

## DK Cable junction boxes

1.5 up to 240 mm<sup>2</sup>, IP 54-67

- Solid, modern and user-friendly design
- Halogen-free, silicone-free
- Stainless steel quick fastening screws
- Accessories included in the box
- FIXCONNECT® screwless-type terminals up to 4 mm<sup>2</sup>
- Boxes for extra applications



**DK Cable junction boxes are VDE tested in accordance with the international standard IEC 60670-22**

**DK Cable junction boxes conform to the RoHS Directive 2002/95/EC, refer to technical data.**



### with FIXCONNECT® plug-in technology for copper conductors

from 1.5 up to 16 mm<sup>2</sup>

IP 65/IP 55

cable entry via metric knockouts

page 13



### with or without terminals

from 1.5 up to 240 mm<sup>2</sup>

IP 65/IP 55

cable entry via metric knockouts

- with terminals for copper conductors

- without terminals

pages 15 - 19

pages 20 - 21



### box walls without knockouts

from 1.5 up to 50 mm<sup>2</sup>

IP 65

box walls without knockouts, can be drilled individually for customized requirements

- without terminals

- without terminals, for electrical equipment up to 63 A

- Accessories

pages 23 - 24

pages 25 - 26

pages 27 - 28



### cable entry via metric knockouts and stepped grommets STM

from 1.5 up to 50 mm<sup>2</sup>

IP 55

- without terminals

pages 30 - 31



### cable entry via metric knockouts for armoured cables or conduit entries

from 1.5 up to 35 mm<sup>2</sup>

IP 65

- without terminals

- with terminals for copper conductors

page 33

pages 34 - 35



### cable entry via elastic membranes and integrated M20 thread

up to 4 mm<sup>2</sup>

IP 55

- without terminals

- with terminals for copper conductors

page 37

page 37



### cable entry via cable, cable trunking and conduits

from 1.5 up to 4 mm<sup>2</sup>

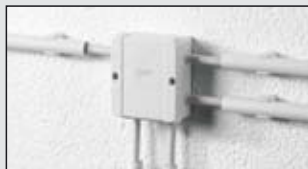
IP 54

- with terminals for copper conductors

- without terminals

page 39

page 40



### cable entry via elastic membranes

from 1.5 up to 4 mm<sup>2</sup>

IP 55

- with terminals for copper conductors, grey RAL 7035

- without terminals, grey RAL 7035

- with terminals for copper conductors, white RAL 9016

- without terminals, white RAL 9016

- Accessories

page 42

page 42

page 43

page 43

page 44



### cable entry via elastic membranes from the rear and by box walls and lid

from 1.5 up to 2.5 mm<sup>2</sup>

IP 55

for the clip-on attachment

- with terminals for copper conductors, grey RAL 7035

- without terminals, grey RAL 7035

- with terminals for copper conductors, white RAL 9016

- without terminals, white RAL 9016

page 46

page 46

page 47

page 47



### for aluminium- (Alu) and copper (Cu) conductors

from 1.5 up to 240 mm<sup>2</sup>

IP 65/55

cable entry via metric knockouts

- with terminal blocks for aluminium- (Alu) and copper (Cu) conductors

pages 49- 52



### for outdoor installation - harsh environment and/or outdoor

from 1.5 up to 50 mm<sup>2</sup>

IP 66

cable/conduit entry via metric knockouts

- with / without terminals, colours grey RAL 7032, black RAL 7032

pages 54- 61



### for outdoor installation - harsh environment and/or outdoor

from 1.5 up to 50 mm<sup>2</sup>

IP 66 / IP 65 with UL/CSA approval, (Nema 4X)

box walls without knockouts, can be drilled individually

- without terminals

pages 63 - 68



### for offshore / heavy duty applications

from 1.5 up to 35 mm<sup>2</sup>

IP 66 / IP 67

- cable entry via metric knockouts

- box walls without knockouts

pages 70 - 71

page 72



### tested for intrinsic fire resistance

from 0.5 up to 16 mm<sup>2</sup>

IP 65 / IP 66

- material: duroplast, cable entry via included grommets, IP 65

- material: sheet steel, powder-coated, cable entry via mounted grommets, IP 66

pages 74, 77

pages 75 - 77



### suitable for hazardous areas in zone 2 and zone 22

from 1.5 up to 25 mm<sup>2</sup>

IP 65

cable entry via metric knockouts and cable glands AXM

- with terminals for copper conductors



pages 79 - 81



### for special applications

from 1.5 up to 25 mm<sup>2</sup>

IP 55 / IP 54

cable entry via metric knockouts

- for security lighting circuits, with red lid

- for equipotential bonding conductors

pages 83

pages 84



### with main line branch terminals

from 25 up to 35 mm<sup>2</sup>

IP 55

cable/conduit entry via metric knockouts

- with terminal blocks for copper conductors 25 mm<sup>2</sup> and 35 mm<sup>2</sup>

page 86



### with terminal blocks for aluminium- (Alu) and copper conductors (Cu)

from 1.5 up to 4 mm<sup>2</sup>

IP 65 / IP 55

cable/conduit entry via metric knockouts

- Terminal boxes with terminal blocks

pages 88 - 89



### Accessories

pages 92 - 96



### Technical details

pages 98-111

Additional information on our website: [www.hensel-electric.de](http://www.hensel-electric.de)





FIXCONNECT®-plug-in terminal technology in DK cable junction boxes: vibration-proof, maintenance free



Stainless steel cover screws with quick fastening metric thread. Reducing cover fixing time.



Plenty of space for the wiring: Wiring facilities both below the DIN rails and between the terminals.



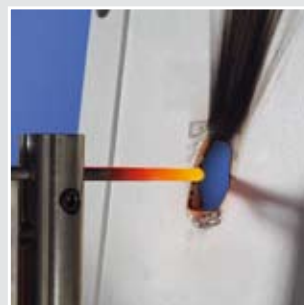
Labelling system for circuit description

Label template on the Internet at [www.hensel-electric.de](http://www.hensel-electric.de) - in the 'Downloads' area.



Different conductor types - rigid (r) and flexible (f) without treatment of conductors - can be connected in one terminal.

Conductors can be directly connected and disconnected **with installed terminal.**



Burning behaviour: Glow wire test according to IEC 60 695-2-11: 750 °C, flame-retardant, self-extinguishing




## DK Cable junction boxes cable entry via metric knockouts

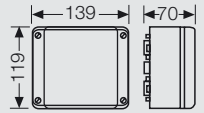
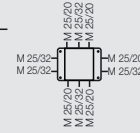
### ■ FIXCONNECT® technology

- rated insulation voltage: AC/DC 690 V
- degree of protection: IP 55 (ESM)
- degree of protection: IP 65 (refer to index ENYFIT)
- material: thermoplastic
- colour: grey, RAL 7035



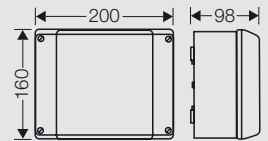
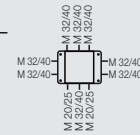
**KC 9045** **1.5-4 mm<sup>2</sup>, Cu, 3~**

 5-pole,  
per pole 4 x 1 x 1.5-4 mm<sup>2</sup> sol/f  
current carrying capacity 32 A  
included cable entry 4 ESM 25  
(sealing range Ø 9-17 mm)



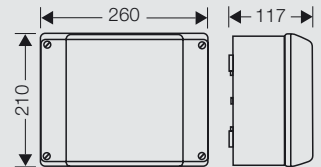
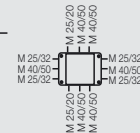
**KC 9255** **2.5-10 mm<sup>2</sup>, Cu, 3~**

5-pole,  
per pole 4 x 1 x 2.5-10 mm<sup>2</sup> r/f  
current carrying capacity 50 A  
included cable entry 3 ESM 32  
(sealing range Ø 9-23 mm)



**KC 9355** **2.5-16 mm<sup>2</sup>, Cu, 3~**

5-pole,  
per pole 4 x 1 x 2.5-16 mm<sup>2</sup> r/f  
current carrying capacity 76 A  
included cable entry 3 ESM 40  
(sealing range Ø 17-30 mm)





Variable terminal mounting positions (5 positions) and new terminal technology, vibration tested, maintenance-free.



Included accessories as listed: grommets  
ESM = IP 55



Stainless steel cover screws with quick fastening metric thread. Reducing cover fixing time.



Labelling system for circuit description

Label template on the Internet at [www.hensel-electric.de](http://www.hensel-electric.de) - in the 'Downloads' area.



Hensel cable junction boxes can in general also be used in poor environmental conditions by using IP 65 cable glands AKM/ASM.



Burning behaviour:  
Glow wire test according to IEC 60 695-2-11: 750 °C/ 960 °C, flame-retardant, self-extinguishing





## DK Cable junction boxes cable entry via metric knockouts

### ■ with terminals

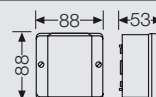
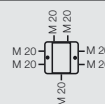
- rated insulation voltage: AC/DC 690 V
- degree of protection: IP 55 (ESM)
- degree of protection: IP 65 (refer to index ENYFIT)
- material: thermoplastic
- colour: grey, RAL 7035



#### D 9025 1.5-2.5 mm<sup>2</sup>, Cu, 3~



5-pole,  
per pole 6 x 1.5 mm<sup>2</sup> sol, 4 x 2.5 mm<sup>2</sup> sol,  
3 x 4 mm<sup>2</sup> sol  
included cable entry 4 ESM 20  
(sealing range Ø 6-13 mm)

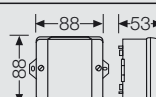
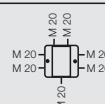


#### D 9125 1.5-2.5 mm<sup>2</sup>, Cu, 3~



##### with external fixing

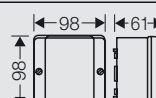
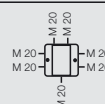
5-pole,  
per pole 6 x 1.5 mm<sup>2</sup> sol, 4 x 2.5 mm<sup>2</sup> sol,  
3 x 4 mm<sup>2</sup> sol  
included cable entry 4 ESM 20  
(sealing range Ø 6-13 mm)



#### D 9145 1.5-4 mm<sup>2</sup>, Cu, 3~



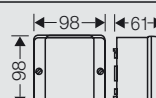
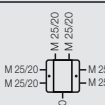
5-pole,  
per pole 6 x 1.5 mm<sup>2</sup> sol, 4 x 2.5 mm<sup>2</sup> sol,  
3 x 4 mm<sup>2</sup> sol, 2 x 6 mm<sup>2</sup> sol  
included cable entry 4 ESM 20  
(sealing range Ø 6-13 mm)



#### D 9045 1.5-4 mm<sup>2</sup>, Cu, 3~



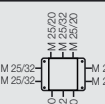
5-pole,  
per pole 6 x 1.5 mm<sup>2</sup> sol, 4 x 2.5 mm<sup>2</sup> sol,  
3 x 4 mm<sup>2</sup> sol, 2 x 6 mm<sup>2</sup> sol  
included cable entry 4 ESM 25  
(sealing range Ø 9-17 mm)



#### K 9065 2.5-6 mm<sup>2</sup>, Cu, 3~



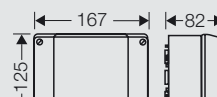
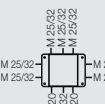
5-pole,  
per pole 4 x 2.5 mm<sup>2</sup> sol, 4 x 4 mm<sup>2</sup> sol,  
3 x 6 mm<sup>2</sup> sol, 2 x 10 mm<sup>2</sup> sol  
included cable entry 3 ESM 32  
(sealing range Ø 9-23 mm)



#### K 9105 4-10 mm<sup>2</sup>, Cu, 3~



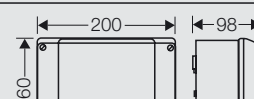
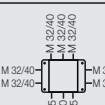
5-pole,  
per pole 6 x 2.5 mm<sup>2</sup> sol, 4 x 4 mm<sup>2</sup> sol,  
4 x 6 mm<sup>2</sup> sol, 4 x 10 mm<sup>2</sup> sol, 2 x 16 mm<sup>2</sup> s  
included cable entry 3 ESM 32  
(sealing range Ø 9-23 mm)



#### K 9255 10-25 mm<sup>2</sup>, Cu, 3~



5-pole,  
per pole 6 x 10 mm<sup>2</sup> sol, 4 x 16 mm<sup>2</sup> s,  
4 x 25 mm<sup>2</sup> s, 2 x 35 mm<sup>2</sup> s  
included cable entry 3 ESM 40  
(sealing range Ø 17-30 mm)



## DK Cable junction boxes cable entry via metric knockouts

■ with terminals

- rated insulation voltage: AC/DC 690 V
- degree of protection: IP 55 (ESM)
- degree of protection: IP 65 (refer to index ENYFIT)
- material: thermoplastic
- colour: grey, RAL 7035

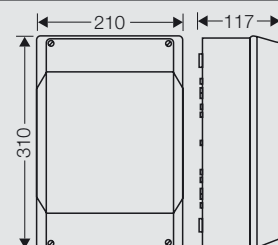
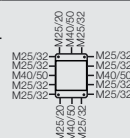


**K 9502**

**10-35 mm<sup>2</sup>, Cu, 3~**



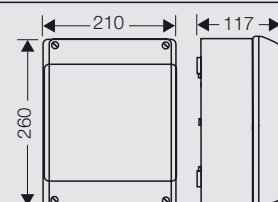
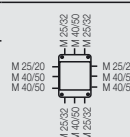
5-pole,  
per pole 4 x 10 mm<sup>2</sup> sol, 4 x 16 mm<sup>2</sup> s,  
4 x 25 mm<sup>2</sup> s, 2 x 35 mm<sup>2</sup> s  
included cable entry 3 ESM 40  
(sealing range Ø 17-30 mm)



