5022805**	10

Sample configuration for NS 35/15 UNPERF/SO/...:

(minimum order 20 pieces)

When ordering 20 unperforated NS 35/15 DIN rails with 6 mm ø end holes on both sides (as 20 mm elongated holes, the hole center of which is 50 mm from the end of the rail) and a length of 550 mm, the following information must be given:

Qty	Order No.	Length in mm	Dim. A	Dim. B	Dim. C
20	1208157	550	6	50	20



Sample configuration for NS 35/7,5 UNPERF/...:

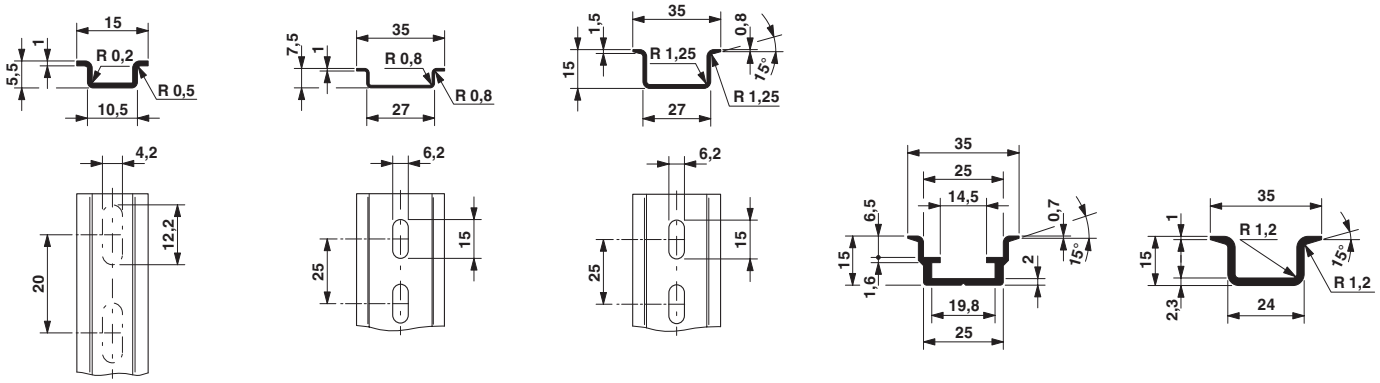
(minimum order 20 pieces)

When ordering 20 unperforated NS 35/7,5 DIN rails without end holes and with a length of 1750 mm, the following information must be given:

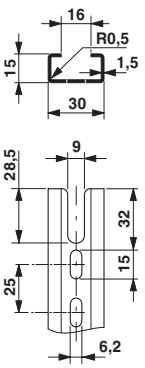
Qty	Order No.	Length in mm
20	1208115	1750

L = Length
A = Hole diameter [mm]
B = Distance between the end and the hole center [mm]
C = Length of the elongated hole [mm]
The following dimensions are possible:
Round hole: C = 0
Elongated hole: C = 10, 15, 20 or 25 mm

Dimensional drawings for DIN rails



Dimensional drawing for DIN rails



NS 30/15 PERF.

Wiring channels and accessories

The wide range of wiring channels in sizes from 25 x 25 mm to 100 x 100 mm make it possible for the user to lay cables flexibly, quickly and easily when installing the control cabinet. A predetermined breaking point on the lateral webs makes it possible to break the webs without burr and without using tools. Another predetermined breaking point in the wiring channel floor makes it possible to establish T and cross connections seamlessly and quickly. Lateral snapping on of the cover ensures easy assembly and removal as well as a secure hold even in horizontal and vertical applications.

The bars are designed such that conductors that are led out laterally can be safely fixed even without covers. The wire holding bracket can be installed at the desired height and ensures safe support to the laid cables.

The **PPS CD M wiring channel cutter** cuts channels and covers up to 125 mm width and 2.5 mm wall thicknesses burr-free and non-cutting in no time. A spring-mounted knife protection provides the necessary safety.

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



CD ...

Dimensions		Width	Length	Height
	[mm]	**25**	**2000**	**25**
Weight	[kg]	-		
Length of the measuring bar	[mm]	-		
Length of the hand lever	[mm]	-		
Wiring channels (wall thickness)	[mm]	-		
Cutting width	[mm]	-		

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Wiring channel, consisting of a **lower** and an **upper part**				
W x H: 25 x 25 mm	Gray	**CD 25X25**	**3240187**	25
W x H: 25 x 40 mm	Gray	**CD 25X40**	**3240188**	24
W x H: 25 x 60 mm	Gray	**CD 25X60**	**3240191**	30
W x H: 25 x 80 mm	Gray	**CD 25X80**	**3240197**	10
W x H: 30 x 40 mm	Gray	**CD 30X40**	**3240278**	1
W x H: 30 x 60 mm	Gray	**CD 30X60**	**3240280**	1
W x H: 30 x 80 mm	Gray	**CD 30X80**	**3240282**	1
W x H: 30 x 100 mm	Gray	**CD 30X100**	**3240283**	1
W x H: 40 x 40 mm	Gray	**CD 40X40**	**3240189**	25
W x H: 40 x 60 mm	Gray	**CD 40X60**	**3240192**	20
W x H: 40 x 80 mm	Gray	**CD 40X80**	**3240198**	10
W x H: 60 x 40 mm	Gray	**CD 60X40**	**3240190**	20
W x H: 60 x 60 mm	Gray	**CD 60X60**	**3240193**	12
W x H: 60 x 80 mm	Gray	**CD 60X80**	**3240199**	10
W x H: 60 x 100 mm	Gray	**CD 60X100**	**3240263**	8
W x H: 80 x 25 mm	Gray	**CD 80X25**	**3240281**	1
W x H: 80 x 60 mm	Gray	**CD 80X60**	**3240194**	10
W x H: 80 x 80 mm	Gray	**CD 80X80**	**3240200**	6
W x H: 80 x 100 mm	Gray	**CD 80X100**	**3240264**	8
W x H: 100 x 40 mm	Gray	**CD 100X40**	**3240279**	10
W x H: 100 x 60 mm	Gray	**CD 100X60**	**3240195**	8
W x H: 100 x 80 mm	Gray	**CD 100X80**	**3240201**	6
W x H: 100 x 100 mm	Gray	**CD 100X100**	**3240205**	6
W x H: 120 x 60 mm	Gray	**CD 120X60**	**3240196**	6
W x H: 120 x 80 mm	Gray	**CD 120X80**	**3240202**	8
Wiring channel, upper part				
For a width of 25 mm	Gray			
For a width of 40 mm	Gray			
For a width of 60 mm	Gray			
For a width of 80 mm	Gray			
For a width of 100 mm	Gray			
For a width of 120 mm	Gray			
Universal wire holding bracket, pre-perforated for wiring channel widths of 40, 60, 80 and 100 mm				
Wiring channel cutter, for cutting of wiring channels and their covers and profiles, with a metric measuring rail, cutting width 125 mm	Black			





CD COVER ...

Width	Length	Height
25	**2000**	
-		
-		
-		
-		
-		

Type	Order No.	Pcs. / Pkt.
CD COVER 25	**3240285**	14
CD COVER 40	**3240286**	14
CD COVER 60	**3240287**	10
CD COVER 80	**3240288**	10
CD COVER 100	**3240289**	6
CD COVER 120	**3240290**	6



CD WR

Width	Length	Height
-		
-		
-		
-		
-		

Type	Order No.	Pcs. / Pkt.
CD WR	**3240284**	10



PPS CD M

Wiring channel cutter

Width	Length	Height
285	**280**	**290**
10.5		
1000		
500		
2.50		
125		

Type	Order No.	Pcs. / Pkt.
PPS CD M	**1207569**	1

Neutral busbar

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



NLS-CU 3/10 SN 1000MM



NLS-CU 6/ 6 SN 1000MM

Dimensions		Width	Length	Height
	[mm]	**10**	**1000**	**3**
General data				
Material		Copper		

Width	Length	Height
6	**1000**	**6**
Copper		

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
PEN conductor busbar, 3 x 10 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A	Silver	**NLS-CU 3/10 SN 1000MM**	**0402174**	10
PEN conductor busbar, in accordance with DIN VDE 0611-4, 6 x 6 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A	Silver	**NLS-CU 6/ 6 SN 1000MM**	**0402161**	10

Supports for neutral busbars

Three supports are available for holding the busbars:
- The AB/SS for one rail
- The AB 2/SS for offset arrangement of neutral and (PE) busbars
- The lower ABN 2/SS

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



AB/SS...



AB .../SS

Dimensions		Width	Length	Height
	[mm]	**19.4**	**23.4**	**21.7**
General data				
Material		PA		
Inflammability class acc. to UL 94		V2		

Width	Length	Height
19	**23**	**36.8**
PA		
V2		

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Support, insulating material, with retaining screw, for 3 x 10 mm or 6 x 6 mm busbars	Gray	**AB/SS**	**0404428**	10
Double support, insulating material, can be optionally used for either 3 x 10 mm or 6 x 6 mm neutral busbar				
Height 36.8 mm	Gray			
Height 48 mm	Gray			

Type	Order No.	Pcs. / Pkt.
ABN 2/SS	**0404460**	10
AB2/SS	**0404431**	10

Power terminals

For more technical data, drawings and accessories, visit
www.phoenixcontact.net/eshop.