**K 9355**

**16-35 mm<sup>2</sup>, Cu, 3~**

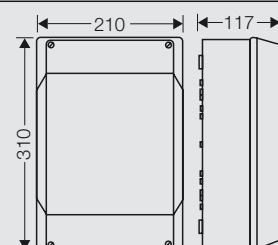
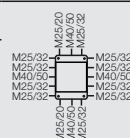
5-pole,  
per pole 6 x 16 mm<sup>2</sup> s, 4 x 25 mm<sup>2</sup> s,  
4 x 35 mm<sup>2</sup> s, 2 x 50 mm<sup>2</sup> s  
included cable entry 3 ESM 40  
(sealing range Ø 17-30 mm)



**K 9504**

**16-50 mm<sup>2</sup>, Cu, 3~**

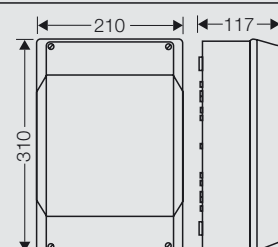
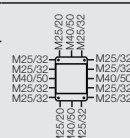
4-pole,  
per pole 6 x 16 mm<sup>2</sup> s, 4 x 25 mm<sup>2</sup> s,  
4 x 35 mm<sup>2</sup> s, 4 x 50 mm<sup>2</sup> s  
cable entry order AKM/ASM separately  
(refer to index ENYFIT)



**K 9505**

**16-50 mm<sup>2</sup>, Cu, 3~**

5-pole,  
per pole 6 x 16 mm<sup>2</sup> s, 4 x 25 mm<sup>2</sup> s,  
4 x 35 mm<sup>2</sup> s, 4 x 50 mm<sup>2</sup> s  
cable entry order AKM/ASM separately  
(refer to index ENYFIT)





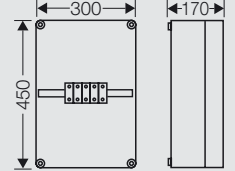
## DK Cable junction boxes cable entry via metric knockouts

- with terminals
- opaque lid with fasteners for tool operation
- sealable
- Order cable glands, flanges and other accessories separately as required

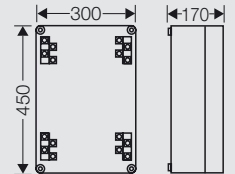
- rated insulation voltage: AC/DC 690 V
- degree of protection: IP 65
- material: thermoplastic
- colour: grey, RAL 7032



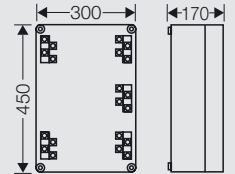
**K 7055**    **16-50 mm<sup>2</sup>, Cu, 3~**  
5-pole,  
per pole 6 x 16 mm<sup>2</sup> s, 4 x 25 mm<sup>2</sup> s,  
4 x 35 mm<sup>2</sup> s, 4 x 50 mm<sup>2</sup> s  
cable entry via flanges, see accessories



**K 7004**    **16-70 mm<sup>2</sup>, Cu, 3~**  
4-pole,  
per pole 4 x 16-70 mm<sup>2</sup> s  
cable entry via flanges, see accessories



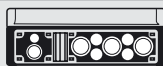
**K 7005**    **16-70 mm<sup>2</sup>, Cu, 3~**  
5-pole,  
per pole 4 x 16-70 mm<sup>2</sup> s  
cable entry via flanges, see accessories



### Box walls with metric knockouts:



**Wall 2**  
2 x M 20  
10 x M 25  
1 x M 32/40



**Wall 4**  
1 x M 20  
4 x M 25  
1 x M 32/40  
3 x M 40/50

## DK Cable junction boxes cable entry via metric knockouts

### ■ with terminals

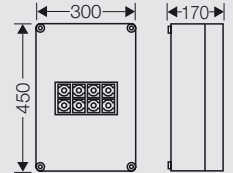
- opaque lid with fasteners for tool operation
- sealable
- Order cable glands, flanges and other accessories separately as required

- rated insulation voltage: AC/DC 690 V
- degree of protection: IP 65
- material: thermoplastic
- colour: grey, RAL 7032



#### **K 1204 16-150 mm<sup>2</sup>, Cu/Alu, 3~**

4-pole,  
per pole 2 x 16-150 mm<sup>2</sup> / 4 x 16-70 mm<sup>2</sup>  
Terminal technology, see annex DK Cable  
junction boxes  
cable entry via flanges, see accessories



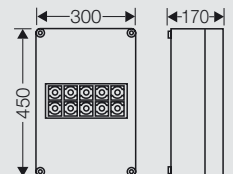
Reference to the preparation of aluminum  
conductors:

1. Clean the bared conductor end carefully by scraping off the oxide film, for example with a knife, (Please do not use rasps, emery paper or brushes!).
2. Immediately after removing the oxide film the conductor end is to rub in with acid and alkali free fat for example vaseline, and immediately to be connected in the terminal.
3. The prementioned processing steps are to be repeated, if the conductor was disconnected and connected again.
4. Due to the disposition to flowing of aluminum the terminals are to be re-tightened before start-up and after the first 200 operation hours.



#### **K 1205 16-150 mm<sup>2</sup>, Cu/Alu, 3~**

5-pole,  
per pole 2 x 16-150 mm<sup>2</sup> / 4 x 16-70 mm<sup>2</sup>  
Terminal technology, see annex DK Cable  
junction boxes  
cable entry via flanges, see accessories



Reference to the preparation of aluminum  
conductors:

1. Clean the bared conductor end carefully by scraping off the oxide film, for example with a knife, (Please do not use rasps, emery paper or brushes!).
2. Immediately after removing the oxide film the conductor end is to rub in with acid and alkali free fat for example vaseline, and immediately to be connected in the terminal.
3. The prementioned processing steps are to be repeated, if the conductor was disconnected and connected again.
4. Due to the disposition to flowing of aluminum the terminals are to be re-tightened before start-up and after the first 200 operation hours.

#### Box walls with metric knockouts:



**Wall 2**

2 x M 20  
10 x M 25  
1 x M 32/40



**Wall 4**

1 x M 20  
4 x M 25  
1 x M 32/40  
3 x M 40/50

## DK Cable junction boxes cable entry via metric knockouts

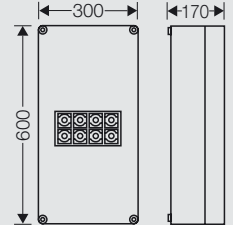
- with terminals
- opaque lid with fasteners for tool operation
- sealable
- Order cable glands, flanges and other accessories separately as required

- rated insulation voltage: AC/DC 690 V
- degree of protection: IP 65
- material: thermoplastic
- colour: grey, RAL 7032



### K 2404 25-240 mm<sup>2</sup>, Cu/Alu, 3~

4-pole, per pole  
2 x 25-185/240 mm<sup>2</sup> / 4 x 25-120 mm<sup>2</sup>  
Terminal technology, see annex DK Cable junction boxes



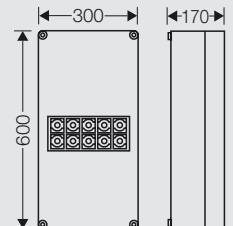
Reference to the preparation of aluminum conductors:

1. Clean the bared conductor end carefully by scraping off the oxide film, for example with a knife, (Please do not use rasps, emery paper or brushes!).
2. Immediately after removing the oxide film the conductor end is to rub in with acid and alkali free fat for example vaseline, and immediately to be connected in the terminal.
3. The prementioned processing steps are to be repeated, if the conductor was disconnected and connected again.
4. Due to the disposition to flowing of aluminum the terminals are to be re-tightened before start-up and after the first 200 operation hours.



### K 2405 25-240 mm<sup>2</sup>, Cu/Alu, 3~

5-pole, per pole  
2 x 25-185/240 mm<sup>2</sup> / 4 x 25-120 mm<sup>2</sup>  
Terminal technology, see annex DK Cable junction boxes



Reference to the preparation of aluminum conductors:

1. Clean the bared conductor end carefully by scraping off the oxide film, for example with a knife, (Please do not use rasps, emery paper or brushes!).
2. Immediately after removing the oxide film the conductor end is to rub in with acid and alkali free fat for example vaseline, and immediately to be connected in the terminal.
3. The prementioned processing steps are to be repeated, if the conductor was disconnected and connected again.
4. Due to the disposition to flowing of aluminum the terminals are to be re-tightened before start-up and after the first 200 operation hours.

#### Box walls with metric knockouts:



Wall 2	Wall 3	Wall 5
2 x M 20	4 x M 25	8 x M 32
10 x M 25	3 x M 40/50	4 x M 40/50
1 x M 32/40		



## DK Cable junction boxes cable entry via metric knockouts

■ without terminals

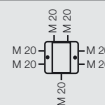
- degree of protection: IP 55 (ESM)
- degree of protection: IP 65 (refer to index ENYFIT)
- material: thermoplastic
- colour: grey, RAL 7035



**D 9020**



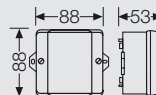
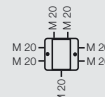
included cable entry 4 ESM 20  
(sealing range Ø 6-13 mm)



**D 9120**



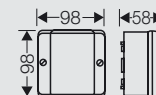
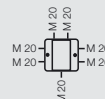
**with external fixing**  
included cable entry 4 ESM 20  
(sealing range Ø 6-13 mm)



**D 9140**



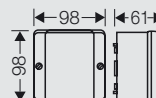
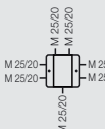
included cable entry 4 ESM 20  
(sealing range Ø 6-13 mm)



**D 9040**



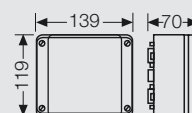
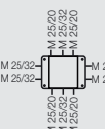
included cable entry 4 ESM 25  
(sealing range Ø 9-17 mm)



**K 9060**



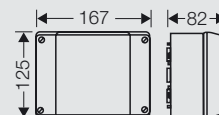
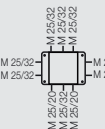
included cable entry 3 ESM 32  
(sealing range Ø 9-23 mm)



**K 9100**



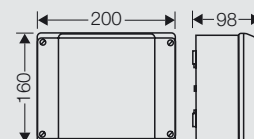
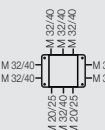
included cable entry 3 ESM 32  
(sealing range Ø 9-23 mm)



**K 9250**



included cable entry 3 ESM 40  
(sealing range Ø 17-30 mm)



## DK Cable junction boxes cable entry via metric knockouts

■ without terminals

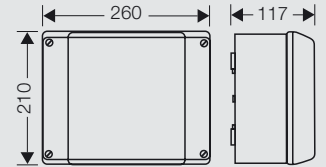
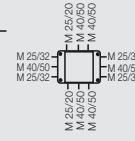
- degree of protection: IP 55 (ESM)
- degree of protection: IP 65 (refer to index ENYFIT)
- material: thermoplastic
- colour: grey, RAL 7035



### K 9350



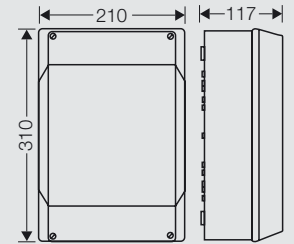
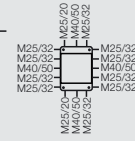
included cable entry 3 ESM 40  
(sealing range Ø 17-30 mm)



### K 9500



cable entry: order AKM/ASM separately  
(refer to index ENYFIT)





Cable entries can be drilled individually.



Hensel cable junction boxes can in general also be used in poor environmental conditions by using IP 65 cable glands AKM.



Hensel cable junction boxes with armoured cables according to British Standard.



Labelling system for circuit description.

Label template on the Internet at [www.hensel-electric.de](http://www.hensel-electric.de) - in the 'Downloads' area.



Stainless steel cover screws with quick fastening metric thread. Reducing cover fixing time.



Burning behaviour:  
Glow wire test according to IEC 60 695-2-11: 750 °C, flame-retardant, self-extinguishing





## DK Cable junction boxes box walls without knockouts

■ without terminals

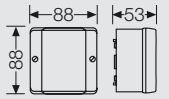
■ degree of protection: IP 65  
■ material: thermoplastic  
■ colour: grey, RAL 7035



**D 8020**



wall surface can be drilled individually  
for cable entry max. M 20

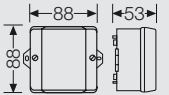


**D 8120**



**with external fixing**

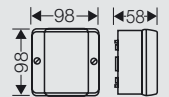
wall surface can be drilled individually  
for cable entry max. M 20



**D 8040**



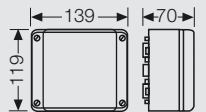
wall surface can be drilled individually  
for cable entry max. M 20



**K 8060**



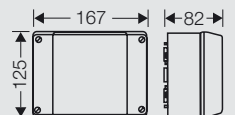
wall surface can be drilled individually  
for cable entry max. M 32



**K 8100**



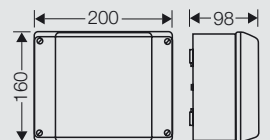
wall surface can be drilled individually  
for cable entry max. M 32



**K 8250**



wall surface can be drilled individually  
for cable entry max. M 40



## DK Cable junction boxes box walls without knockouts

■ without terminals

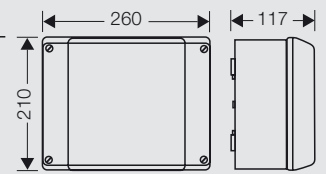
- degree of protection: IP 65
- material: thermoplastic
- colour: grey, RAL 7035



**K 8350**



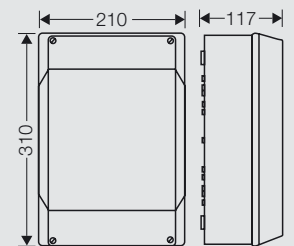
wall surface can be drilled individually  
for cable entry max. M 50



**K 8500**



wall surface can be drilled individually  
for cable entry max. M 50



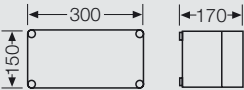
# DK Cable junction boxes box walls without knockouts

- with transparent lid
- lid fasteners for tool operation
- please order DIN rails or mounting plates additionally

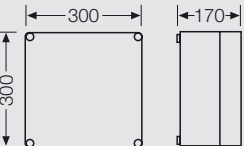
- for series built-in equipment up to 63 A
- degree of protection: IP 65
- material: thermoplastic
- colour: grey, RAL 7035


**K 0100**
**new**

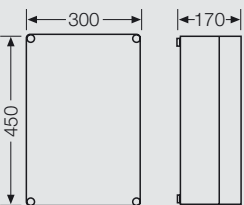
max. installation depth  
with built-in mounting plate 146 mm  
with built-in DIN rail 135 mm


**K 0200**
**new**

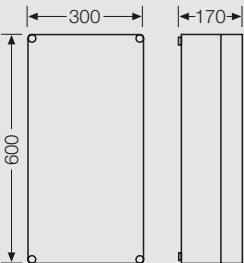
max. installation depth  
with built-in mounting plate 146 mm  
with built-in DIN rail 135 mm


**K 0300**
**new**

max. installation depth  
with built-in mounting plate 146 mm  
with built-in DIN rail 135 mm


**K 0400**
**new**

max. installation depth  
with built-in mounting plate 146 mm  
with built-in DIN rail 135 mm





# DK Cable junction boxes box walls without knockouts

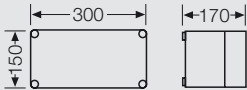
ENVYCASE

- with opaque lid
- lid fasteners for tool operation
- please order DIN rails or mounting plates additionally

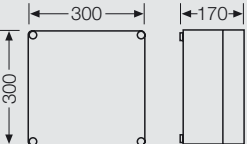
- for series built-in equipment up to 63 A
- degree of protection: IP 65
- material: thermoplastic
- colour: grey, RAL 7035



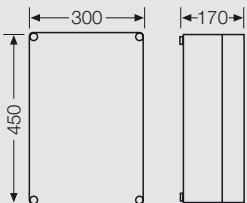
<b>K 0101</b>	<b>new</b>
max. installation depth with built-in mounting plate 146 mm with built-in DIN rail 135 mm	



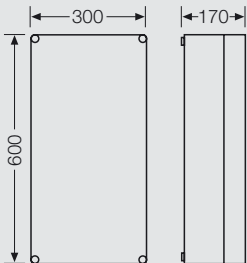
<b>K 0201</b>	<b>new</b>
max. installation depth with built-in mounting plate 146 mm with built-in DIN rail 135 mm	



<b>K 0301</b>	<b>new</b>
max. installation depth with built-in mounting plate 146 mm with built-in DIN rail 135 mm	



<b>K 0401</b>	<b>new</b>
max. installation depth with built-in mounting plate 146 mm with built-in DIN rail 135 mm	



## DK Cable junction boxes

### box walls without knockouts

### Accessories



#### Mi TS 15 DIN rail

in accordance with EN 60 715  
for K 0100, K 0101  
for equipment or terminals with clip-on mounting  
with fixing screws



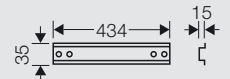
#### Mi TS 30 DIN rail

in accordance with EN 60 715  
for K 0xxx,  
for equipment or terminals with clip-on mounting  
with fixing screws



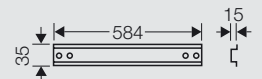
#### Mi TS 45 DIN rail

in accordance with EN 60 715  
for K 0300, K 0301  
for equipment or terminals with clip-on mounting  
with fixing screws



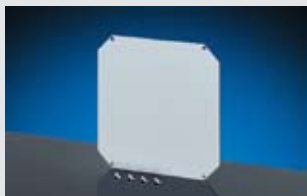
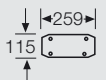
#### Mi TS 60 DIN rail

in accordance with EN 60 715  
for K 0400, K 0401  
for equipment or terminals with clip-on mounting  
with fixing screws



#### Mi MP 1 Mounting plate

material: laminated paper  
material thickness 4 mm  
for K 0xxx  
with fixing screws



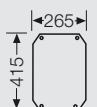
#### Mi MP 2 Mounting plate

material: laminated paper  
material thickness 4 mm  
for K 0200, K 0201, K 0300, K 0301, K 0400, K 0401  
with fixing screws



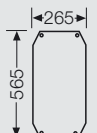
#### Mi MP 3 Mounting plate

material: laminated paper  
material thickness 4 mm  
for K 0300, K 0301, K 0400, K 0401  
with fixing screws



#### Mi MP 4 Mounting plate

material: laminated paper  
material thickness 4 mm  
for K 0400, K 0401  
with fixing screws



## DK Cable junction boxes

### Empty boxes

### Accessories



<b>Mi ZS 30</b>	<b>Hinge for lids</b>	<b>new</b>
for empty boxes K 0xxx The lid keeps permanently connected to the box.		
<b>Mi PL 2</b>	<b>Sealing caps</b>	
2 sealing caps for converting the lid fasteners		
<b>Mi SR 4</b>	<b>Conversion set</b>	
4 fastening covers for converting lid fasteners for manual operation to tool operation		
<b>Mi SN 4</b>	<b>Conversion set</b>	
4 manual actuators for converting lid fasteners from tool operation to manual operation		
<b>Mi DV 01</b>	<b>Locking device insertion</b>	
only in connection with Mi PL 2, Mi SR 4 or Mi SN 4		
<b>Mi ZS 11</b>	<b>Lid lock</b>	
locking device I consisting of: cylinder lock, key, locking device insertion, dust cover Is being used instead of fasteners for hand or tool operation in order to prevent unauthorised opening of the lids		
<b>Mi ZS 12</b>	<b>Lid lock</b>	
locking device II consisting of: cylinder lock, key, locking device insertion, dust cover Is being used instead of fasteners for hand or tool operation in order to prevent unauthorised opening of the lids		
<b>Mi DR 04</b>	<b>Lid fastener for tool operation</b>	
triangle 8 mm is used instead of fasteners for hand- or tool operation, in order to make unauthorized opening of lids mor difficult 4 locking devices with triangle 8 mm and key		
<b>Mi AL 40</b>	<b>Stainless steel external brackets</b>	
for external box fixing with K 0xxx set consisting of 4 fixing brackets, 4 screws		



Included accessories  
as listed:  
stepped grommets  
STM = IP 55



Labelling system  
for circuit description.

Label template on the Internet at  
[www.hensel-electric.de](http://www.hensel-electric.de) - in the  
'Downloads' area.



Stainless steel cover screws with  
quick fastening metric thread.  
Reducing cover fixing time.



Burning behaviour:  
Glow wire test according to  
IEC 60 695-2-11: 750 °C,  
flame-retardant,  
self-extinguishing



Degree of protection IP 65  
using cable glands ASM..  
available as an accessory.



## DK Cable junction boxes cable entry via metric knockouts

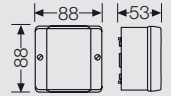
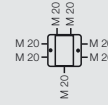
■ without terminals

- degree of protection: IP 55 (STM)
- degree of protection: IP 65 (refer to index ENYFIT)
- material: thermoplastic
- colour: grey, RAL 7035



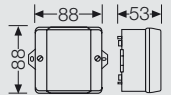
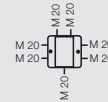
### D 6020

included cable entry 4 STM 20  
(sealing range Ø 5-16 mm)



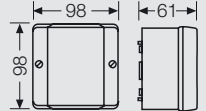
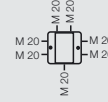
### D 6120

**with external fixing**  
included cable entry 4 STM 20  
(sealing range Ø 5-16 mm)



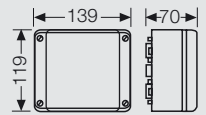
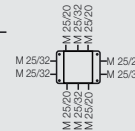
### D 6040

included cable entry 4 STM 25  
(sealing range Ø 5-21 mm)



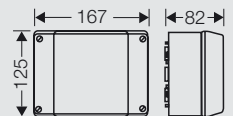
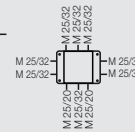
### K 6060

included cable entry 3 STM 32  
(sealing range Ø 13-26.5 mm)



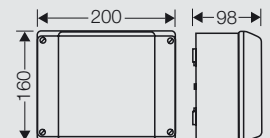
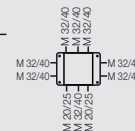
### K 6100

included cable entry 3 STM 32  
(sealing range Ø 13-26.5 mm)



### K 6250

included cable entry 3 STM 40  
(sealing range Ø 13-34 mm)



## DK Cable junction boxes cable entry via metric knockouts

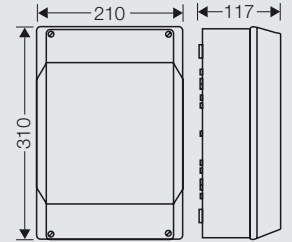
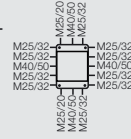
■ without terminals

- degree of protection: IP 55 (STM)
- degree of protection: IP 65 (refer to index ENYFIT)
- material: thermoplastic
- colour: grey, RAL 7035



**K 6500**

included cable entry 3 STM 40  
(sealing range Ø 13-34 mm)





Application:  
Cable junction box  
using entries for conduits.



Application:  
Cable junction box  
using special cable entries  
for armoured cables.



Hensel cable junction boxes with  
armoured cables according to  
British Standard.



Labelling system  
for circuit description.

Label template on the Internet at  
[www.hensel-electric.de](http://www.hensel-electric.de) - in the  
'Downloads' area.



Stainless steel cover screws with  
quick fastening metric thread.  
Reducing cover fixing time.



Burning behaviour:  
Glow wire test according to  
IEC 60 695-2-11: 750 °C,  
flame-retardant,  
self-extinguishing



## DK Cable junction boxes cable/conduit entry via metric knockouts

■ without terminals

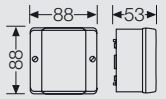
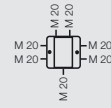
■ degree of protection: IP 65 (refer to index ENYFIT)  
■ material: thermoplastic  
■ colour: grey, RAL 7035



### DM 9020



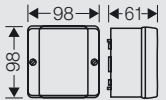
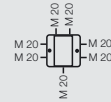
cable entry to be ordered separately



### DM 9140



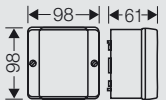
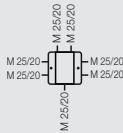
cable entry to be ordered separately



### DM 9040



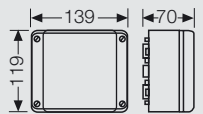
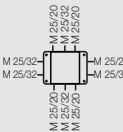
cable entry to be ordered separately



### KM 9060



cable entry to be ordered separately





## DK Cable junction boxes cable/conduit entry via metric knockouts

■ with terminals

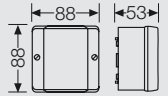
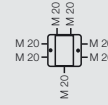
- rated insulation voltage AC/DC 690 V
- degree of protection: IP 65 (refer to index ENYFIT)
- material: thermoplastic
- colour: grey, RAL 7035



### DM 9025 1.5-2.5 mm<sup>2</sup>, Cu, 3~



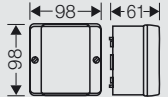
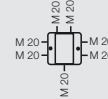
cable entry to be ordered separately



### DM 9145 1.5-4 mm<sup>2</sup>, Cu, 3~



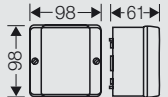
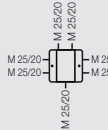
cable entry to be ordered separately



### DM 9045 1.5-4 mm<sup>2</sup>, Cu, 3~



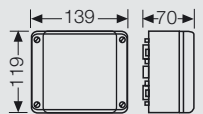
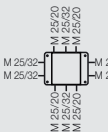
cable entry to be ordered separately



### KM 9065 2.5-6 mm<sup>2</sup>, Cu, 3~



cable entry to be ordered separately




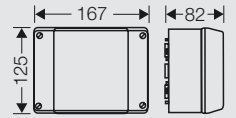
## DK Cable junction boxes box walls without knockouts


### ■ with terminals

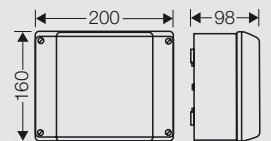
- rated insulation voltage AC/DC 690 V
- degree of protection: IP 65 (refer to index ENYFIT)
- material: thermoplastic
- colour: grey, RAL 7035



K 8105	4-10 mm <sup>2</sup> , Cu, 3~
	<p>5-pole, per pole 6 x 2.5 mm<sup>2</sup> sol, 4 x 4 mm<sup>2</sup> sol, 4 x 6 mm<sup>2</sup> sol, 4 x 10 mm<sup>2</sup> sol, 2 x 16 mm<sup>2</sup> s box walls without knockouts wall surface can be drilled individually for cable entry max. M 32</p>



K 8255	10-25 mm <sup>2</sup> , Cu, 3~
	<p>5-pole, per pole 6 x 10 mm<sup>2</sup> sol, 4 x 16 mm<sup>2</sup> s, 4 x 25 mm<sup>2</sup> s, 2 x 35 mm<sup>2</sup> s box walls without knockouts wall surface can be drilled individually for cable entry max. M 40</p>





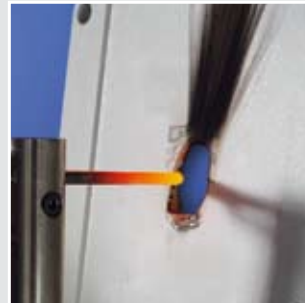
IP 55 with cable entry via elastic membranes.



IP 65 with ADM 20 cable gland without locknut. The gland is secured by an integrated M 20 thread.



Captive cover screws with quick-release lock.