EK 116

Dimensions		Width	Length	Height	
	[mm]	**8**	**40**	**36**	
Max. electrical data		$I_{max.}$ [A]		Max. Ø [mm²]	AWG
		76		**0.5 - 16**	**20 - 6**
Rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Nominal current / cross-section	[A] / [mm²]	57 / 10	- / -	- / -	-
Connection capacity		Solid	Stranded	Ferrule	
				without / with plastic sleeve	
One conductor	[mm²]	0.5 - 16	0.5 - 10	0.5 - 16	0.5 - 10
Two conductors (of the same type)	[mm²]	0.5 - 10	0.5 - 10	0.5 - 10	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 10
General data					
Stripping length	[mm]	14			
Screw thread		M5			
Tightening torque	[Nm]	2.5 - 3			

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Power terminal block, copper, nickel-plated	Aluminum	**EK 116**	**0401010**	10

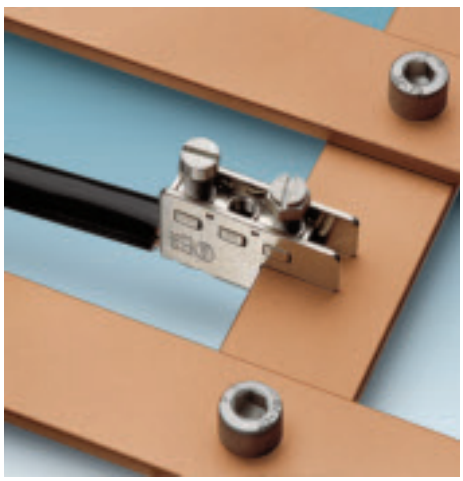


EK 135

Width	Length	Height	
12	**40**	**37**	
$I_{max.}$ [A]		Max. Ø [mm²]	AWG
125		**0.75 - 35**	**18 - 2**
IEC	UL / CUL	CSA	IEC/ EN 60079-7
125 / 35	- / -	- / -	-
Solid	Stranded	Ferrule	
		without / with plastic sleeve	
0.75 - 35	0.75 - 3	0.75 - 35	0.75 - 35
0.75 - 10	0.75 - 10	0.75 - 10	-
			0.75 - 10
14			
M6			
3.2 - 3.7			

Type	Order No.	Pcs. / Pkt.
EK 135	**0401023**	10

Branch terminal blocks



In switchgear and control gear, it is often necessary to branch flat copper busbars. The AZK 35 branch terminal block simplifies this in the following ways: the terminal block can be placed at any position on the copper bar (up to a thickness of max. 5 mm) after assembly and clamped firmly.

For more technical data, drawings and accessories, visit
www.phoenixcontact.net/eshop.



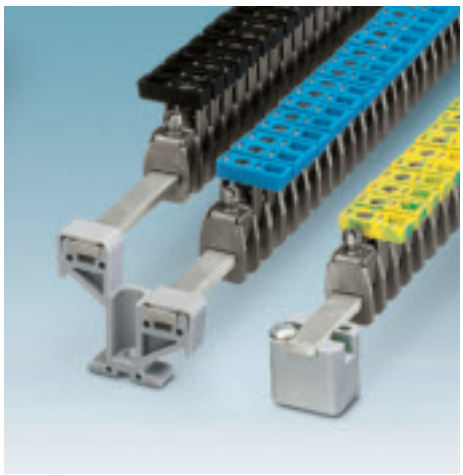
AZK 35

Dimensions		Width	Length	Height	
	[mm]	**12**	**40**	**36**	
Max. electrical data		$I_{max.}$ [A]		Max. Ø [mm²]	AWG
		125		**0.75 - 35**	**18 - 2**
Rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Nominal current / cross-section	[A] / [mm²]	125 / 35	- / -	- / -	-
Connection capacity		Solid	Stranded	Ferrule	
				without / with plastic sleeve	
One conductor	[mm²]	0.75 - 35	0.75 - 35	0.75 - 35	0.75 - 35
Two conductors (of the same type)	[mm²]	0.75 - 10	0.75 - 10	0.75 - 10	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.75 - 10
General data					
Stripping length	[mm]	15			
Screw thread		M6			
Tightening torque	[Nm]	3.2 - 3.7			

Ordering data

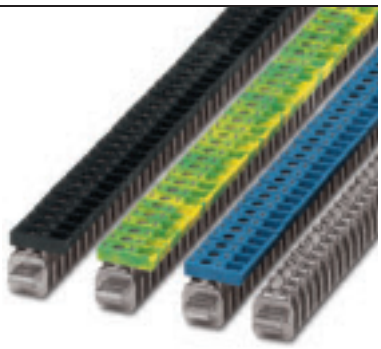
Description	Color	Type	Order No.	Pcs. / Pkt.
Branch terminal block, for connection to copper bars up to 5 mm thick	Aluminum	**AZK 35**	**0702997**	10

L/N/PE connection terminal blocks



For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

[1]) Note the current carrying capacity of the busbars.



AK... 4 ...

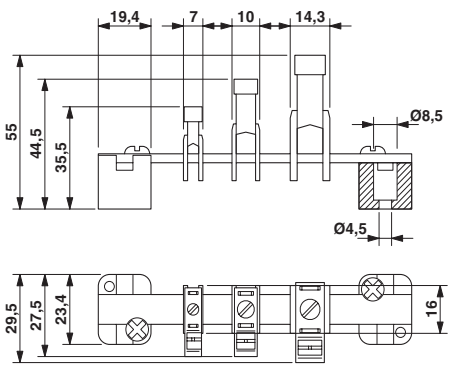
In electrical systems subject to the installation requirements stipulated in DIN VDE 0100 or IEC 60204-1 / EN 60204-1 / VDE 0113-1, neutral (N), protective earth (PE) or phase conductors (L) are often connected to central busbars. This requires clear labeling of the conductor or the terminal block to the corresponding circuit. The AKG connection terminal blocks fulfill these conditions in two ways:

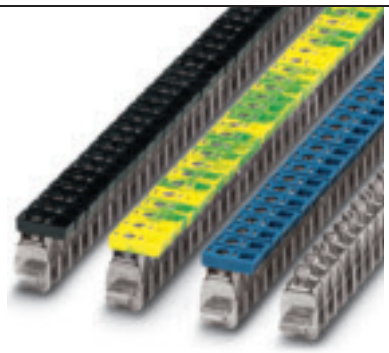
– By marking each terminal block individually
– By their blue, green-yellow or black colored housings

Dimensions		Width	Length	Height	
	[mm]	**7**	**23.5**	**26**	
Max. electrical data		$I_{max.}$ [A]		Max. Ø [mm²]	AWG
		41[1])		**0.5 - 6**	**20 - 10**
Rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	-	300	-	-
Nominal current / cross-section	[A] / [mm²]	32 / 4	20 / -	- / -	-
Rated cross-section	[mm²]	4	-	-	-
Cross-section range	AWG	20 - 10	22-12	-	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.5 - 6	0.5 - 4	0.5 - 6	0.5 - 6
Two conductors (of the same type)	[mm²]	0.5 - 2.5	0.5 - 2.5	0.5 - 2.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 2.5
General data					
Stripping length	[mm]	16			
Screw thread		M4			
Tightening torque	[Nm]	1.5 - 1.8			
Insulating material		PA			
Inflammability class acc. to UL 94		V2			

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Connecting terminal block, steel, is pushed onto neutral busbar NLS, can be marked with ZB, without insulating cap	Gray	**AK 4**	**0404017**	50
Up to 6 mm² solid, 7 mm wide	Blue	**AKG 4 BU**	**0421016**	50
Up to 6 mm² solid, 7 mm wide	Green-yellow	**AKG 4 GNYE**	**0421029**	50
Up to 6 mm² solid, 7 mm wide	Black	**AKG 4 BK**	**0421032**	50
Connecting terminal block, steel, is pushed onto neutral busbar NLS, can be marked with ZB, without insulating cap	Gray			
Up to 16 mm² solid, 10 mm wide	Blue			
Up to 16 mm² solid, 10 mm wide	Green-yellow			
Up to 16 mm² solid, 10 mm wide	Black			
Connecting terminal block, steel, is pushed onto neutral busbar NLS, can be marked with ZB, without insulating cap	Gray			
Up to 35 mm² solid, 14.3 mm wide	Blue			
Up to 35 mm² solid, 14.3 mm wide	Green-yellow			
Up to 35 mm² solid, 14.3 mm wide	Black			

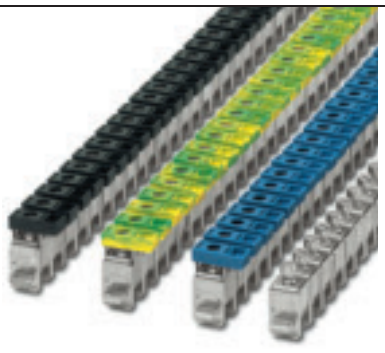




AK ... 16 ...

Width	Length	Height	
10.3	**23.5**	**35**	
$I_{max.}$ [A]		Max. Ø [mm²]	AWG
76[1])		**1.5 - 16**	**16 - 6**
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
76 / 16	- / -	- / -	-
16	-	-	-
16 - 6	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
1.5 - 16	1.5 - 16	1.5 - 16	1.5 - 16
1.5 - 6	1.5 - 6	1.5 - 6	-
			1.5 - 10
16			
M5			
2.5 - 3			
PA			
V2			

Type	Order No.	Pcs. / Pkt.
AK 16	**0404033**	50
AKG 16 BU	**0423014**	50
AKG 16 GNYE	**0423027**	50
AKG 16 BK	**0423030**	50



AK... 35 ...

Width	Length	Height	
14.3	**27**	**44**	
$I_{max.}$ [A]		Max. Ø [mm²]	AWG
125[1])		**2.5 - 35**	**14 - 2**
IEC / EN IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
125 / 35	- / -	- / -	-
35	-	-	-
14 - 2	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
2.5 - 35	2.5 - 25	2.5 - 35	2.5 - 35
1.5 - 16	1.5 - 16	1.5 - 16	-
			1.5 - 10
16			
M6			
3.2 - 3.7			
PA			
V2			

Type	Order No.	Pcs. / Pkt.
AK 35	**0404046**	50
AKG 35 BU	**0424013**	50
AKG 35 GNYE	**0424026**	50
AKG 35 BK	**0424039**	50

Europe terminal blocks



For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.

For more variants, see www.phoenixcontact.de/eshop.



EC 2,5 P TR

The Europe terminal blocks EC... P TR for conductors of up to 16 mm² are equipped with wire protection and are thus suitable even for fine strand conductors without ferrules. The insulating housing consists of halogen-free polyamide (PA). The high-quality metal parts with their corrosion-resistant surfaces are safely fixed in this housing.