Burning behaviour:  
 Glow wire test according to IEC 60 695-2-11: 750 °C, flame-retardant, self-extinguishing

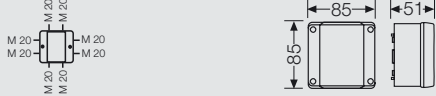


**750° C**

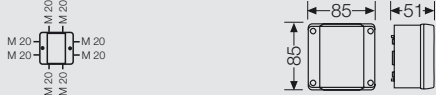
# DK Cable junction boxes cable entry via elastic membranes and integrated M 20 thread

- rated insulation voltage: 400 V
- degree of protection: IP 55
- degree of protection: IP 65 (ADM)
- material: thermoplastic
- colour: grey, RAL 7035

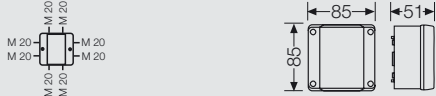


<b>DN 2000</b>	cable entry: 8 membranes, closed (sealing range Ø 3-12 mm) integrated M 20 thread without terminals	
----------------	--	---



<b>DN 2030</b>	included cable entry 3 ADM 20 (sealing range Ø 6.5-13.5 mm) 8 membranes, closed (sealing range Ø 3-12 mm) integrated M 20 thread without terminals	
----------------	---	---



<b>DN 2035</b>	5-pole, per pole 6 x 1.5 mm <sup>2</sup> sol, 4 x 2.5 mm <sup>2</sup> sol, 3 x 4 mm <sup>2</sup> sol included cable entry 3 ADM 20 (sealing range Ø 6.5-13.5 mm) 8 membranes, closed (sealing range Ø 3-12 mm) integrated M 20 thread with terminals	
----------------	--	---



<b>Cable gland</b> <b>degree of protection: IP 65</b> colour: grey, RAL 7035 material: thermoplastic		
<b>ADM 20</b>	ISO thread M 20 x 1.5	sealing range Ø 6.5-13.5 mm



## DK Cable junction boxes cable entry via knockouts for cable trunking and conduit installation



Simply cut out cable trunking wall to the required width.



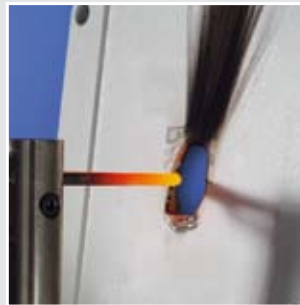
The cables can be inserted from the front! No threading of cables necessary!

Supplied accessory grommets  
DPS 02 = IP 54



The clean installation solution for cable trunking!

Removable trunking adapters for connection of cable trunkings to junction boxes.



Burning behaviour:  
Glow wire test according to  
IEC 60 695-2-11: 750 °C,  
flame-retardant,  
self-extinguishing



Stainless steel cover screws with  
quick fastening metric thread.  
Reducing cover fixing time.



Labelling system  
for circuit description.

Label template on the Internet at  
[www.hensel-electric.de](http://www.hensel-electric.de) - in the  
'Downloads' area.

## DK Cable junction boxes


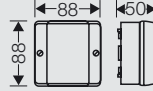

### cable entry via knockouts

### for cable trunking and conduit installation




■ with terminals

- rated insulation voltage: AC/DC 690 V
- degree of protection: IP 54
- material: thermoplastic
- colour: grey, RAL 7035






<b>DP 9025</b>	<b>1.5-2.5 mm<sup>2</sup>, Cu, 3~</b>		
	5-pole, per pole 6 x 1.5 mm <sup>2</sup> sol, 4 x 2.5 mm <sup>2</sup> sol, 3 x 4 mm <sup>2</sup> sol included cable entry 4 DPS 02 (sealing range Ø 10-13.5 mm)		






<b>DP 9221</b>	<b>1.5-2.5 mm<sup>2</sup>, Cu, 3~</b>		
	5-pole, per pole 6 x 1.5 mm <sup>2</sup> sol, 4 x 2.5 mm <sup>2</sup> sol, 3 x 4 mm <sup>2</sup> sol included cable entry 7 DPS 02 (sealing range Ø 10-13.5 mm)		



<b>DP 9222</b>	<b>1.5-2.5 mm<sup>2</sup>, Cu, 3~</b>		
	2 terminals 5-pole, per pole 6 x 1.5 mm <sup>2</sup> sol, 4 x 2.5 mm <sup>2</sup> sol, 3 x 4 mm <sup>2</sup> sol included cable entry 7 DPS 02 (sealing range Ø 10-13.5 mm)		



<b>DPC 9225</b>	<b>FIXCONNECT® technology</b>		
	5-pole, per pole 4 x 1 x 1.5-2.5 mm <sup>2</sup> sol/f current carrying capacity 32 A included cable entry 4 DPS 02 (sealing range Ø 10-13.5 mm)		



<b>DPS 02</b>	<b>Removable grommet</b>		
	degree of protection: IP 54 for retrofitting sealing range Ø 10-13.5 mm for cable junction boxes DP 9020, DP 9220, DP 9025, DP 9221, DP 9222, DP 9026, DPC 9225		



<b>ERA 20</b>	<b>Removable conduit adapter</b>		
	degree of protection: IP 54 for wiring conduits M 20 sealing range cable diameter 10-13.5 mm for cable junction boxes DP 9020, DP 9220, DP 9025, DP 9221, DP 9222, DP 9026, DPC 9225		



<b>EKA 20</b>	<b>Removable trunking adapter</b>		
	degree of protection: IP 54 for mini trunking up to 20 x 20 mm sealing range cable diameter 10-13.5 mm for cable junction boxes DP 9020, DP 9220, DP 9025, DP 9221, DP 9222, DP 9026, DPC 9225		

## DK Cable junction boxes cable entry via knockouts for cable trunking and conduit installation

■ without terminals

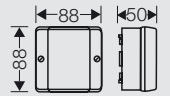
■ degree of protection: IP 54  
■ material: thermoplastic  
■ colour: grey, RAL 7035



### DP 9020



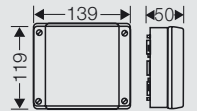
included cable entry 4 DPS 02  
(sealing range Ø 10-13.5 mm)



### DP 9220



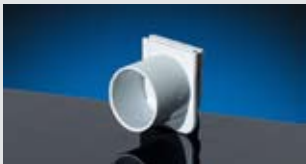
included cable entry 7 DPS 02  
(sealing range Ø 10-13.5 mm)



### DPS 02

#### removable grommet

degree of protection: IP 54  
for retrofitting  
sealing range Ø 10-13.5 mm  
for cable junction boxes DP 9020, DP 9220, DP 9025, DP 9221, DP 9222, DP 9026,  
DPC 9225



### ERA 20

#### removable conduit adapter

degree of protection: IP 54  
for wiring conduits M 20  
sealing range cable diameter 10-13.5 mm  
for cable junction boxes DP 9020, DP 9220, DP 9025, DP 9221, DP 9222, DP 9026,  
DPC 9225



### EKA 20

#### removable trunking adapter

degree of protection: IP 54  
for mini trunking up to 20 x 20 mm  
sealing range cable diameter 10-13.5 mm  
for cable junction boxes DP 9020, DP 9220, DP 9025, DP 9221, DP 9222, DP 9026,  
DPC 9225





No punching tool required - insert the conductor and it's done

Degree of protection IP 55



Grommet supplied for sealing membranes in case of modifications.



Labelling system for circuit description.

Label template on the Internet at [www.hensel-electric.de](http://www.hensel-electric.de) - in the 'Downloads' area.



Box wall with 3 cable entries.



Stainless steel cover screws with quick fastening metric thread. Reducing cover fixing time.



Burning behaviour:  
Glow wire test according to IEC 60 695-2-11: 750 °C, flame-retardant, self-extinguishing





## DK Cable junction boxes cable entry via elastic membranes

■ colour: grey, RAL 7035

■ rated insulation voltage: AC/DC 690 V

■ degree of protection: IP 55

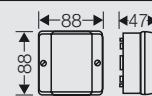
■ material: thermoplastic



### DE 9325 1.5-2.5 mm<sup>2</sup>, Cu, 3~



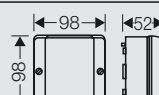
with terminals  
5-pole,  
per pole 6 x 1.5 mm<sup>2</sup> sol, 4 x 2.5 mm<sup>2</sup> sol,  
3 x 4 mm<sup>2</sup> sol,  
cable entry 10 elastic membranes, closed  
(sealing range Ø 6.5-16 mm)



### DE 9345 1.5-4 mm<sup>2</sup>, Cu, 3~



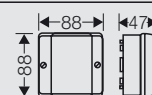
with terminals  
5-pole,  
per pole 6 x 1.5 mm<sup>2</sup> sol, 4 x 2.5 mm<sup>2</sup> sol,  
3 x 4 mm<sup>2</sup> sol, 2 x 6 mm<sup>2</sup> sol  
cable entry 10 elastic membranes, closed  
(sealing range Ø 6.5-18 mm)



### DE 9320



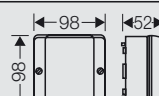
without terminals  
cable entry 10 elastic membranes, closed  
(sealing range Ø 6.5-16 mm)



### DE 9340

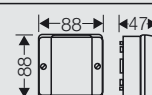


without terminals  
cable entry 10 elastic membranes, closed  
(sealing range Ø 6.5-18 mm)



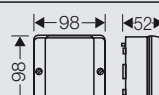
### DE 9330

without terminals  
cable entry 10 elastic membranes, closed  
(sealing range Ø 6.5-16 mm)  
with cable retention (2 pc.) for cable tie up to  
6.5 mm width



### DE 9350

without terminals  
cable entry 10 elastic membranes, closed  
(sealing range Ø 6.5-18 mm)  
with cable retention (2 pc.) for cable tie up to  
6.5 mm width



**Example:** Cable retention for  
DK Cable junction boxes



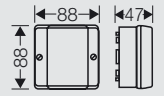
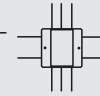
## DK Cable junction boxes cable entry via elastic membranes

■ colour: white, RAL 9016

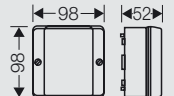
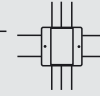
■ rated insulation voltage: AC/DC 690 V  
■ degree of protection: IP 55  
■ material: thermoplastic



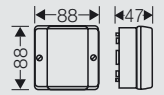
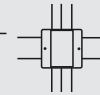
**DE 9326** **1.5-2.5 mm<sup>2</sup>, Cu, 3~**  
with terminals  
5-pole,  
per pole 6 x 1.5 mm<sup>2</sup> sol, 4 x 2.5 mm<sup>2</sup> sol,  
3 x 4 mm<sup>2</sup> sol  
cable entry 10 elastic membranes, closed  
(sealing range Ø 6.5-16 mm)



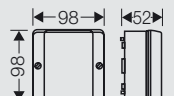
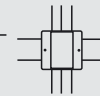
**DE 9346** **1.5-4 mm<sup>2</sup>, Cu, 3~**  
with terminals  
5-pole,  
per pole 6 x 1.5 mm<sup>2</sup> sol, 4 x 2.5 mm<sup>2</sup> sol,  
3 x 4 mm<sup>2</sup> sol, 2 x 6 mm<sup>2</sup> sol  
cable entry 10 elastic membranes, closed  
(sealing range Ø 6.5-18 mm)



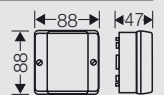
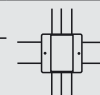
**DE 9321**  
without terminals  
cable entry 10 elastic membranes, closed  
(sealing range Ø 6.5-16 mm)



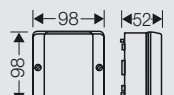
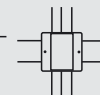
**DE 9341**  
without terminals  
cable entry via integrated elastic membranes  
cable entry 10 elastic membranes, closed  
(sealing range Ø 6.5-18 mm)



**DE 9331**  
without terminals  
cable entry 10 elastic membranes, closed  
(sealing range Ø 6.5-16 mm)  
with cable retention (2 pc.) for cable tie up to  
6.5 mm width



**DE 9351**  
without terminals  
cable entry 10 elastic membranes, closed  
(sealing range Ø 6.5-18 mm)  
with cable retention (2 pc.) for cable tie up to  
6.5 mm width



**Example:** Cable retention for  
DK Cable junction boxes



## DK Cable junction boxes cable entry via elastic membranes



### KHR 01 Cable retention

Set with 10 x 6 cable retentions  
30 pieces for cable diameter: Ø 6.5-10 mm  
30 pieces for cable diameter: Ø 10-14 mm



### KHR 02 Cable retention

Set with 10 x 6 cable retentions  
30 pieces for cable diameter: Ø 10-14 mm  
30 pieces for cable diameter: Ø 13-16 mm



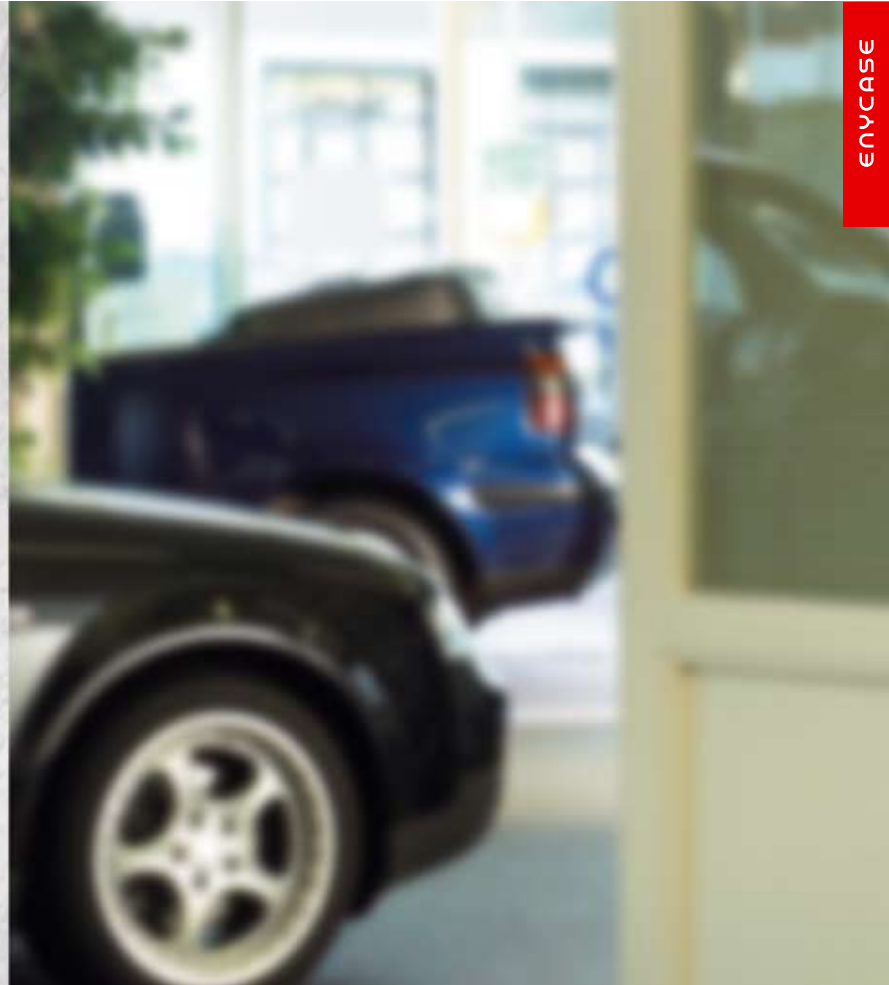
### DK ZE 10 Cable retention

for fixing in the bottom part of DK-cable junction boxes  
cable retention with cable clip up to 6.5 mm  
set with 10 pieces



## DK Cable junction boxes

### Cable entry via elastic membranes in bottom and box walls



Cable entry from the rear via elastic membranes in the bottom.



Cable entry via elastic membranes in box walls.



Flexible elastic membranes - no cable glands required. Push through and tight!



Lid for clip-on attachment. Reducing cover fixing time.



Burning behaviour:  
Glow wire test according to IEC 60 695-2-11: 750 °C, flame-retardant, self-extinguishing



## DK Cable junction boxes

### Cable entry via elastic membranes in bottom and box walls

■ colour: grey, RAL 7035

■ rated insulation voltage: AC/DC 690 V

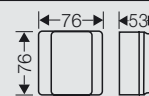
■ degree of protection: IP 55

■ material: thermoplastics



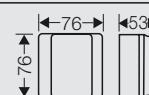
#### DE 9225 1.5-2.5 mm<sup>2</sup>, Cu, 3~

with terminals  
5-pole,  
per pole 6 x 1.5 mm<sup>2</sup> sol, 4 x 2.5 mm<sup>2</sup> sol,  
3 x 4 mm<sup>2</sup> sol  
cable entry:  
box walls with 10 elastic membranes, closed  
bottom with 2 elastic membranes, closed  
(sealing range Ø 3-14 mm)



#### DE 9220

without terminals  
cable entry:  
box walls with 10 elastic membranes, closed  
bottom with 2 elastic membranes, closed  
(sealing range Ø 3-14 mm)



#### DK ZE 10 Cable retention

for fixing in the bottom part of DK-cable junction boxes  
cable retention with cable clip up to 6.5 mm  
set with 10 pieces



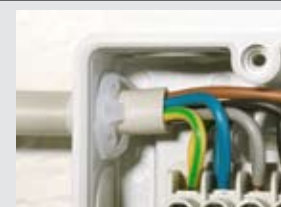
#### KHR 01 Cable retention

Set with 10 x 6 cable retentions  
30 pieces for cable diameter: Ø 6.5-10 mm  
30 pieces for cable diameter: Ø 10-14 mm



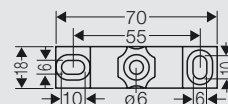
#### KHR 02 Cable retention

Set with 10 x 6 cable retentions  
30 pieces for cable diameter: Ø 10-14 mm  
30 pieces for cable diameter: Ø 13-16 mm



#### DE MB 10 Assembly bracket

10 items  
material: thermoplastics  
for quick installation of cable junction boxes DE 9220.  
and DN 20 ..





## DK Cable junction boxes

### Cable entry via elastic membranes in bottom and box walls

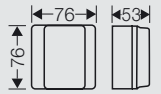
■ colour: white, RAL 9016

■ rated insulation voltage: AC/DC 690 V  
 ■ degree of protection: IP 55  
 ■ material: thermoplastics



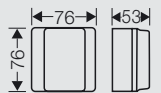
#### DE 9226 1.5-2.5 mm<sup>2</sup>, Cu, 3~

with terminals  
 5-pole,  
 per pole 6 x 1.5 mm<sup>2</sup> sol, 4 x 2.5 mm<sup>2</sup> sol,  
 3 x 4 mm<sup>2</sup> sol  
 cable entry:  
 box walls with 10 elastic membranes, closed  
 bottom with 2 elastic membranes, closed  
 (sealing range Ø 3-14 mm)



#### DE 9221

without terminals  
 cable entry:  
 box walls with 10 elastic membranes, closed  
 bottom with 2 elastic membranes, closed  
 (sealing range Ø 3-14 mm)



#### DK ZE 10 Cable retention

for fixing in the bottom part of DK-cable junction boxes  
 cable retention with cable clip up to 6.5 mm  
 set with 10 pieces



#### KHR 01 Cable retention

Set with 10 x 6 cable retentions  
 30 pieces for cable diameter: Ø 6.5-10 mm  
 30 pieces for cable diameter: Ø 10-14 mm



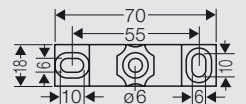
#### KHR 02 Cable retention

Set with 10 x 6 cable retentions  
 30 pieces for cable diameter: Ø 10-14 mm  
 30 pieces for cable diameter: Ø 13-16 mm

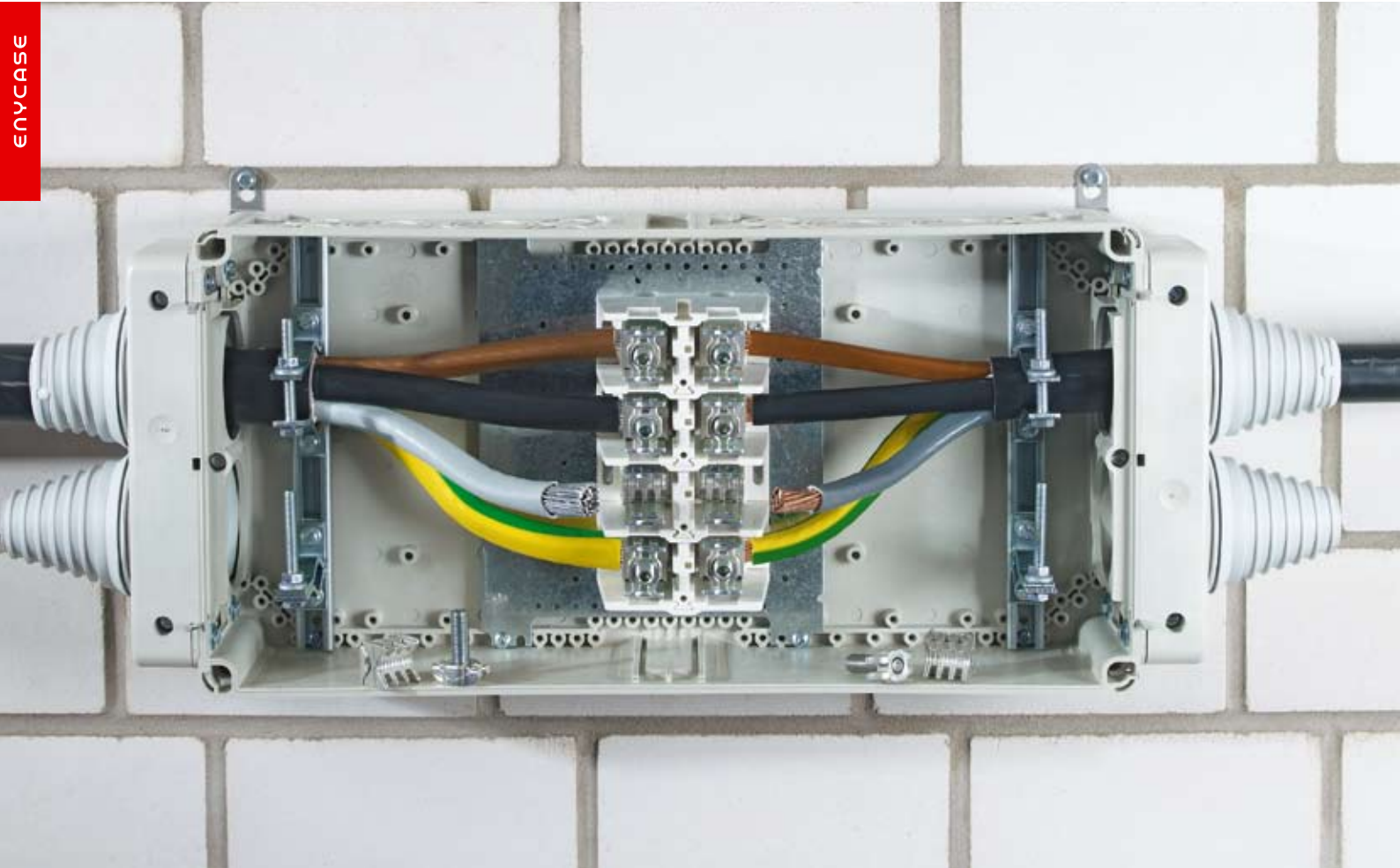


#### DE MB 10 Assembly bracket

10 items  
 material: thermoplastics  
 for quick installation of cable junction boxes DE 9220.  
 and DN 20 ..



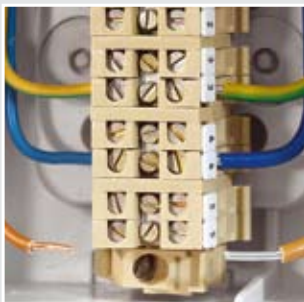
## DK Cable junction boxes with terminals for aluminium and copper conductors cable entry via metric knockouts



Degree of protection up to IP 65. In the case of twisted cables, cable glands are required in principle to achieve the degree of protection IP 54.



Stainless steel cover screws with quick fastening metric thread. Reducing cover fixing time.



Separate clamping units for aluminium and copper conductors.



Labelling system for circuit description.

Label template on the Internet at [www.hensel-electric.de](http://www.hensel-electric.de) - in the 'Downloads' area.



Hensel cable junction boxes with armoured cables according to British Standard.



Burning behaviour: Glow wire test according to IEC 60 695-2-11: 750 °C, flame-retardant, self-extinguishing



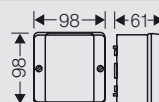
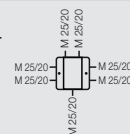
## DK Cable junction boxes with terminals for aluminium and copper conductors cable entry via metric knockouts

- In the case of twisted cables, cable glands are required in principle to achieve the degree of protection IP 54.
- Prior to connection, aluminium conductors must be prepared according to the relevant technical recommendations.
- See Technical details for more information about terminal assignment
- material: thermoplastic
- colour: grey, RAL 7032



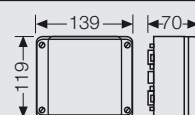
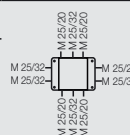
### D 9041 1.5-2.5 mm<sup>2</sup>, Cu/Alu, 3~

5-pole,  
per pole 4 x 1.5 mm<sup>2</sup> sol/f, 4 x 2.5 mm<sup>2</sup> sol/f  
rated insulation voltage AC/DC 250 V  
current carrying capacity of the terminal 20 A  
included cable entry 4 ESM 25  
(sealing range Ø 9-17 mm)  
degree of protection: IP 55 (ESM)  
degree of protection: IP 65 (refer to index ENYFIT)



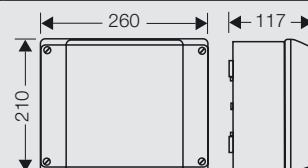
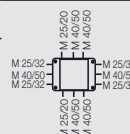
### K 9061 1.5-4 mm<sup>2</sup>, Cu/Alu, 3~

5-pole,  
per pole 4 x 1.5 mm<sup>2</sup> sol/f, 4 x 2.5 mm<sup>2</sup> sol/f,  
4 x 4 mm<sup>2</sup> sol/f  
rated insulation voltage AC/DC 400 V  
current carrying capacity of the terminal 20 A  
included cable entry 3 ESM 32  
(sealing range Ø 9-23 mm)  
degree of protection: IP 55 (ESM)  
degree of protection: IP 65 (refer to index ENYFIT)



### K 9351 6-16 mm<sup>2</sup>, Cu/Alu, 3~

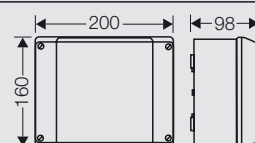
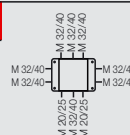
5-pole,  
per pole 4 x 6 mm<sup>2</sup> sol/f, 4 x 10 mm<sup>2</sup> sol/f,  
4 x 16 mm<sup>2</sup> sol/f  
rated insulation voltage AC/DC 690 V  
current carrying capacity of the terminal 76 A  
included cable entry 3 ESM 40  
(sealing range Ø 17-30 mm)  
degree of protection: IP 55 (ESM)  
degree of protection: IP 65 (refer to index ENYFIT)



### KF 9251 1.5-50 mm<sup>2</sup>, Cu/Alu, 3~

**new**

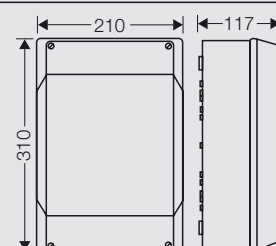
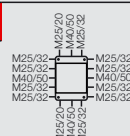
5-pole,  
per pole 2 x 1 x 1.5-50 mm<sup>2</sup>  
Conductors are inserted into the screw-type  
terminal  
for terminal technology refer to technical data  
rated insulation voltage AC/DC 690 V  
current carrying capacity of the terminal 150 A  
included cable entry 2 EDK 40  
(sealing range Ø 11-30 mm)  
degree of protection: IP 65



### KF 9501 1.5-50 mm<sup>2</sup>, Cu/Alu, 3~

**new**

5-pole,  
per pole 2 x 1 x 1.5-50 mm<sup>2</sup>  
Conductors are inserted into the screw-type  
terminal  
for terminal technology refer to technical data  
rated insulation voltage AC/DC 690 V  
current carrying capacity of the terminal 150 A  
included cable entry 2 EDK 40  
(sealing range Ø 11-30 mm)  
degree of protection: IP 65



## DK Cable junction boxes

### with terminals for aluminium and copper conductors cable entry via metric knockouts

■ **sealable**

- Order cable glands, flanges and other accessories separately as required
- Prior to connection, aluminium conductors must be prepared according to the relevant technical recommendations.