Dimensions		Width	Length	Height	
	[mm]	**16.2**	**93.6**	**13.4**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		24	**450**	**0.5 - 2.5**	**20 - 14**
Rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	450	300	-	-
Nominal current / cross-section	[A] / [mm²]	24 / 2.5	20 / -	- / -	-
Rated cross-section	[mm²]	2.5	-	-	-
Cross-section range	AWG	20 - 14	22-12	-	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.5 - 2.5	0.5 - 2.5	0.5 - 1.5	0.5 - 1
Two conductors (of the same type)	[mm²]	0.5 - 0.75	0.5 - 0.75	-	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5
General data					
Stripping length	[mm]	5			
Screw thread		M2,6			
Tightening torque	[Nm]	0.4 - 0.5			
Insulating material		PA			
Inflammability class acc. to UL 94		V2			

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Europe terminal block, 12-pos., with wire protection	Transparent	**EC 2,5 P TR**	**3240167**	10



EC 4 P TR

Width	Length	Height	
18.6	**117**	**15**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
32	**450**	**0.75 - 4**	**18 - 12**
IEC	UL / CUL	CSA	IEC/ EN 60079-7
450	300	-	-
32 / 4	30 / -	- / -	-
4	-	-	-
18 - 12	20-10	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
0.75 - 4	0.75 - 4	0.5 - 2.5	0.5 - 2.5
0.75 - 1.5	0.75 - 1	0.5 - 1	- 0.5 - 1
6			
M3			
0.5 - 0.6			
PA			
V2			

Type	Order No.	Pcs. / Pkt.
EC 4 P TR	**3240171**	10



EC 6 P TR

Width	Length	Height	
22.2	**132.7**	**17.3**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
41	**450**	**1 - 6**	**16 - 10**
IEC	UL / CUL	CSA	IEC/ EN 60079-7
450	300	-	-
41 / 6	50 / -	- / -	-
6	-	-	-
16 - 10	14-8	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
1 - 6	1 - 6	0.75 - 4	0.75 - 4
0.75 - 2.5	0.75 - 1.5	0.75 - 1.5	- 0.5 - 1
7			
M3,5			
0.8 - 1			
PA			
V2			

Type	Order No.	Pcs. / Pkt.
EC 6 P TR	**3240175**	10



EC 16 P TR

Width	Length	Height	
25.2	**173.9**	**20.8**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
76	**450**	**6 - 16**	**10 - 6**
IEC	UL / CUL	CSA	IEC/ EN 60079-7
450	300	-	-
76 / 16	55 / -	- / -	-
16	-	-	-
10 - 6	10-6	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
6 - 16	6 - 16	1.5 - 10	1.5 - 10
1.5 - 4	2.5 - 4	1.5 - 2.5	- 0.75 - 2.5
8			
M4			
1.2 - 1.5			
PA			
V2			

Type	Order No.	Pcs. / Pkt.
EC 16 P TR	**3240182**	10

Europe terminal blocks

The Europe terminal blocks EC ...(BK) are suitable for solid and stranded conductors of up to 25 mm². Their prismatic clamping part ensures easy conductor entry such that even the conductors without ferrules are contacted safely.

The insulating housing consists of polypropylene and enables toolless disconnection of individual positions with a simple circular movement. The high-quality metal parts with their corrosion-resistant surfaces have been safely fixed in the housing.



EC 4 ...



EC 6 ...

Dimensions		Width	Length	Height		Width	Length	Height	
	[mm]	**16.6**	**94.9**	**13**		**18.9**	**116.5**	**14.9**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG	$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		32	**450**	**0.5 - 4**	**20 - 12**	**41**	**450**	**0.75 - 6**	**18 - 10**
Rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7	IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	450	-	-	-	450	-	-	-
Nominal current / cross-section	[A] / [mm²]	32 / 4	- / -	- / -	-	41 / 6	- / -	- / -	-
Rated cross-section	[mm²]	4	-	-	-	6	-	-	-
Cross-section range	AWG	20 - 12	-	-	-	18 - 10	-	-	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.5 - 4	0.5 - 4	0.75 - 2.5	0.75 - 2.5	0.75 - 6	0.75 - 6	0.75 - 4	0.75 - 2.5
Two conductors (of the same type)	[mm²]	0.5 - 1	- 1	-	-	0.75 - 1.5	0.75 - 1.5	0.5 - 1	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5				0.5 - 1
General data									
Stripping length	[mm]	5				6			
Screw thread		M2,6				M3			
Tightening torque	[Nm]	0.4 - 0.5				0.5 - 0.6			
Insulating material		PP				PP			
Inflammability class acc. to UL 94		-				-			

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Europe terminal block, 12-pos.	White	**EC 4**	**3240168**	10	**EC 6**	**3240172**	10
	Black	**EC 4 BK**	**3240169**	10	**EC 6 BK**	**3240173**	10



EC 10 ...

Width	Length	Height	
17.3	**133.8**	**23.4**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
57	**450**	**1 - 10**	**16 - 8**
IEC	UL / CUL	CSA	IEC/ EN 60079-7
450	-	-	-
57 / 10	- / -	- / -	-
10	-	-	-
16 - 8	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
1 - 10	1 - 10	1.5 - 6	1.5 - 4
1 - 2.5	1.5 - 2.5	0.75 - 1.5	-
			0.5 - 1.5
7			
M3,5			
0.8 - 1			
PP			
-			

Type	Order No.	Pcs. / Pkt.
EC 10	**3240176**	10
EC 10 BK	**3240177**	10



EC 16 ...

Width	Length	Height	
20.7	**174.5**	**25**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
76	**450**	**1.5 - 16**	**14 - 6**
IEC	UL / CUL	CSA	IEC/ EN 60079-7
450	-	-	-
76 / 16	- / -	- / -	-
16	-	-	-
14 - 6	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
1.5 - 16	2.5 - 16	2.5 - 10	2.5 - 10
2.5 - 4	2.5 - 4	1.5 - 2.5	-
			1 - 4
8			
M4			
1.2 - 1.5			
PP			
-			

Type	Order No.	Pcs. / Pkt.
EC 16	**3240179**	10
EC 16 BK	**3240180**	10



EC 25 ...

Width	Length	Height	
30	**187.3**	**28**	
$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
101	**750**	**10 - 25**	**8 - 4**
IEC	UL / CUL	CSA	IEC/ EN 60079-7
750	-	-	-
101 / 25	- / -	- / -	-
25	-	-	-
8 - 4	-	-	-
Solid	Stranded	Ferrule without / with plastic sleeve	
10 - 25	10 - 25	4 - 16	4 - 10
4 - 6	4 - 6	2.5 - 4	-
			1.5 - 6
9			
M5			
2 - 3			
PP			
-			

Type	Order No.	Pcs. / Pkt.
EC 25	**3240183**	10
EC 25 BK	**3240184**	10

Socket terminal blocks



For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



JBC 2,5 ...

Thanks to their push-in connection method, the socket terminal blocks in the 3, 5 and 8-pos. variants from Phoenix Contact enable toolless wiring in minimum space. Solid single-strand conductors with cross-sections from 0.5 mm² to 2.5 mm² and solid multi-strand conductors (7 litz wires) with cross-sections from 1.5 mm² to 2.5 mm² can be safely connected. Different cross-sections can thus be wired in one socket terminal block.

The transparent housing facilitates visual inspection of the terminal points, thus increasing wiring safety. Integrated test openings enable the use of wired test devices.

Dimensions		Width	Length	Height	
	[mm]	**17.2**	**15.6**	**8.9**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	Max. Ø [mm²]	AWG
		24	**450**	**0.5 - 2.5**	**20 - 14**
Rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	450	600	-	-
Nominal current / cross-section	[A] / [mm²]	24 / 2.5	20 / -	- / -	-
Rated cross-section	[mm²]	2.5	-	-	-
Cross-section range	AWG	20 - 14	20-16	-	-
Connection capacity		Solid	Stranded	Ferrule without / with plastic sleeve	
One conductor	[mm²]	0.5 - 2.5	-	-	-
General data					
Stripping length	[mm]	8			
Insulating material		PC/PA			
Inflammability class acc. to UL 94		V2			

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Plug-in terminal block, 3-pos.	Transparent	**JBC 2,5/3**	**3240164**	100
5-pos.	Transparent	**JBC 2,5/5**	**3240165**	100
8-pos.	Transparent	**JBC 2,5/8**	**3240166**	50

PKB cable ties

Cable ties have been used for years for binding control lines and cables. The PKB cable ties can also be used for internal and external industrial applications under unfavorable conditions.

They are ideal for fixing cables and as an accessory for the cable markers WMTB, KMK 2 and KMK 4 from Phoenix Contact.

They are available in two designs:

– Transparent, for standard applications and
– Resistant to ultra-violet rays (black), for outdoor systems

For more technical data, drawings and accessories, visit www.phoenixcontact.net/eshop.



PKB ...

General data		
Material		PA
Inflammability class acc. to UL 94		V2
Temperature range	[°C]	-40 ... 85

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Cable binder, transparent				
Bundle Ø: 1.5-22 mm, tensile strength 80 N	Transparent	**PKB 100X2,5**	**1005457**	1000
Bundle Ø: 1.5-35 mm, tensile strength 178 N	Transparent	**PKB 140X3,6**	**1005460**	1000
Bundle Ø: 1.5-48 mm, tensile strength 222 N	Transparent	**PKB 190X4,8**	**1005473**	1000
Bundle Ø: 1.5-50 mm, tensile strength 80 N	Transparent	**PKB 200X2,5**	**1005486**	1000
Bundle Ø: 1.5-76 mm, tensile strength 222 N	Transparent	**PKB 290X4,8**	**1005499**	1000
Bundle Ø: 1.5-102 mm, tensile strength 222 N	Transparent	**PKB 370X4,8**	**1005509**	1000
Cable tie, resistant to UV rays, Black				
Bundle Ø: 1.5-22 mm, tensile strength 80 N	Black	**PKB 100X2,5 BK**	**1005512**	1000
Bundle Ø: 1.5-35 mm, tensile strength 178 N	Black	**PKB 140X3,6 BK**	**1005525**	1000
Bundle Ø: 1.5-48 mm, tensile strength 222 N	Black	**PKB 190X4,8 BK**	**1005538**	1000
Bundle Ø: 1.5-50 mm, tensile strength 80 N	Black	**PKB 200X2,5 BK**	**1005541**	1000
Bundle Ø: 1.5-76 mm, tensile strength 222 N	Black	**PKB 290X4,8 BK**	**1005554**	1000
Bundle Ø: 1.5-102 mm, tensile strength 222 N	Black	**PKB 370X4,8 BK**	**1005567**	1000

Quality in quantity



Integrated management system

The objective of the Phoenix Contact integrated management system is to coordinate all the requirements for products, processes and organization.

The legal and regulatory requirements, as well as those of international standards and our customers are fulfilled and even in some cases exceeded in all phases of the product life cycle.