■ rated insulation voltage: AC/DC 690 V

■ degree of protection: IP 65

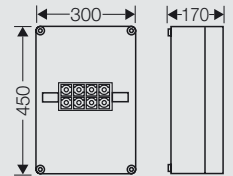
■ material: thermoplastic

■ colour: grey, RAL 7032



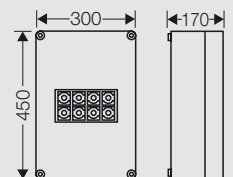
**K 7051 2.5-50 mm², Cu/Alu, 3~**

5-pole,  
per pole 4 x 2.5-50 mm²  
Conductors are inserted into the screw-type terminal  
Terminal technology, see annex DK Cable junction boxes  
cable entry via flanges, see accessories



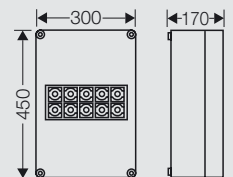
**K 7042 10-95 mm², Cu/Alu, 3~**

4-pole,  
per pole 2 x 10-95 mm²  
Conductors can be inserted from the front into the clamping unit  
Terminal technology, see annex DK Cable junction boxes  
cable entry via flanges, see accessories



**K 7052 10-95 mm², Cu/Alu, 3~**

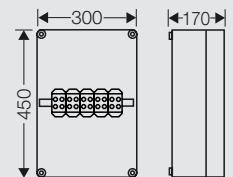
5-pole,  
per pole 2 x 10-95 mm²  
Conductors can be inserted from the front into the clamping unit  
Terminal technology, see annex DK Cable junction boxes  
cable entry via flanges, see accessories



**K 9951 6-95 mm², Cu/Alu, 3~**

**new**

5-pole,  
per pole 4 x 6-95 mm²  
Conductors are inserted into the screw-type terminal  
Terminal technology, see annex DK Cable junction boxes  
cable entry via flanges, see accessories



**Box walls with metric knockouts:**



**Wall 2**

2 x M 20

10 x M 25

1 x M 32/40

**Wall 4**

1 x M 20

4 x M 25

1 x M 32/40

3 x M 40/50



## DK Cable junction boxes

### with terminals for aluminium and copper conductors

### cable entry via metric knockouts

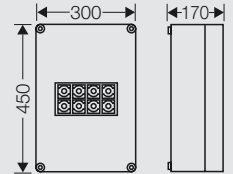
- **sealable**
- Order cable glands, flanges and other accessories separately as required
- Prior to connection, aluminium conductors must be prepared according to the relevant technical recommendations.

- rated insulation voltage: AC/DC 690 V
- degree of protection: IP 65
- material: thermoplastic
- colour: grey, RAL 7032



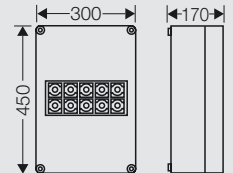
**K 1204**    **16-150 mm<sup>2</sup>, Cu/Alu, 3~**

4-pole,  
per pole 2 x 16-150 mm<sup>2</sup> / 4 x 16-70 mm<sup>2</sup>  
Conductors can be inserted from the front into the clamping unit  
Terminal technology, see annex DK Cable junction boxes  
cable entry via flanges, see accessories



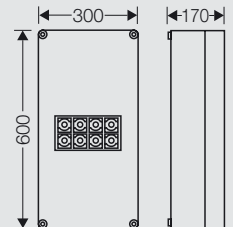
**K 1205**    **16-150 mm<sup>2</sup>, Cu/Alu, 3~**

5-pole,  
per pole 2 x 16-150 mm<sup>2</sup> / 4 x 16-70 mm<sup>2</sup>  
Conductors can be inserted from the front into the clamping unit  
Terminal technology, see annex DK Cable junction boxes  
cable entry via flanges, see accessories



**K 2404**    **25-240 mm<sup>2</sup>, Cu/Alu, 3~**

4-pole,  
per pole 2 x 25-185/240 mm<sup>2</sup> / 4 x 25-120 mm<sup>2</sup>  
Conductors can be inserted from the front into the clamping unit  
Terminal technology, see annex DK Cable junction boxes  
cable entry via flanges, see accessories



#### Box walls with metric knockouts:

Wall 2	Wall 3	Wall 4	Wall 5
2 x M 20 10 x M 25 1 x M 32/40	4 x M 25 3 x M 40/50	1 x M 20 4 x M 25 1 x M 32/40 3 x M 40/50	8 x M 32 4 x M 40/50



■ **sealable**

- Order cable glands, flanges and other accessories separately as required
- Prior to connection, aluminium conductors must be prepared according to the relevant technical recommendations.

- rated insulation voltage: AC/DC 690 V

- degree of protection: IP 65

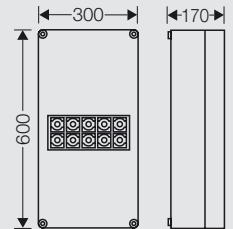
- material: thermoplastic

- colour: grey, RAL 7032



**K 2405**    **25-240 mm<sup>2</sup>, Cu/Alu, 3~**

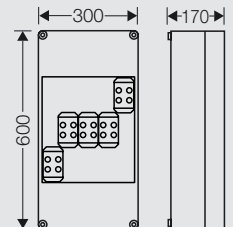
5-pole,  
per pole 2 x 25-185/240 mm<sup>2</sup> / 4 x 25-120 mm<sup>2</sup>  
Conductors can be inserted from the front into the clamping unit  
Terminal technology, see annex DK Cable junction boxes  
cable entry via flanges, see accessories



**K 2401**    **35-240 mm<sup>2</sup>, Cu/Alu, 3~**

**new**

5-pole,  
per pole 4 x 35-240 mm<sup>2</sup>  
Conductors are inserted into the screw-type terminal  
Terminal technology, see annex DK Cable junction boxes  
cable entry via flanges, see accessories



**Box walls with metric knockouts:**



**Wall 2**

2 x M 20  
10 x M 25  
1 x M 32/40

**Wall 3**

4 x M 25  
3 x M 40/50

**Wall 5**

8 x M 32  
4 x M 40/50

## DK Cable junction boxes

for outdoor installation (harsh environment and/or outdoor)  
cable/conduit entry via metric knockouts



### KF-Cable junction boxes

- degree of protection IP 66
- flame retardant, self-extinguishing, made of high-grade material: PC-GFS, glass-fibre reinforced thermoplastics, impact proof



### Burning behaviour:

#### Glow-wire test 960°C

according to IEC 60 695-2-11,  
UL Subject 94: V-0  
flame-retardant  
self-extinguishing



**KF-Cable junction boxes comply with regulatory restrictions for buildings with requirements regarding the structural fire protection!**

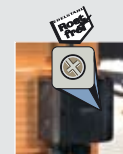
### halogen-free, silicone-free:

- low toxicity
- low fume development



### Weatherproof:

- UV resistant
- rainproof
- temperature resistant
- impact proof



Stainless steel cover screws with quick fastening metric thread. Reducing cover fixing time.



Hensel cable junction boxes with armoured cables according to British Standard.



Degree of protection IP 66 using cable glands ASS.. (colour black) or cable glands ASM.. (colour grey), available as an accessory.



## DK Cable junction boxes

for outdoor installation (harsh environment and/or outdoor)  
cable/conduit entry via metric knockouts

■ with terminals

- rated insulation voltage: AC/DC 690 V
- degree of protection: IP 66
- material: thermoplastic
- colour: grey, RAL 7032

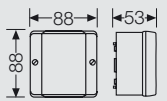
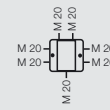


**KF 9025**

**1.5-2.5 mm<sup>2</sup>, Cu, 3~**



5-pole,  
per pole 6 x 1.5 mm<sup>2</sup> sol, 4 x 2.5 mm<sup>2</sup> sol,  
3 x 4 mm<sup>2</sup> sol  
cable entry: order ASM separately (refer to  
index ENYFIT)  
Det Norske Veritas Certificate No. E-9149  
Germanischer Lloyd Certificate No.: 12 941 - 11 HH

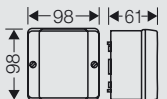
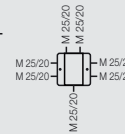


**KF 9045**

**1.5-4 mm<sup>2</sup>, Cu, 3~**



5-pole,  
per pole 6 x 1.5 mm<sup>2</sup> sol, 4 x 2.5 mm<sup>2</sup> sol,  
3 x 4 mm<sup>2</sup> sol, 2 x 6 mm<sup>2</sup> sol  
cable entry: order ASM separately (refer to  
index ENYFIT)  
Det Norske Veritas Certificate No. E-9149  
Germanischer Lloyd Certificate No.: 12 941 - 11 HH

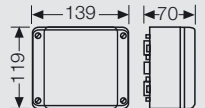
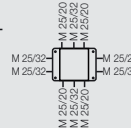


**KF 9065**

**2.5-6 mm<sup>2</sup>, Cu, 3~**



5-pole,  
per pole 4 x 2.5 mm<sup>2</sup> sol, 4 x 4 mm<sup>2</sup> sol,  
3 x 6 mm<sup>2</sup> sol, 2 x 10 mm<sup>2</sup> sol  
cable entry: order ASM separately (refer to  
index ENYFIT)  
Det Norske Veritas Certificate No. E-9149  
Germanischer Lloyd Certificate No.: 12 941 - 11 HH

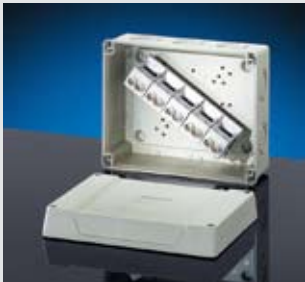
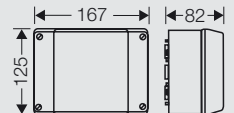
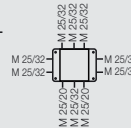


**KF 9105**

**4-10 mm<sup>2</sup>, Cu, 3~**



5-pole,  
per pole 6 x 2.5 mm<sup>2</sup> sol, 4 x 4 mm<sup>2</sup> sol,  
4 x 6 mm<sup>2</sup> sol, 4 x 10 mm<sup>2</sup> sol, 2 x 16 mm<sup>2</sup> s  
cable entry: order ASM separately (refer to  
index ENYFIT)  
Det Norske Veritas Certificate No. E-9149  
Germanischer Lloyd Certificate No.: 12 941 - 11 HH

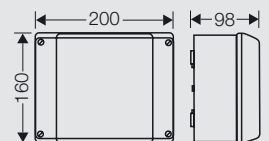
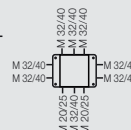


**KF 9255**

**10-25 mm<sup>2</sup>, Cu, 3~**



5-pole,  
per pole 6 x 10 mm<sup>2</sup> sol, 4 x 16 mm<sup>2</sup> s,  
4 x 25 mm<sup>2</sup> s, 2 x 35 mm<sup>2</sup> s  
cable entry: order ASM separately (refer to  
index ENYFIT)  
Det Norske Veritas Certificate No. E-9149  
Germanischer Lloyd Certificate No.: 12 941 - 11 HH

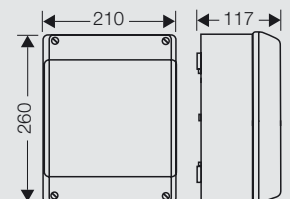
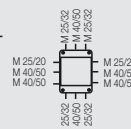


**KF 9355**

**16-35 mm<sup>2</sup>, Cu, 3~**



5-pole,  
per pole 6 x 16 mm<sup>2</sup> s, 4 x 25 mm<sup>2</sup> s,  
4 x 35 mm<sup>2</sup> s, 2 x 50 mm<sup>2</sup> s  
cable entry: order ASM separately (refer to  
index ENYFIT)  
Det Norske Veritas Certificate No. E-9149

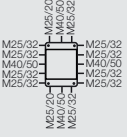
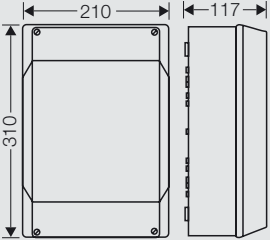


# DK Cable junction boxes for outdoor installation (harsh environment and/or outdoor) cable/conduit entry via metric knockouts

■ with terminals

- rated insulation voltage: AC/DC 690 V
- degree of protection: IP 66
- material: thermoplastic
- colour: grey, RAL 7032



<b>KF 9505</b>	<b>16-50 mm<sup>2</sup>, Cu, 3~</b>		
	5-pole, per pole 6 x 16 mm <sup>2</sup> s, 4 x 25 mm <sup>2</sup> s, 4 x 35 mm <sup>2</sup> s, 4 x 50 mm <sup>2</sup> s cable entry: order ASM separately (refer to index ENYFIT)		



## DK Cable junction boxes

for outdoor installation (harsh environment and/or outdoor)  
cable/conduit entry via metric knockouts

■ without terminals

■ degree of protection: IP 66

■ material: thermoplastic

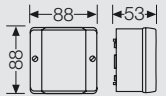
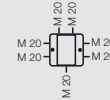
■ colour: grey, RAL 7032



### KF 9020



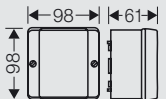
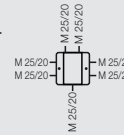
cable entry: order ASM separately (refer to index ENYFIT)  
Det Norske Veritas Certificate No. E-9149  
Germanischer Lloyd Certificate No.: 12 941 - 11 HH



### KF 9040



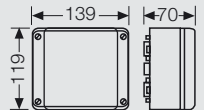
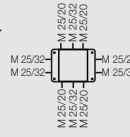
cable entry: order ASM separately (refer to index ENYFIT)  
Det Norske Veritas Certificate No. E-9149  
Germanischer Lloyd Certificate No.: 12 941 - 11 HH