The integration of quality, environmental protection and safety in the workplace in the Phoenix Contact management system is monitored each year for conformity by independent bodies with worldwide recognition. The certifications in accordance with the international standards ISO 9001, ISO 14001 and BS OHSAS 18001 are the result of our corporate philosophy of meeting the needs of our customers, staff, and the environment as best as possible. They serve as the basis for innovative products with the familiar high Phoenix quality standard, environmental protection consciousness in active practice and responsibility in the field of work safety. Of course, we integrate all further requirements of standards, international approvals or special customer demands into the company processes as well.

The result of this system is a building block for the success of the Phoenix Contact Group and of our products and services.

CE marking

The CE marking was introduced as an important instrument for the free movement of goods and services within the European domestic market. By attaching the marking to a product, the manufacturer confirms that it complies with all applicable European Union (EU) directives that apply to this product. EC directives describe the product properties with respect to device safety and avoidance of dangers. These are legally binding regulations of the European Union (EU). In other words, compliance with the requirements is a **statutory condition for marketing the article within the EU**.

Where applicable, the products that our company currently manufactures fall within the scope of the following directives:

- 2006/95/EC Electrical equipment for application within specific voltage limits (low-voltage directive)
- 2004/108/EC Electromagnetic compatibility (EMC directive)
- 98/37/EC or 2006/42/EC Safety of machinery (machinery directive)
- 94/9/EC Devices and protective systems for use in potentially explosive areas (ATEX 100a directive)
- 1999/5/EC Radio systems and telecommunications termination equipment (R&TTE)

The standards upon which the specified directives are based have long been a constituent part of our standards for development. This guarantees conformance with European directives. Our products are inspected in conformance with the standards at a test laboratory accredited in accordance with DIN EN ISO/IEC 17025. The inspection reports are recognized Europe-wide as part of an accreditation procedure.

The EMC directive occupies a special place among the above-mentioned European directives. It defines electromagnetic compatibility for the first time as a fundamental property of devices based on legally binding guidelines. European jurisprudence therefore acknowledges the significance of the electromagnetic compatibility of devices and systems as an important condition for trouble-free operation of machines and systems. As one of the leading international companies in the industrial surge-protection market, Phoenix Contact has broad expertise in EMC matters. This expertise and experience, gained over years of developing and applying industrial interface and communications technology, have led to our products having an extremely high quality standard with respect to their electromagnetic compatibility. In order to provide other companies with this expertise as well, the associate company Phoenix Testlab was founded. Phoenix Testlab GmbH is an independent, accredited service company offering EMC testing in conformity with the European standards. At Phoenix Testlab, devices are also tested for their electrical safety, mechanical influences and their behavior with environmental influences. Furthermore, Phoenix Testlab is a "Notified Body" in accordance with the EMC directive 2004/108/EC and the R&TTE directive 1999/5/EC for radio systems and telecommunications termination equipment. As a "Telecom Certification Body" (TCB), Phoenix Testlab is allowed to release these products for the markets in the USA, Canada and Japan as well.

Standards and regulations

All relevant standards and regulations are used as a basis for the development and improvement of our products.

International standards are subject to continuous changes as a result of harmonization and new developments. To do justice to this process, the current state of all standards relevant to our products is documented on the Internet at **www.phoenixcontact.com**.

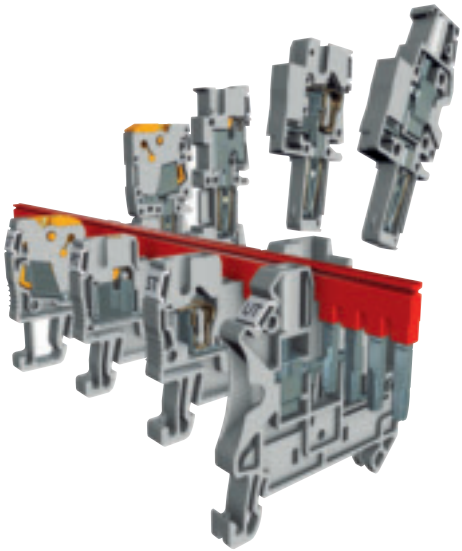
Online product information service in the World Wide Web

The product range of Phoenix Contact is continuously being expanded.

Due to our commitment to product monitoring, all products are subject to improvements.

The Internet is an ideal platform to quickly communicate innovations and product improvements to the market.

At www.phoenixcontact.com you will find quick access to the various country websites of Phoenix Contact. There, you can always get a current overview of the products, solutions and services from Phoenix Contact. This includes technical documents such as data sheets and manuals, current drivers and demo software as well as direct contact with the relevant contact person.



Modular terminal blocks from Phoenix Contact stand for compact and high-performance electrical connections. High quality physical properties and advanced industrial standards ensure connections with long-term stability. The high quality is demonstrated by recognized tests which are summarized in national and international standards.

In accordance with the modular terminal block standards IEC 60947-7-1/ -2/-3 and UL 1059, these tests include:

Mechanical tests
- Connection capacity of conductors
- Mechanical resistance of terminal points
- Bending test (flexion test) for the firm fit of conductors
- Conductor pull-out test
- Firm fit of the modular terminal block

Electrical tests
- Air and creepage distances
- Surge voltage test
- Voltage drop test
- Temperature-rise test
- Short-time current resistance
- Insulation test

Material tests
- Aging test
- Needle flame test

The modular terminal blocks from Phoenix Contact clearly exceed the standard requirements thanks to the relevant design-related measures and the use of high-quality materials.

Beyond the modular terminal block standard, the modular terminal blocks are subjected to tests that allow use in all industries such as power supply, traffic engineering and process engineering especially in the chemical and petrochemical fields or in shipbuilding.

The modular terminal blocks undergo the following industry-specific standard tests.

Shock and vibration tests
- Broadband noise as per DIN EN 61373 / 50155
- Shock test as per IEC 60068-2-27
- Vibration test as per IEC 60068-2-6

Inflammability characteristics of plastics
- Inflammability classification as per UL 94
- Surface inflammability as per ASTM E 162
- Inflammability characteristics as per NF F 16-101
- Smoke gas development as per ASTM E 662
- Smoke gas toxicity as per SMP 800 C
- Halogen-free flame protection as per DIN EN ISO 1043-4
- Glow wire test as per IEC 60695-2-11

Environmental testing methods
- Temperature shock test as per DIN EN 60352 T4
- Corrosion test as per DIN 50018
- Salt spray as per IEC 60068-2-11/-52
- Storage in aggressive atmospheres as per IEC 60068-2-42/43

Terminal blocks of the base series are certified according to the ATEX and IECEX standards and can thus be used in potentially explosive Ex e areas as well.

SCCR – Short-Circuit Current Rating

As per the NEC (National Electrical Code), the immunity to short-circuiting must be specified for industrial controllers since April 2006. These SCCR (Short-Circuit Current Rating) values can be calculated with the help of the UL 508A; in the USA, these must be specified on the power rating plate of every industrial switchgear in a summarized form for all main circuits as well as for the control voltage supply. The UL 508A – table SB 4.1 mentions the standard values for non-specified components. Here, a value of 10 kA is assumed for modular terminal blocks. Phoenix Contact offers numerous products with considerably higher SCCR values. The modular terminal blocks of the CLIPLINE complete system are uniformly documented with SCCR values of 100 kA.

Phoenix Contact modular terminal blocks have been used in all industries for many decades. Their excellent electrical and mechanical properties qualify them for these applications. The resistance of the modular terminal blocks to environmental influences and the long-term stability of the materials used are of great importance. The quality of Phoenix Contact has particularly proven itself here. High-quality materials guarantee long-term reliability.

The aforementioned test methods are described in detail in the brochures.

Competence in connection technology
CLIPLINE quality

Can be ordered under the number:
5166127 German
5176670 English



Competence in connection technology
CLIPLINE quality

Note:

Subject to modifications in the interest of technical progress.

Modular terminal blocks for potentially explosive areas



Phoenix Contact offers an extensive range of Ex-approved connection technology for process engineering. As a result of the high-quality contact and insulation materials, these modular terminal blocks are especially suitable for rough, potentially explosive industrial applications. The modular terminal blocks from Phoenix Contact which have been approved for the potentially explosive areas are mainly standard terminal blocks. Apart from the usual approvals, they have an IECEX and ATEX certificate of one of the testing centers (KEMA, PTB, SEE...) authorized by the EU in accordance with the IEC/EN 60079-7 standard.

For modular terminal blocks from Phoenix Contact, it is therefore not necessary to differentiate between Ex and non-Ex terminal blocks in storage. These offer several clear advantages:

Protection type EX e

The modular terminal blocks listed on the Internet page specified below fulfill the requirements for the "Increased Safety" Ex e degree of protection, taking into account the installation instructions. They are thus approved for installation in zone 2 and particularly in zone 1, i.e. in the actual Ex area. The latter, however, only on the condition that the terminal blocks are accommodated in connection boxes which are also approved for the Ex e protection type and have at least the IP54 degree of protection.

The available Ex e-approved modular terminal blocks can be divided into the following groups:

- Screw connection terminal blocks
- Spring-cage connection terminal blocks
- Push-in connection terminal blocks
- Fast connection terminal blocks
- Mini terminal blocks
- Terminal blocks for special applications

Protection type EX i

No extra approval is required in applications of protection type Intrinsic Safety "i"; in addition to the Ex e-approved terminal blocks, other standard terminal blocks can also be used here taking into account the air and creepage distances as well as the distances through rigid insulation as per IEC/EN 600079-11.

Detailed information on modular terminal blocks in the Ex "e" and "i" areas is available on the Internet at:

www.phoenixcontact.de (D)
www.phoenixcontact.com (EN)

in the "Product catalog / EShop" menu as a download for the approved items.

Here, you will find:

- Technical data as per IEC/EN 60079
- Approved accessories and
- Important installation instructions and schematic diagrams

General information on Ex protection can be found on the Internet under the "Branches and Applications" menu, for instance in the "Chemical Industry" or "Oil & Gas Industry" menu item.

Marking

The explosion-protected items must be marked such that they can be used correctly in accordance with their safety properties. Marking of the items is described in the harmonized IEC/EN 60079 standard. Marking is mandatory for modular terminal blocks with the "increased safety" protection type.



ATEX directive 94/9/EC

Manufacturers or trademarks	
Address of the manufacturer	D-32823 Blomberg
Number of the notified body	0344
Marking of the EU	
Device group	II
Device category	2
Use in atmospheres	
Gas and/or	G
Dust	D

Standard marking as per EN/IEC 60079-0 for increased safety "e"

Manufacturers or trademarks	
Type designation	UT 2,5...
Abbreviation for explosion protection	Ex
Protection type	e
Device group	II
Code of the notified body	KEMA
Certificate no.	04ATEX2048U
Year of issue	04
Directive identification	ATEX
Processing no.	2048
Code for components	U

Overview of the certifying bodies and safety marks

National certifying bodies and certification procedures		Country code
CB scheme	IECEE-CB scheme (in combination with a certifier)	International
CCA	CENELEC certification agreement (CCA inspection report) (in combination with a certifier)	EU
	Canadian Standards Association (CSA)	CA
	Underwriters Laboratories Inc. (UL)	US
	Underwriters Laboratories Inc. (UL) - UL approval for Canada -	CA
	Underwriters Laboratories Inc. (UL) combination logo - UL approval for USA and Canada -	US CA
	Elektromontaz	PL
	INSIEME PER LA QUALITA'E LA SICUREZZA	IT
	Gosudarstvenne Komitet Standartov (GOST)	RU
KEMA KEUR	KEMA Nederland B.V.	NL
ÖVE	Österreichischer Verband für Elektrotechnik	AT
SABS	South African Bureau of Standards	ZA
ESTI SEV	Eidgenössisches Starkstrominspektorat (ESTI) electrosuisse SEV Verband für Elektro-, Energie- und Informationstechnik	CH
DVE VDE	Verband Deutscher Elektrotechniker e.V. (VDE) – Approval of drawings – Reports with production monitoring	DE
	Landesgewerbeanstalt Bayern	DE
BG GS	Berufsgenossenschaft (BG) GS tested safety	DE
TÜV	TÜV Rheinland/Berlin-Brandenburg	DE
TÜV NORD	TÜV Nord	DE

Certifying bodies for explosion protection		Country code
FM APPROVED	FM approvals	US
KEMA	KEMA Quality B.V.	NL
PTB	Physikalisch-Technische Bundesanstalt (PTB - National Metrology Institute)	DE
	Société Nationale de Certification et d'Homologation	LU
VTT	VTT Technical Research Centre of Finland	FI
	Nemko AS (Head Office) - Norway	NO
	União Certificadora	BR
	Underwriters Laboratories Inc. (UL)	US
	FTZU - Fyzikalne technicky zkusebni ustav (CZ)	CZ

Ship classification bodies		Country code
	Bureau Veritas	FR
GL	Germanischer Lloyd AG	DE
Lloyds Register	Lloyd's Register of Shipping	GB
ClassNK	Nippon Kaiji Kyokai	JP
DNV	Det Norske Veritas	NO
	Polski Rejestr Statków	PL
	Russian Maritime Register of Shipping	RU
KR	Korean Register of Shipping	KR
ABS	American Bureau of Shipping	US

Quality features of insulation materials

Thermoplastics

The majority of our insulating housings are made of thermoplastic materials. Roughly speaking, these can be divided into amorphous and semi-crystalline substances. Thermoplastics are processed using the economical and environmentally sound injection molding process. They can be easily recycled and re-used. A large number of differently modified materials meet the high requirements of electrical and electronic modules, devices and systems as regards their mechanical, thermal and electrical properties. This thermoplastic is halogen free, i.e. there is no formation of combustion fumes that can lead to corrosive condensation alone or in conjunction with humidity. Furthermore, it does not contain any silicone compounds, formaldehyde, PCB or PCT.

Behavior of plastics under the influence of temperature (operating temperatures)

All plastics undergo a process referred to as thermal aging when they are subjected to the influence of heat over long periods. This process causes changes in the mechanical and electrical properties of the material. External influences, e.g. radiation, additional mechanical, chemical or electrical strains reinforce this effect. Special tests on samples can yield characteristic data which allow an effective comparison between different plastics. However, applying these characteristics to an evaluation of molded plastic parts is only possible to a limited extent and can only give the designer a rough guide when it comes to selecting a plastic material. The IEC 60947-7-1/ EN 60947-7-1 determines a permissible temperature increase of 45 K for modular terminal blocks with nominal load. Phoenix Contact terminal blocks fulfill this requirement.

Inflammability characteristics of plastics (UL 94)

The inflammability tests for plastics were defined by Underwriters Laboratories (USA) in the UL 94 regulations. This applies to all usage ranges, in particular electrical engineering. Inflammability of the plastic material was examined in the test laboratory in a horizontal or vertical test with a naked flame. In the order of increasing resistance to combustion, the evaluation classes are HB, V1, V2, V0. The test results are listed in the so-called "Yellow Cards" and are published yearly in the **Recognized Component Directory.**

Thermoplastics: non-reinforced polyamide, PA

We use the modern, semi-crystalline polyamide insulation material, which has now become an essential component in electrical engineering and electronics. It has long occupied a leading position and is approved by the relevant approval offices such as CSA, KEMA, PTB, SEV, UL, VDE, etc.

Polyamide also has excellent electrical, mechanical, chemical and other properties even at high operating temperatures. Brief peak temperatures up to approximately 200°C are permissible as a result of heat aging stabilization. Depending on the type (PA 4.6, 6.6, 6.10 etc.) its melting point lies in the range of 215 °C to 295 °C.

Polyamide absorbs moisture from its surroundings, on an average 2.8%. However, this moisture is not in the form of crystallization water in the plastic itself, but chemically bonded H_2O groups in the molecule structure. This makes the plastic flexible and resistant to breakage, even at temperatures as low as -40°C. PA belongs to the inflammability class V2 to V0 as per UL 94.

Thermoplastics: glass fiber reinforced polyamide, PA-F

Fiber reinforced polyamides are characterized by great rigidity and hardness as well as operating temperatures even higher than those of the non-reinforced material. They are therefore also suitable for use in the field of surge protection for instance.

Reinforced polyamide absorbs less moisture than the non-reinforced polyamide. Otherwise, their properties are identical to a large extent. As per UL 94, fiber-reinforced polyamide has an inflammability class of HB to V0; V0 materials are usually only available in black.

Thermoplastics: ABS

We use the thermoplastic molding compound ABS for products which must have good impact and notched impact properties in addition to high mechanical stability and rigidity. The products are resistant to chemicals and stress cracking due to their special surface quality and hardness.

The characteristic thermal properties provide good dimensional stability at both low and high temperatures. Products made of ABS can be coated with metallic surfaces, e.g. nickel.

The inflammability class of the molding compound used is HB to V0 in accordance with UL 94.

Thermoplastics: polyvinyl chloride PVC

PVC is resistant to salt solutions, diluted and concentrated alkalis as well as to most of the diluted and concentrated acids up to the oleum-containing sulfuric acid and concentrated nitric acid.

PVC is difficult to ignite without fire retardant treatment (B1 as per DIN 4102 to UL 94 V0).

Properties	Unit/stage	Polyamide PA	Polyamide PA	Polyamide PA-GF	Polyamide PA-GF	Polycarbonate PC-GF
Continuous operating temperature, DIN IEC 60216	°C	≤130	≤125	120	120	130
Minimum temperature (without mech. load)	°C	-60	-60	-60	-60	-60
Dielectric strength, IEC 60243-1/ DIN VDE 0303-21	kV/cm	600	600	330	400	300
Creep resistance, IEC 60112 / DIN VDE 0303-1	CTI...	600	600	550	475	175
Tropical and termite resistance		Good	Good	Good	Good	Good
Specific contact resistance, IEC 60093/VDE 0303-30; IEC 60167/VDE 0303-31	Ω cm	10^{12}	10^{12}	10^{12}	10^{12}	$> 10^{14}$
Surface resistance, IEC 60093/VDE 0303-30; IEC 60167/VDE 0303-31	W	10^{10}	10^{10}	10^{12}	10^{12}	$> 10^{14}$
Inflammability class as per UL 94		V0	V2	V0	HB	V0

Insulation coordination for electrical equipment in low-voltage systems

Dimensioning of air and creepage distances as per DIN EN 60664-1/ VDE 0110-1.

This part of the standard based on IEC 60664 contains specifications for the insulation coordination of items in low-voltage systems. This part is applicable for items to be used at a height of up to 2000 m above sea level. This basic safety standard is primarily aimed at technical committees, and if suitable product directives are not available for an item, it can be used at one's own responsibility. The international and European product standards cited in this catalog contain specifications for the insulation coordination in conformity with DIN EN 60664/VDE 0110-1.

Insulation coordination

Insulation coordination includes the selection of electrical insulation properties for items as regards the intended applications and ambient conditions. Separate requirements must be applied for air and creepage distances and for rigid insulation. Surge voltages to be expected, characteristic values of surge protection devices and pollution at the intended site must be considered when measuring the clearances. Clearances are measured according to the external or internal surge voltages to be expected. Different surge voltages, grouped in categories, i.e. a value that determines an impulse withstand voltage, directly determine the required clearance. These surge voltage categories (I to IV) are mainly based on a statistical study and are used for items that are directly supplied from low-voltage networks. Definitions of individual categories are included in the following table as an extract of DIN EN 60664/VDE 0110-1.

The clearances can be calculated according to table 2 (minimum clearances) depending on the homogeneity level of the field between the electrodes (case A – non-homogenous field, case B – homogenous field).

Clearances in accordance with case A are capable of resisting the allocated surge voltages under all conditions. Items that are dimensioned according to case A can therefore be used without further testing. Values of clearances as per case B are based on ideal conditions. Clearances that fall between case A and case B require proof from a surge voltage test.

Voltages applied, properties of insulation materials, pollution to be expected and safety measures against pollution are considered when calculating the creepage distances.

Effect due to pollution is considered when determining the air and creepage distance values according to three intensity levels (pollution degree 1 to 3).

The creepage distance is based on the rated voltage that is derived from the working voltage or the nominal mains voltage. In table 4, the minimum creepage distances are allocated to the rated voltages according to the pollution degree.

If the product descriptions do not contain any additional specifications, the products listed in this catalog are dimensioned for surge voltage category III and pollution degree 3 according to this regulation (DIN EN 60664-1/VDE 0110-1).