### KF 9060



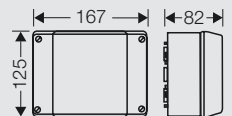
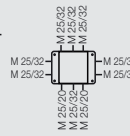
cable entry: order ASM separately (refer to index ENYFIT)  
Det Norske Veritas Certificate No. E-9149  
Germanischer Lloyd Certificate No.: 12 941 - 11 HH



### KF 9100



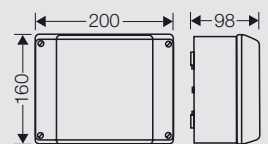
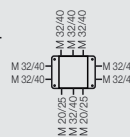
cable entry: order ASM separately (refer to index ENYFIT)  
Det Norske Veritas Certificate No. E-9149  
Germanischer Lloyd Certificate No.: 12 941 - 11 HH



### KF 9250



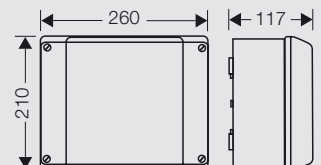
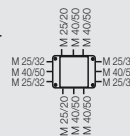
cable entry: order ASM separately (refer to index ENYFIT)  
Det Norske Veritas Certificate No. E-9149  
Germanischer Lloyd Certificate No.: 12 941 - 11 HH



### KF 9350



cable entry: order ASM separately (refer to index ENYFIT)  
Det Norske Veritas Certificate No. E-9149  
Germanischer Lloyd Certificate No.: 12 941 - 11 HH







# DK Cable junction boxes for outdoor installation (harsh environment and/or outdoor) cable/conduit entry via metric knockouts

- without terminals
- degree of protection: IP 66
- material: thermoplastic
- colour: grey, RAL 7032



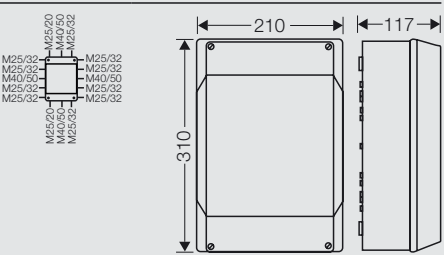
**KF 9500**

cable entry: order ASM separately (refer to index ENYFIT)

Det Norske Veritas Certificate No. E-9149

Germanischer Lloyd Certificate No.: 12 941 - 11 HH



## DK Cable junction boxes

for outdoor installation (harsh environment and/or outdoor)  
cable/conduit entry via metric knockouts

■ with terminals

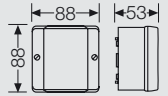
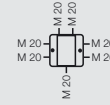
- rated insulation voltage: AC/DC 690 V
- degree of protection: IP 66
- material: thermoplastic
- colour: black, RAL 9011



### KF 5025 1.5-2.5 mm<sup>2</sup>, Cu, 3~



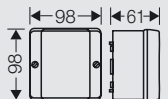
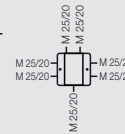
5-pole,  
per pole 6 x 1.5 mm<sup>2</sup> sol, 4 x 2.5 mm<sup>2</sup> sol,  
3 x 4 mm<sup>2</sup> sol  
cable entry: order ASS separately (refer to  
index ENYFIT)  
Det Norske Veritas Certificate No. E-9149  
Germanischer Lloyd Certificate No.: 12 941 - 11 HH



### KF 5045 1.5-4 mm<sup>2</sup>, Cu, 3~



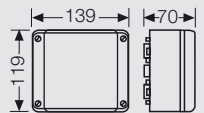
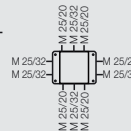
5-pole,  
per pole 6 x 1.5 mm<sup>2</sup> sol, 4 x 2.5 mm<sup>2</sup> sol,  
3 x 4 mm<sup>2</sup> sol, 2 x 6 mm<sup>2</sup> sol  
cable entry: order ASS separately (refer to  
index ENYFIT)  
Det Norske Veritas Certificate No. E-9149  
Germanischer Lloyd Certificate No.: 12 941 - 11 HH



### KF 5065 2.5-6 mm<sup>2</sup>, Cu, 3~



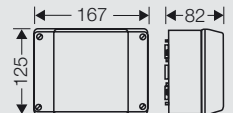
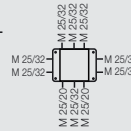
5-pole,  
per pole 4 x 2.5 mm<sup>2</sup> sol, 4 x 4 mm<sup>2</sup> sol,  
3 x 6 mm<sup>2</sup> sol, 2 x 10 mm<sup>2</sup> sol  
cable entry: order ASS separately (refer to  
index ENYFIT)  
Det Norske Veritas Certificate No. E-9149  
Germanischer Lloyd Certificate No.: 12 941 - 11 HH



### KF 5105 4-10 mm<sup>2</sup>, Cu, 3~



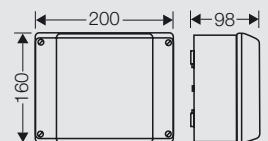
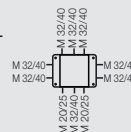
5-pole,  
per pole 6 x 2.5 mm<sup>2</sup> sol, 4 x 4 mm<sup>2</sup> sol,  
4 x 6 mm<sup>2</sup> sol, 4 x 10 mm<sup>2</sup> sol, 2 x 16 mm<sup>2</sup> s  
cable entry: order ASS separately (refer to  
index ENYFIT)  
Det Norske Veritas Certificate No. E-9149  
Germanischer Lloyd Certificate No.: 12 941 - 11 HH



### KF 5255 10-25 mm<sup>2</sup>, Cu, 3~



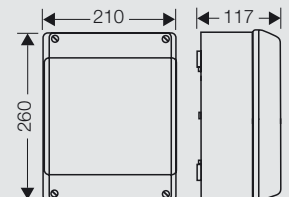
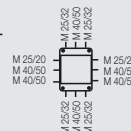
5-pole,  
per pole 6 x 10 mm<sup>2</sup> sol, 4 x 16 mm<sup>2</sup> s,  
4 x 25 mm<sup>2</sup> s, 2 x 35 mm<sup>2</sup> s  
cable entry: order ASS separately (refer to  
index ENYFIT)  
Det Norske Veritas Certificate No. E-9149  
Germanischer Lloyd Certificate No.: 12 941 - 11 HH



### KF 5355 16-35 mm<sup>2</sup>, Cu, 3~



5-pole,  
per pole 6 x 16 mm<sup>2</sup> s, 4 x 25 mm<sup>2</sup> s,  
4 x 35 mm<sup>2</sup> s, 2 x 50 mm<sup>2</sup> s  
cable entry: order ASS separately (refer to  
index ENYFIT)  
Det Norske Veritas Certificate No. E-9149

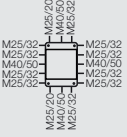
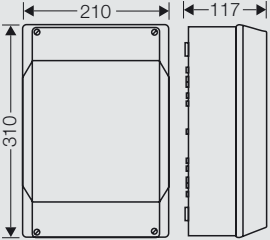


# DK Cable junction boxes for outdoor installation (harsh environment and/or outdoor) cable/conduit entry via metric knockouts

■ with terminals

- rated insulation voltage: AC/DC 690 V
- degree of protection: IP 66
- material: thermoplastic
- colour: black, RAL 9011



<b>KF 5505</b>	<b>16-50 mm<sup>2</sup>, Cu, 3~</b>		
	5-polig je Pol 6 x 16 mm <sup>2</sup> s, 4 x 25 mm <sup>2</sup> s, 4 x 35 mm <sup>2</sup> s, 4 x 50 mm <sup>2</sup> s cable entry: order ASS separately (refer to index ENYFIT)		

## DK Cable junction boxes

for outdoor installation (harsh environment and/or outdoor)  
cable/conduit entry via metric knockouts

■ without terminals

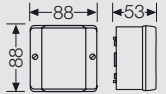
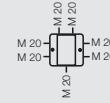
■ degree of protection: IP 66  
■ material: thermoplastic  
■ colour: black, RAL 9011



### KF 5020



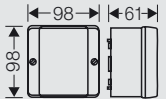
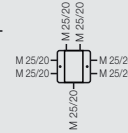
cable entry: order ASS separately (refer to index ENYFIT)  
Det Norske Veritas Certificate No. E-9149  
Germanischer Lloyd Certificate No.: 12 941 - 11 HH



### KF 5040



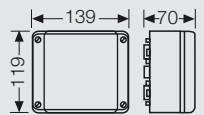
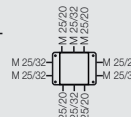
cable entry: order ASS separately (refer to index ENYFIT)  
Det Norske Veritas Certificate No. E-9149  
Germanischer Lloyd Certificate No.: 12 941 - 11 HH



### KF 5060



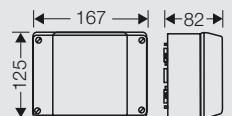
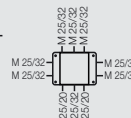
cable entry: order ASS separately (refer to index ENYFIT)  
Det Norske Veritas Certificate No. E-9149  
Germanischer Lloyd Certificate No.: 12 941 - 11 HH



### KF 5100



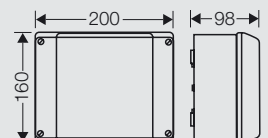
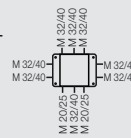
cable entry: order ASS separately (refer to index ENYFIT)  
Det Norske Veritas Certificate No. E-9149  
Germanischer Lloyd Certificate No.: 12 941 - 11 HH



### KF 5250



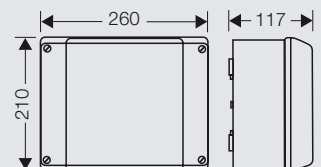
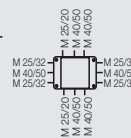
cable entry: order ASS separately (refer to index ENYFIT)  
Det Norske Veritas Certificate No. E-9149  
Germanischer Lloyd Certificate No.: 12 941 - 11 HH



### KF 5350



cable entry: order ASS separately (refer to index ENYFIT)  
Det Norske Veritas Certificate No. E-9149  
Germanischer Lloyd Certificate No.: 12 941 - 11 HH





# DK Cable junction boxes for outdoor installation (harsh environment and/or outdoor) cable/conduit entry via metric knockouts

- without terminals
- degree of protection: IP 66
- material: thermoplastic
- colour: black, RAL 9011



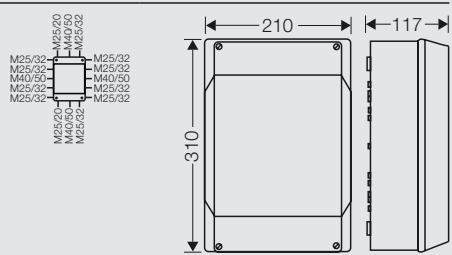
**KF 5500**

cable entry: order ASS separately (refer to index ENYFIT)

Det Norske Veritas Certificate No. E-9149

Germanischer Lloyd Certificate No.: 12 941 - 11 HH





## DK Cable junction boxes for outdoor installation (harsh environment and/or protected outdoor) box walls without knockouts



Cable entries can be drilled individually.



Hensel cable junction boxes can in general also be used in poor environmental conditions by using IP 66 cable glands ASM..



Hensel cable junction boxes with armoured cables according to British Standard.



Stainless steel cover screws with quick fastening metric thread. Reducing cover fixing time.



Labelling system for circuit description.



**Burning behaviour:**  
**Glow-wire test 960°C**  
according to IEC 60 695-2-11,  
UL Subject 94: V-0  
flame-retardant  
self-extinguishing



## DK Cable junction boxes

for outdoor installation (harsh environment and/or protected outdoor)  
box walls without knockouts

■ without terminals

■ degree of protection: IP 66

■ material: thermoplastic

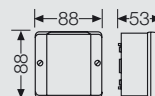
■ colour: grey, RAL 7032



### KF 8020



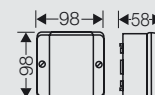
wall surface can be drilled individually  
for cable entry max. M 20  
Det Norske Veritas Certificate No. E-9149  
Germanischer Lloyd Certificate No.: 12 941 - 11 HH



### KF 8040



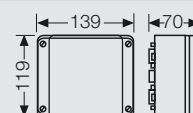
wall surface can be drilled individually  
for cable entry max. M 20  
Det Norske Veritas Certificate No. E-9149  
Germanischer Lloyd Certificate No.: 12 941 - 11 HH



### KF 8060



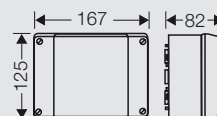
wall surface can be drilled individually  
for cable entry max. M 32  
Det Norske Veritas Certificate No. E-9149  
Germanischer Lloyd Certificate No.: 12 941 - 11 HH



### KF 8100



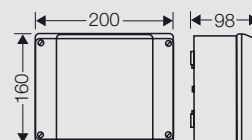
wall surface can be drilled individually  
for cable entry max. M 32  
Det Norske Veritas Certificate No. E-9149  
Germanischer Lloyd Certificate No.: 12 941 - 11 HH



### KF 8250



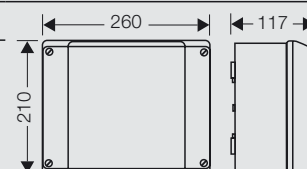
wall surface can be drilled individually  
for cable entry max. M 40  
Det Norske Veritas Certificate No. E-9149  
Germanischer Lloyd Certificate No.: 12 941 - 11 HH



### KF 8350



wall surface can be drilled individually  
for cable entry max. M 50  
Det Norske Veritas Certificate No. E-9149  
Germanischer Lloyd Certificate No.: 12 941 - 11 HH



## DK Cable junction boxes

for outdoor installation (harsh environment and/or protected outdoor)  
box walls without knockouts

■ without terminals

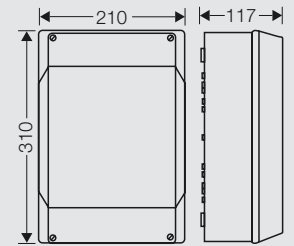
- degree of protection: IP 66
- material: thermoplastic
- colour: grey, RAL 7032



### KF 8500



wall surface can be drilled individually  
for cable entry max. M 50  
Det Norske Veritas Certificate No. E-9149  
Germanischer Lloyd Certificate No.: 12 941 - 11 HH