Surge voltage categories I to IV

– Items of **surge voltage category IV** can be used at the terminal point of the installation
  Note: Examples of such items are electricity meters and primary overcurrent protection devices
– Items of **surge voltage category III** can be used in fixed installations and are intended for cases which have special requirements for the reliability and availability of the items
  Note: Examples of such items are switches in fixed installations and items for industrial use with permanent connection to the fixed installation
– Items of **surge voltage category II** are power consuming items that are supplied from the fixed installation
  Note: Examples of such items are household appliances, portable tools, other domestic appliances and similar devices
– Items of **surge voltage category I** can be connected to circuits where measures have been taken to limit the surge voltages to a suitably low value

Pollution degrees 1 to 4

The following four pollution degrees have been defined for the micro-environment in order to determine air and creepage distances:

– **Pollution degree 1**
  No contamination or only dry, non-conductive contamination is present. The contamination has no influence
– **Pollution degree 2**
  Only non-conductive contamination is present. Occasional temporary conductivity due to condensation must however be reckoned with
– **Pollution degree 3**
  Conductive contamination or dry, non-conductive contamination is present which becomes conductive, since condensation is expected.
– **Pollution degree 4**
  Continuous conductivity is present; this can be caused by conductive dust, rain or water.

Insulation material

DIN EN 60664/VDE0110-1 classifies insulation materials in four groups depending on their CTI values that were obtained using solution A as per IEC 60112. These are:

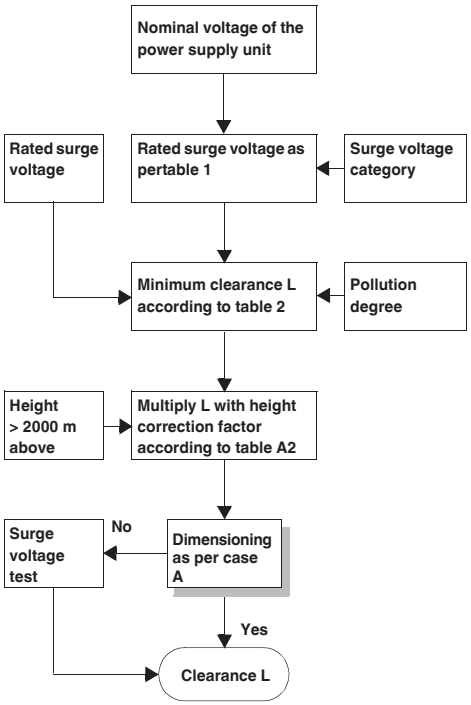
Insulation material group I: $600 \leq CTI$
Insulation material group II: $400 \leq CTI < 600$
Insulation material group IIIa: $175 \leq CTI < 400$
Insulation material group IIIb: $100 \leq CTI < 175$

The comparative tracking index of the creepage distance must be defined according to suitable samples using test solution A as specified in DIN IEC 60112.

The proof tracking index of creepage distance (PTI) is used as a proof of the creepage current properties of insulation materials.

Dimensioning of clearances

Diagram to determine the clearances



Rated surge voltages for items that are directly supplied from the low-voltage network (extract from table 1)

Nominal voltage of the power supply system [1] (mains) as per IEC 60038 [3] [V]		Conductor to neutral conductor voltage derived from the nominal alternating voltage or nominal direct voltage up to and including	Rated surge voltage [2] [V]			
			Surge voltage category [4]			
Three-phase	Single-phase	[V]	I	II	III	IV
	120 to 240	50	330	500	800	1500
		100	500	800	1500	2500
		150	800	1500	2500	4000
230/400 277/480		300	1500	2500	4000	6000
400/690		600	2500	4000	6000	8000
1000		1000	4000	6000	8000	12000

[1]) Refer to appendix B for application in existing deviating low-voltage networks and their nominal voltages.

[2]) Items with this impulse rated surge voltage may be used in systems in conformity with IEC 60364-4-443.

[3]) The slash, i.e. /, indicates a three phase 4-wire system. A lower value indicates the conductor-neutral conductor voltage, whereas a higher value indicates the conductor-conductor voltage. When only one value is specified, it refers to three-phase 3-wire systems, and indicates the conductor-conductor voltage.

[4]) Refer to 2.2.2.1.1 for the explanation of surge voltage categories.

Minimum clearances for surge voltages (extract from table 2)

Necessary impulse withstand voltage [1] [5]	Condition A Non-homogeneous field (refer to 1.3.15)			Condition B Homogeneous field (refer to 1.3.14)		
	Pollution degree [6]			Pollution degree [6]		
	1 [mm]	2 [mm]	3 [mm]	1 [mm]	2 [mm]	3 [mm]
0.33 [2])	0.01	0.2 [3]) [4])	0.8 [4])	0.01	0.2 [3]) [4])	0.8 [4])
0.40	0.02			0.02		
0.5 [2])	0.04			0.04		
0.60	0.06			0.06		
0.80 [2])	0.10			0.10		
1.0	0.15			0.15		
1.2	0.25	0.25		0.2		
1.5 [2])	0.5	0.5		0.3	0.3	
2.0	1.0	1.0	1.0	0.45	0.45	
2.5 [2])	1.5	1.5	1.5	0.6	0.6	
3.0	2.0	2.0	2.0	0.8	0.8	
4.0 [2])	3	3	3	1.2	1.2	1.2
5.0	4	4	4	1.5	1.5	1.5
6.0 [2])	5.5	5.5	5.5	2	2	2
8.0 [2])	8	8	8	3	3	3
10	11	11	11	3.5	3.5	3.5
12 [2])	14	14	14	4.5	4.5	4.5
15	18	18	18	5.5	5.5	5.5
20	25	25	25	8	8	8
25	33	33	33	10	10	10
30	40	40	40	12.5	12.5	12.5
40	60	60	60	17	17	17
50	75	75	75	22	22	22
60	90	90	90	27	27	27
80	130	130	130	35	35	35
100	170	170	170	45	45	45

[1]) This voltage is:
– For function insulation: the highest surge voltage to be expected for the clearance
– For basic insulation, if influenced directly or considerably by transient surge voltages from the low-voltage network:the rated surge voltage of the item
– For other basic insulation: the highest surge voltage possible in the circuit

[2]) Preferred values

[3]) For PCBs, the values of pollution degree 1 are applicable, except that no deviation below the value of 0.04 mm is permitted, as determined in table 4

[4]) Minimum clearances for pollution degrees 2 and 3 are based on the endurance of the corresponding creepage distances that is reduced due to the effects of humidity

[5]) Values can be interpolated for parts or circuits within items that are subjected to surge voltages

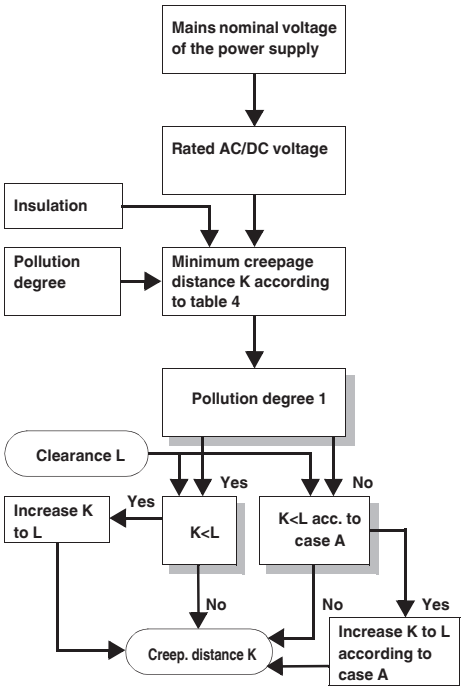
[6]) The distances for pollution degree 4 are equal to those for pollution degree 3, except that the minimum clearance is 1.6 mm

Height correction factors (extract from table A.2)

Height in m	Normal air pressure in kPa	Multiplication factor for gaps
2000	80.0	1.00
3000	70.0	1.14
4000	62.0	1.29
5000	54.0	1.48
6000	47.0	1.70
7000	41.0	1.95
8000	35.5	2.25
9000	30.5	2.62
10000	26.5	3.02
15000	12.0	6.67
20000	5.5	14.50

Dimensioning of the creepage distances

Diagram to determine the creepage distances



Single-phase 3 or 2-wire AC or DC voltage systems (extract from table 3a)

Nominal voltage of the power supply system (mains) *)	Voltages for table 4	
	For insulation Cond.-Cond. [1] All systems	For insulation Cond.-Ground [1] 3-wire systems Center point grounded
[V]	[V]	[V]
12.5	12.5	–
24 25	25	–
30	32	–
42 48 50 **)	50	–
60	63	–
30-60	63	32
100 **)	100	–
110 120	125	–
150 **)	160	–
220	250	–
110-220 220-240	250	125
300 **)	320	–
220-440	500	250
600 **)	630	–
480-960	1000	500
1000 **)	1000	–

[1]) Conductor-ground insulation levels for non-grounded systems or systems grounded through impedance correspond to conductor-conductor insulation levels because the operating voltage of every conductor to ground can, in practice, reach the conductor-conductor voltage. This is due to the fact that the actual voltage to ground is determined by the insulation resistance and the capacitive reactance of each conductor to ground. A low (but permissible) insulation resistance of a conductor can thus practically ground it and raise the other two to conductor-conductor voltage to ground.
*) Refer to 2.2.1 for correlation with the rated voltage.
**) These values correspond to the values in table 1.

Three-phase 4 or 3-wire AC voltage systems (extract from table 3b)

Nominal voltage of the power supply system (mains) *)	Voltages for table 4		
	For conductor-conductor insulation All systems	Insulation for conductor- Three-phase 4-wire systems with grounded neutral conductor [2]	Three-phase 3-wire systems, grounded [1] or conductor grounded
[V]	[V]	[V]	[V]
60	63	32	63
110/120/127	125	80	125
150 **)	160	–	160
208	200	125	200
220/230/240	250	160	250
300 **)	320	–	320
380/400/415	400	250	400
440	500	250	400
480/500	500	320	500
575	630	400	630
600 **)	630	–	630
660/690	630	400	630
720/830	800	500	800
960	1000	630	1000
1000 **)	1000	–	1000

[1]) Conductor-ground insulation level for non-earthed systems or systems earthed through impedance correspond to conductor-conductor insulation levels because the operating voltage of every conductor to earth can, in practice, reach the conductor-conductor voltage. This is due to the fact that the actual voltage to ground is determined by the insulation resistance and the capacitive reactance of each conductor to ground. A low (but permissible) insulation resistance of a conductor can thus practically ground it and raise the other two to conductor-conductor voltage to ground.
[2]) For items designed for use in three-phase 4-wire and three-phase 3-wire systems, grounded as well as non-grounded, only the values for 3-wire systems may be used.
*) Refer to 2.2.1 for correlation with the rated voltage.
**) These values correspond to the values in table 1.

Creepage distances to prevent failures occurring due to creepage (extract from table 4)

Voltage[1]) True r.m.s. value	Minimum creepage distances								
	Printed circuits Pollution degree		Pollution degree						
	1	2	1	2			3		
	All insulation material groups	All insulation material groups except IIIb	All insulation material groups	Insulation material group			Insulation material group		
				I	II	III	I	II	III [2])
[V]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
10	0.025	0.04	0.08	0.40	0.40	0.40	**1.00**	**1.00**	**1.00**
12.5	0.025	0.04	0.09	0.42	0.42	0.42	**1.05**	**1.05**	**1.05**
16	0.025	0.04	0.10	0.45	0.45	0.45	**1.10**	**1.10**	**1.10**
20	0.025	0.04	0.110	0.48	0.48	0.48	**1.20**	**1.20**	**1.20**
25	0.025	0.04	0.125	0.50	0.50	0.50	**1.25**	**1.25**	**1.25**
32	0.025	0.04	0.140	0.53	0.53	0.53	**1.30**	**1.30**	**1.30**
40	0.025	0.04	0.16	0.56	0.80	1.10	**1.4**	**1.6**	**1.8**
50	0.025	0.04	0.18	0.60	0.85	1.20	**1.5**	**1.7**	**1.9**
63	0.040	0.63	0.20	0.63	0.90	1.25	**1.6**	**1.8**	**2.0**
80	0.063	0.10	0.22	0.67	0.95	1.3	**1.7**	**1.9**	**2.1**
100	0.100	0.16	0.25	0.71	1.00	1.4	**1.8**	**2.0**	**2.2**
125	0.160	0.25	0.28	0.75	1.05	1.5	**1.9**	**2.1**	**2.4**
160	0.250	0.40	0.32	0.80	1.1	1.6	**2.0**	**2.2**	**2.5**
200	0.400	0.63	0.42	1.00	1.4	2.0	**2.5**	**2.8**	**3.2**
250	0.560	1.00	0.56	1.25	1.8	2.5	**3.2**	**3.6**	**4.0**
320	0.750	1.60	0.75	1.60	2.2	3.2	**4.0**	**4.5**	**5.0**
400	1.000	2.00	1.00	2.00	2.8	4.0	**5.0**	**5.6**	**6.3**
500	1.300	2.50	1.30	2.50	3.6	5.0	**6.3**	**7.1**	**8.0**
630	1.800	3.20	1.8	3.2	4.5	6.3	**8.0**	**9**	**10.0**
800	2.400	4.00	2.4	4.0	5.6	8.0	**10.0**	**11**	**12.5**
1000	3.200	5.00	3.2	5.0	7.1	10	**12.5**	**14**	**16.0**
1250			4.2	6.3	9	12.5	**16**	**18**	**20**
1600			5.6	8	11	16	**20**	**22**	**25**
2000			7.5	10	14	20	**25**	**28**	**32**
2500			10	12.5	18	25	**32**	**36**	**40**
3200			12.5	16	22	32	**40**	**45**	**50**
4000			16	20	28	40	**50**	**56**	**63**
5000			20	25	36	50	**63**	**71**	**80**
6300			25	32	45	63	**80**	**90**	**100**
8000			32	40	56	80	**100**	**110**	**125**
10000			40	50	71	100	**125**	**140**	**160**

[1]) This voltage is
a) for function insulation: the operating voltage
b) for base insulation and additional insulation of a circuit supplied directly from the low-voltage network: either the voltage selected from table 3a or 3b on the basis of the rated voltage of the items or the rated insulation voltage;
c) for base and additional insulation of systems, items and internal circuits which are not supplied directly from the mains: the highest true r.m.s. value of the voltage that, within the bounds of the rated data, can occur in the system, the items or the internal circuit, when supplied with rated voltage and in the case of an unfavorable combination of operating conditions.

[2]) In the case of pollution degree 3, insulation material group IIIb is not recommended for use if voltages are greater than 630 V.

Connection cross-section

The rated cross-section of modular terminal blocks must be specified by the manufacturer in acc. with IEC 60947-7-1. This is the maximum conductor cross-section which can be connected in single, multi or fine strand versions and which relates to specific thermal, mechanical and electrical requirements.

The manufacturer must also specify the **rated connection capacity**, i.e. the area of the conductor that can be connected, as well as the number of conductors that can be connected simultaneously and the necessary preparation of the conductor end. The conductors can be **solid (single or multi-strand)** or stranded **(fine strand)**.

These values can be found in the product-specific technical data.

The rated connection capacity of the Phoenix Contact modular terminal blocks usually exceeds the standard requirements, which specify that only one conductor with one of the two next smaller cross-sections - apart from the rated cross-section - must be connectable (standardized for the cross-section range of 0.2 to 35 mm²).

Moreover, conductors with the rated cross-section, which mostly have ferrules, can be wired using plastic sleeves.

Phoenix Contact modular terminal blocks are designed to allow copper conductors to be always connected to them without any special treatment. "Special treatment" or the use of ferrules – both are permissible in accordance with the IEC 60947-7-1 – is not necessary. Should ferrules be used for stranded conductors as protection against splicing, the connection capacity of the stranded conductors will generally be reduced by one level.

Connection of aluminum conductors

When connecting aluminum conductors, a thin, non-conductive oxide film forms during the stripping process itself. This must be broken in order to establish a conductive and gas-tight connection.

Phoenix Contact's UT and UKH series screw terminal blocks are suitable for one or two-sided connection of aluminum conductors. If an aluminum conductor is used, the screw in the clamping part of the screw terminal block must be tightened with the maximum permissible tightening torque of the respective modular terminal block.

In order to ensure a safe contact, it is necessary to take the following measures:

- The oxide film on the conductor end must be removed using a clean wire brush and
- Must be immediately dipped in acid- and alkali-free, i.e. neutral, petroleum jelly
- The installation location must be protected against humidity and aggressive atmospheres in the best possible manner
- The pretreatment must be repeated when connecting the conductors anew

Structure and dimensions of connecting cables

Cross section	Single strand		Multi-strand		Fine strand		American Wire Gauge [AWG]						
								Solid wires			Stranded wires	
[mm²]	Diameter Max. dimension	Number of wires	Diameter Max. dimension	Number of wires (minimum number)	Diameter Max. dimension	Number of wires (rec. value)	Gauge no. AWG	[∅ mm]	[circ. miles]	[mm²]	[∅ mm]	[circ. miles]	[mm²]
0.2	0.5	1	-	-	-	-	24	0.51	404	0.21	-	-	-
0.5	0.9	1	1.1	7	1.1	16	20	0.81	1022	0.52	0.97	1111	0.56
0.75	1.0	1	1.2	7	1.3	24	18	1.02	1620	0.82	1.16	1600	0.82
1	1.2	1	1.4	7	1.5	32	(17)	1.15	2050	1.04			
-	-	-	-	-	-	-	16	1.29	2580	1.31	1.50	2580	1.32
1.5	1.5	1	1.7	7	1.8	30	(15)	1.45	3260	1.65			
-	-	-	-	-	-	-	14	1.63	4110	2.08	1.85	4100	2.09
2.5	1.9	1	2.2	7	2.3	50	(13)	1.83	5180	2.63			
-	-	-	-	-	-	-	12	2.05	6530	3.31	2.41	6500	3.32
4	2.4	1	2.7	7	2.9	56	(11)	2.30	8230	4.17			
-	-	-	-	-	-	-	10	2.59	10380	5.26	2.95	10530	5.37
6	2.9	1	3.3	7	3.9	84	(9)	2.91	13100	6.63			
-	-	-	-	-	-	-	8	3.26	16510	8.37	3.73	16625	8.48
10	3.7	1	4.2	7	5.1	80	(7)	3.67	20800	10.56	4.15	20820	10.55
-	-	-	-	-	-	-	6	4.12	26240	13.30	4.67	26250	13.39
16	4.6	1	5.3	7	6.3	126	(5)	4.62	33100	16.77	5.24	33100	16.77
-	-	-	-	-	-	-	4	5.19	41740	21.15	5.90	41650	21.24
25	-	-	6.6	7	7.8	196	3	5.83	52600	26.67	6.61	52630	26.67
35	-	-	7.9	7	9.2	276	2	6.54	66360	33.62	7.42	66150	33.74
-	-	-	-	-	-	-	1	7.35	83690	42.41	8.33	83706	42.69
50	-	-	9.1	19	11	396	1/0	8.25	105600	53.51	9.35	104640	53.36
70	-	-	11	19	13.1	360	2/0	9.27	133100	67.44	10.52	132300	67.47
95	-	-	12.9	19	15.1	475	3/0	10.40	167800	85.03	11.79	172500	87.98
-	-	-	-	-	-	-	4/0	11.08	211600	107.22	13.26	210400	107.30
120	-	-	14.5	37	17	608	250 kcmil			127	14.62	250000	127.00
150	-	-	16.2	37	19	756	300 kcmil			152	16.00	300000	152.00
185	-	-	18	37	21	925	350 kcmil			177	17.30	350000	177.00
240	-	-	20.6	61	24	1224	500 kcmil			253	20.66	500000	253.00
300	-	-	23.1	61	27	1525	600 kcmil			304			
400	-	-	26.1	61	31	-							

Current carrying capacity

The regulation IEC 60947-7-1/ EN 60947-7-1/DIN VDE 0611-1 defines the test currents specified in the adjacent table for the individual conductor cross-sections. The corresponding currents are listed in the connection data of the individual terminal blocks. They form the basis for the type test of modular terminal blocks.

Test currents in acc. with IEC 60947-7-1/EN 60947-7-1, table 5

Rated cross- section	[mm²]	0.2	0.5	0.75	1.0	1.5	2.5	4	6	10	16
Test current	[A]	4	6	9	13.5	17.5	24	32	41	57	76

Rated cross- section	[mm²]	25	35	50	70	95	120	150	185	240	300
Test current	[A]	101	125	150	192	232	269	309	353	415	520

Tightening torque of terminal block screws

IEC 60947-1/EN 60947-1, modified, table 4 specifies tightening torques for screw connections based on the type and size of the screws for electrical and mechanical type tests. This torque lends a safe connection of the conductors to be connected to Phoenix Contacts terminal blocks. The technical product data in this catalog indicates a practical tightening torque range – deviating from this value – that allows gas-tight contacts with long-term stability.

Extract from IEC 60947-1/EN 60947, table 4

The torque in accordance with IEC/EN and the tightening torque recommended for Phoenix Contact terminal blocks are specified.

Head screw with a slot

Thread	Torque	Recommended tightening torque	
		CuZn or CuSn screw	Steel screw
	[Nm]	[Nm]	[Nm]
M 2.5 (M 2.6)	0.4	0.6	0.8
M 3	0.5	0.8	1.0
M 3.5	0.8	1.2	–
M 4	1.2	1.8	2.0
M 5	2.0	3	4.5
M 6	2.5	4	8

Conductor pull-out forces

In practice, tractive forces can affect the conductor and put a strain on the clamping point during wiring or operation. Correctly wired modular terminal blocks must therefore offer a high degree of mechanical safety in order to be able to keep the conductor intact.

To test the tensile load capacity of a terminal point, the terminal point must withstand a given cross-section-dependent tractive force for over 60 seconds as per IEC 60999. (see table)

As per IEC 60947-1, this test is conducted in connection with the bending test. Performing these two tests directly one after the other intensifies the requirements.

The test results for Phoenix Contact's modular terminal blocks are much beyond the required minimum values.

Conductor pull-out forces as per IEC 60999 / EN 60999 / VDE 0609-1, table III (up to 35 mm²)

Conductor cross-section		Tractive force
[mm²]	AWG/kcmil	[N]
0.2 –	24 22	10 20
0.5 0.75	20 18	20 30
1.0 1.5	– 16	35 40
2.5 4.0	14 12	50 60
6.0 10	10 8	80 90
16 25	6 4	100 135
– 35	3 2	156 190
– 50	1 0	236 236
70 95	00 000	285 351
– 120	0000 250	427 427
150 185	300 350	427 503
– 240	400 500	503 578
300	600	578

DIN rails

DIN rails/protective conductor busbars
Extract from IEC 60947-7-2/EN 60947-7-2/DIN EN 60947-7-2/VDE 0611-3

Phoenix Contact type	Rail profile	Material	Immunity to short-circuiting ≙ E CU conductor [mm²]*	Short-time currentresistance 1 s [kA]	Max. permissible thermal nominal current for PEN function [A]
NS 15 UNPERF 2000MM	DIN rail as per EN 60715 – 15 x 5.5	Steel	10	1.2	* *
NS 15 PERF 2000MM	DIN rail as per EN 60715 – 15 x 5.5	Steel	10	1.2	* *
NS 15-AL PERF 2000MM	DIN rail, dimensions as per EN 60715 – 15 x 5.5	Aluminum	16	1.92	76
NS 32 UNPERF 2000MM	G-profile rail, as per EN 60715 – G 32	Steel	35	4.2	* *
NS 32 PERF 2000MM	G-profile rail, as per EN 60715 – G 32	Steel	35	4.2	* *
NS 32-CU/35 QMM UNPERF 2000MM	G-profile rail, dimensions as per EN 60715 – G 32	Copper	120	14.4	269
NS 32-CU/120 QMM UNPERF 2000MM	G-profile rail, similar to EN 60715 – G 32	Copper	150	18.0	309
NS 35/7,5 UNPERF 2000MM	DIN rail, as per EN 60715 – 35 x 7.5	Steel	16	1.92	* *
NS 35/7,5 PERF 2000MM	DIN rail, as per EN 60715 – 35 x 7.5	Steel	16	1.92	* *
NS 35/7,5 ZN UNPERF 2000MM	DIN rail, similar to EN 60715 – 35 x 7.5	Steel	16	1.92	* *
NS 35/7,5 ZN PERF 2000MM	DIN rail, similar to EN 60715 – 35 x 7.5	Steel	16	1.92	* *
NS 35/7,5 V2A UNPERF 2000MM	DIN rail, similar to EN 60715 – 35 x 7.5	Steel	16	1.92	* *
NS 35/7,5-CU UNPERF 2000MM	DIN rail, similar to EN 60715 – 35 x 7.5	Copper	50	6.0	150
NS 35/7,5-AL UNPERF 2000MM	DIN rail, similar to EN 60715 – 35 x 7.5	Aluminum	35	4.2	125
NS 35/15-2.3 UNPERF 2000MM	DIN rail, as per EN 60715 – 35 x 15	Steel	50	6.0	* *
NS 35/15 UNPERF 2000MM	DIN rail, similar to EN 60715 – 35 x 15	Steel	25	3.0	* *
NS 35/15 PERF 2000MM	DIN rail, similar to EN 60715 – 35 x 15	Steel	25	3.0	* *
NS 35/15 ZN UNPERF 2000MM	DIN rail, similar to EN 60715 – 35 x 15	Steel	25	3.0	* *
NS 35/15 ZN PERF 2000MM	DIN rail, similar to EN 60715 – 35 x 15	Steel	25	3.0	* *
NS 35/15-CU UNPERF 2000MM	DIN rail, similar to EN 60715 – 35 x 15	Copper	95	11.4	232
NS 35/15-AL UNPERF 2000MM	DIN rail, similar to EN 60715 – 35 x 15	Aluminum	70	8.4	192

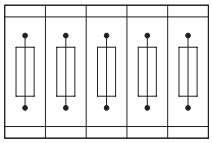
* Cross-sections calculated as per IEC 60439-1 / EN 60439-1 / DIN EN 60439-1 / VDE 0660-500.
* * Protective conductor busbars made of steel are not permissible for PEN function.

Color designations

Color	Letter code
White	WH
Red	RD
Blue	BU
Green	GN
Yellow	YE
Gray	GY
Brown	BN
Orange	OG
Black	BK
Turquoise	TQ
Ivory	IV
Beige	BE
Olive	OL

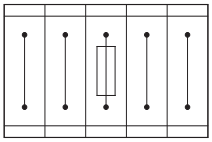
Technical information on fuse terminal blocks

Arrangement with interconnected fuse terminal blocks



Block consisting of five fuse terminal blocks

Arrangement with individual fuse terminal block



Block consisting of one fuse terminal block and four feed-through terminal blocks

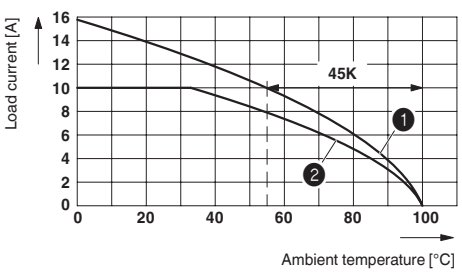
Attention:
The cartridge fuse holders should be selected according to the maximum power dissipation (self-heating) of the cartridge fuse inserts. The thermal conditions in closed fuse holders should be tested according to the application and installation.
Higher ambient temperatures
are an additional strain on fuse inserts. In applications of this kind, the shift of the rated current should be taken into consideration accordingly.

Max. power dissipation at 23°C (based on DIN EN 60947-7-3: 2003-7)
When selecting cartridge fuse inserts, make sure that the max. power dissipation mentioned below is not exceeded. In this regard, contact the fuse manufacturers for the specifications.

Cartridge fuse inserts 5 x 20 mm, based on DIN EN 60947-7-3:2003-7

Terminal block or connector	U [V]	Overload protection		Exclusive short-circuit protection		$I_{max.}$ [A]
		Individual	Interconnected	Individual	Interconnected	
P-FU 5 x 20	250	1.6 W	1.6 W	4.0 W	2.5 W	6.3
UT 4-HESI (5 x 20)	250	1.6 W	1.6 W	4.0 W	2.5 W	6.3
ST 4-HESI (5 x 20)	250	1.6 W	1.6 W	4.0 W	2.5 W	6.3
ZFK 6-DREHSI (5 x 20)	250	4.0 W	2.5 W	4.0 W	4.0 W	6.3
DT 6/2,5-DREHSI (5 x 20)	250	4.0 W	2.5 W	4.0 W	4.0 W	10
QTC 2,5-HESI (5 x 20)	250	1.6 W	1.6 W	4.0 W	2.5 W	6.3
UK 10-DREHSI	250	4.0 W	2.5 W	4.0 W	4.0 W	10
USIG with ST-SI	500	2.5 W	2.5 W	4.0 W	4.0 W	10
UK-SI	250	1.6 W	1.6 W	4.0 W	2.5 W	6.3
UK 5-HESI	500	1.6 W	1.6 W	4.0 W	1.6 W	6.3
UKK 5-HESI (5 x 20)	400	2.5 W	1.6 W	4.0 W	2.5 W	6.3
UK 4-TG with ST-SI-UK 4	250	1.6 W	1.6 W	4.0 W	1.6 W	6.3
Cartridge fuse inserts 6.3 x 32 mm, based on DIN EN 60947-7-3:2003-7						
UT 6-HESI (6.3 x 32)	400	2.5 W	2.5 W	4.0 W	2.5 W	10
ST 4-HESI (6.3 x 32)	400	2.5 W	2.5 W	4.0 W	2.5 W	10
ZFK 6-DREHSI (6.3 x 32)	500	2.5 W	2.5 W	4.0 W	2.5 W	10
UK 10-DREHSI	400	2.5 W	2.5 W	4.0 W	2.5 W	10
USIG with ST1-SI	500	2.5 W	2.5 W	4.0 W	2.5 W	10
UK 6,3-HESI	500	2.5 W	1.6 W	4.0 W	2.5 W	10
UKK 5-HESI (6.3 x 32)	400	2.5 W	1.6 W	4.0 W	2.5 W	10

Base curve and derating curve, test setup, ambient temperature



❶ = base curve
❷ = derating curve

In order to define the current carrying capacity of pluggable modular terminal blocks, arrangements with different numbers of positions are selected; these are electrically connected in series with conductors having the same cross-section. For the practical determination of the derating curves, the current carrying capacity of the pluggable modular terminal blocks is determined as per DIN EN 60512-5-1. Here, the maximum temperature rise occurring for the test object is measured with a load of different current strengths (e.g. 10 A, 17.5 A, 24 A and 32 A) and after setting the temperature balance.

When the upper temperature limit of the insulation material – here, always assumed to be 100°C – is taken into account, these values yield a current carrying capacity curve dependent on the ambient temperature: the "base curve".

An adjusted capacity curve – the "derating curve" – is generated in accordance with DIN EN 60512-5-2. In conformity with this standard, the permissible load current is 0.8 times the respective base current. The reduction factor "takes into account manufacturing tolerances in the contact system of connectors as well as uncertainties in the temperature measurement and in the measuring arrangement". Derating curves for 2, 5, 10 and 15-pos. arrangements are specified for most of the items of this part of the catalog.

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