## DK Cable junction boxes

for outdoor installation (harsh environment and/or protected outdoor)  
box walls without knockouts

■ without terminals

■ degree of protection: IP 66

■ material: thermoplastic

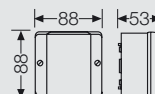
■ colour: black, RAL 9011



### KF 4020



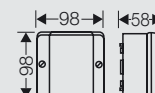
wall surface can be drilled individually  
for cable entry max. M 20  
Det Norske Veritas Certificate No. E-9149  
Germanischer Lloyd Certificate No.: 12 941 - 11 HH



### KF 4040



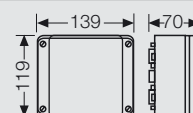
wall surface can be drilled individually  
for cable entry max. M 20  
Det Norske Veritas Certificate No. E-9149  
Germanischer Lloyd Certificate No.: 12 941 - 11 HH



### KF 4060



wall surface can be drilled individually  
for cable entry max. M 32  
Det Norske Veritas Certificate No. E-9149  
Germanischer Lloyd Certificate No.: 12 941 - 11 HH



### KF 4100



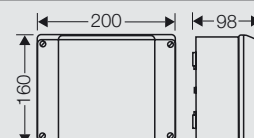
wall surface can be drilled individually  
for cable entry max. M 32  
Det Norske Veritas Certificate No. E-9149  
Germanischer Lloyd Certificate No.: 12 941 - 11 HH



### KF 4250



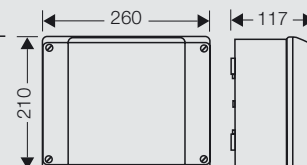
wall surface can be drilled individually  
for cable entry max. M 40  
Det Norske Veritas Certificate No. E-9149  
Germanischer Lloyd Certificate No.: 12 941 - 11 HH



### KF 4350



wall surface can be drilled individually  
for cable entry max. M 50  
Det Norske Veritas Certificate No. E-9149  
Germanischer Lloyd Certificate No.: 12 941 - 11 HH



## DK Cable junction boxes

for outdoor installation (harsh environment and/or protected outdoor)  
box walls without knockouts

■ without terminals

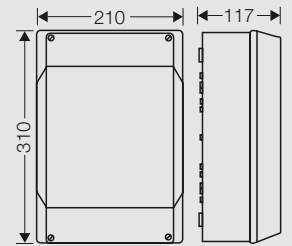
- degree of protection: IP 66
- material: thermoplastic
- colour: black, RAL 9011



### KF 4500



wall surface can be drilled individually  
for cable entry max. M 50  
Det Norske Veritas Certificate No. E-9149  
Germanischer Lloyd Certificate No.: 12 941 - 11 HH





## DK Cable junction boxes

for outdoor installation (harsh environment and/or outdoor)  
approved for United States and Canada (UL/CSA)  
box walls without knockouts



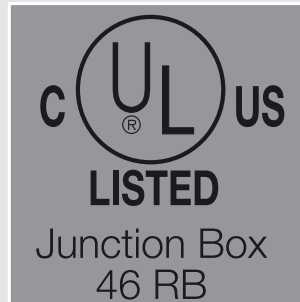
Cable entries can be drilled individually.



Hensel cable junction boxes can in general also be used in poor environmental conditions by using IP 65 cable glands AKM/ASM.



Cable junction boxes with external brackets made of stainless steel.



Approved for United States and Canada



Stainless steel cover screws with quick fastening metric thread. Reducing cover fixing time.



**Burning behaviour:**  
**Glow-wire test 960°C**  
according to IEC 60 695-2-11,  
UL Subject 94: V-0  
flame-retardant  
self-extinguishing



## DK Cable junction boxes

for outdoor installation (harsh environment and/or outdoor)  
approved for United States and Canada (UL/CSA)  
box walls without knockouts

■ without terminals

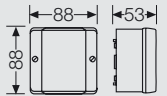
■ degree of protection: IP 65 (Nema 4X)  
■ material: thermoplastic  
■ colour: grey, RAL 7032



### KF 7020



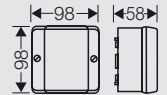
wall surface can be drilled individually  
for cable entry M 20, NPT 3/8", NPT 1/2",  
2 external brackets



### KF 7040



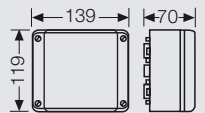
wall surface can be drilled individually  
for cable entry M 20, NPT 3/8", NPT 1/2",  
2 external brackets



### KF 7060



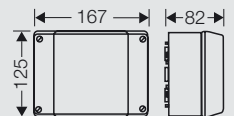
wall surface can be drilled individually  
for cable entry M 20/25/32, NPT 3/8", NPT 1/2", NPT 3/4",  
2 external brackets



### KF 7100



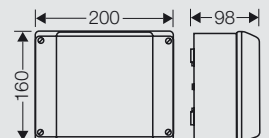
wall surface can be drilled individually  
for cable entry M 20/25/32, NPT 3/8", NPT 1/2", NPT 3/4",  
NPT 1"  
2 external brackets



### KF 7250



wall surface can be drilled individually  
for cable entry M 20/25/32/40, NPT 3/8", NPT 1/2", NPT 3/4",  
NPT 1"  
4 external brackets





Cable entries can be drilled individually.



**Acid- and saltwater-resistant**  
lid screws made of V4A stainless steel with quick fastening metric thread.  
Reducing cover fixing time.



**Degree of protection IP 66 / IP 67**  
with cable glands ASS..  
available as an accessory.



**Degree of protection IP 66 / IP 67**  
temporary submersion  
up to 1 meter, max. 15 minutes.

- Saltwater-proof
- UV-resistant
- Temperature resistant (-25 up to 70°C)



Hensel cable junction boxes with armoured cables according to British Standard.



Material:  
- halogen free  
- impact-resistant  
- low toxicity

**Burning behaviour:**  
**Glow-wire test 960°C**  
according to IEC 60 695-2-11, UL Subject 94: 5V flame-retardant self-extinguishing





# DK Cable junction boxes for offshore applications cable entries via metric knockouts

■ with terminals

■ degree of protection: IP 66 / IP 67  
temporary submersion up to 1 meter,  
max. 15 minutes  
■ material: thermoplastic  
■ colour: black, RAL 9011

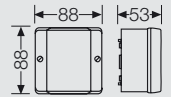
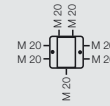


**KD 5025**

**1.5-2.5 mm<sup>2</sup>, Cu, 3~**



5-pole,  
per pole 6 x 1.5 mm<sup>2</sup> sol, 4 x 2.5 mm<sup>2</sup> sol,  
3 x 4 mm<sup>2</sup> sol  
cable entry: order ASS separately  
(refer to index ENYFIT)  
Det Norske Veritas Certificate No.: E-9693  
Germanischer Lloyd Certificate No.: 12 941 - 11 HH



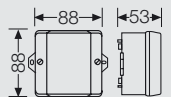
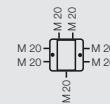
**KD 5125**

**1.5-2.5 mm<sup>2</sup>, Cu, 3~**

**new**

**with external fixing**

5-pole,  
per pole 6 x 1.5 mm<sup>2</sup> sol, 4 x 2.5 mm<sup>2</sup> sol,  
3 x 4 mm<sup>2</sup> sol  
cable entry: order ASS separately  
(refer to index ENYFIT)  
Approvals under preparation

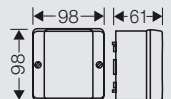
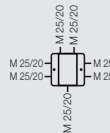


**KD 5045**

**1.5-4 mm<sup>2</sup>, Cu, 3~**



5-pole,  
per pole 6 x 1.5 mm<sup>2</sup> sol, 4 x 2.5 mm<sup>2</sup> sol,  
3 x 4 mm<sup>2</sup> sol, 2 x 6 mm<sup>2</sup> sol  
cable entry: order ASS separately  
(refer to index ENYFIT)  
Det Norske Veritas Certificate No.: E-9693  
Germanischer Lloyd Certificate No.: 12 941 - 11 HH

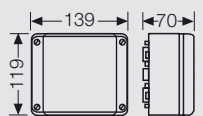
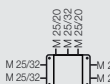


**KD 5065**

**2.5-6 mm<sup>2</sup>, Cu, 3~**



5-pole,  
per pole 4 x 2.5 mm<sup>2</sup> sol, 4 x 4 mm<sup>2</sup> sol,  
3 x 6 mm<sup>2</sup> sol, 2 x 10 mm<sup>2</sup> sol  
cable entry: order ASS separately  
(refer to index ENYFIT)  
Det Norske Veritas Certificate No.: E-9693  
Germanischer Lloyd Certificate No.: 12 941 - 11 HH

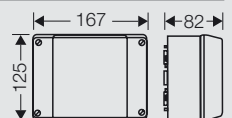
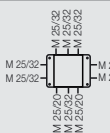


**KD 5105**

**4-10 mm<sup>2</sup>, Cu, 3~**



5-pole,  
per pole 6 x 2.5 mm<sup>2</sup> sol, 4 x 4 mm<sup>2</sup> sol,  
4 x 6 mm<sup>2</sup> sol, 4 x 10 mm<sup>2</sup> sol, 2 x 16 mm<sup>2</sup> s  
cable entry: order ASS separately  
(refer to index ENYFIT)  
Det Norske Veritas Certificate No.: E-9693  
Germanischer Lloyd Certificate No.: 12 941 - 11 HH

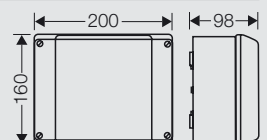
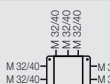


**KD 5255**

**10-25 mm<sup>2</sup>, Cu, 3~**



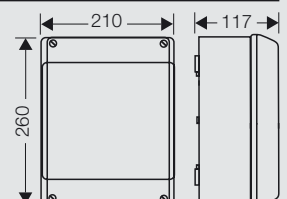
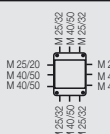
5-pole,  
per pole 6 x 10 mm<sup>2</sup> sol, 4 x 16 mm<sup>2</sup> s,  
4 x 25 mm<sup>2</sup> s, 2 x 35 mm<sup>2</sup> s  
cable entry: order ASS separately  
(refer to index ENYFIT)  
Det Norske Veritas Certificate No.: E-9693  
Germanischer Lloyd Certificate No.: 12 941 - 11 HH



**KD 5355**

**16-35 mm<sup>2</sup>, Cu, 3~**

5-pole,  
per pole 6 x 16 mm<sup>2</sup> s, 4 x 25 mm<sup>2</sup> s,  
4 x 35 mm<sup>2</sup> s, 2 x 50 mm<sup>2</sup> s  
cable entry: order ASS separately  
(refer to index ENYFIT)



## DK Cable junction boxes for offshore applications cable entries via metric knockouts

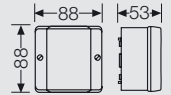
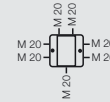
- without terminals
- acid-resistant lid screws made of stainless steel
- saltwater-proof
- degree of protection: IP 66 / IP 67  
temporary submersion up to 1 meter,  
max. 15 minutes
- material: thermoplastic
- colour: black, RAL 9011



### KD 5020



cable entry order ASS separately  
(refer to index ENYFIT)  
Det Norske Veritas Certificate No.: E-9693  
Germanischer Lloyd Certificate No.: 12 941 - 11 HH

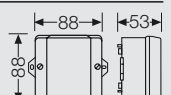
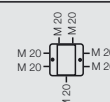


### KD 5120

**new**



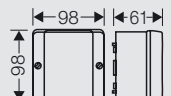
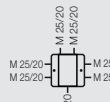
**with external fixing**  
cable entry order ASS separately  
(refer to index ENYFIT)  
Approvals under preparation



### KD 5040



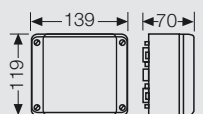
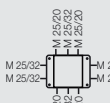
cable entry order ASS separately  
(refer to index ENYFIT)  
Det Norske Veritas Certificate No.: E-9693  
Germanischer Lloyd Certificate No.: 12 941 - 11 HH



### KD 5060



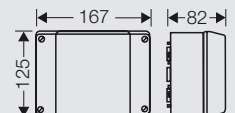
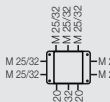
cable entry order ASS separately  
(refer to index ENYFIT)  
Det Norske Veritas Certificate No.: E-9693  
Germanischer Lloyd Certificate No.: 12 941 - 11 HH



### KD 5100



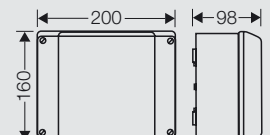
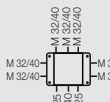
cable entry order ASS separately  
(refer to index ENYFIT)  
Det Norske Veritas Certificate No.: E-9693  
Germanischer Lloyd Certificate No.: 12 941 - 11 HH



### KD 5250



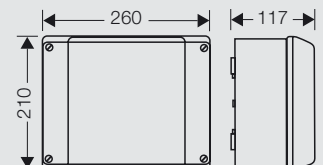
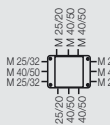
cable entry order ASS separately  
(refer to index ENYFIT)  
Det Norske Veritas Certificate No.: E-9693  
Germanischer Lloyd Certificate No.: 12 941 - 11 HH



### KD 5350



cable entry order ASS separately  
(refer to index ENYFIT)  
Det Norske Veritas Certificate No.: E-9693  
Germanischer Lloyd Certificate No.: 12 941 - 11 HH





## DK Cable junction boxes for offshore applications box walls without knockouts

### ■ without terminals

- acid-resistant lid screws made of stainless steel
- saltwater-proof

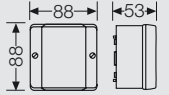
- degree of protection: IP 66 / IP 67  
temporary submersion up to 1 meter,  
max. 15 minutes
- material: thermoplastic
- colour: black, RAL 9011



#### KD 4020



wall surface can be drilled individually  
for cable entry max. M 20  
Det Norske Veritas Certificate No.: E-9693  
Germanischer Lloyd Certificate No.: 12 941 - 11 HH

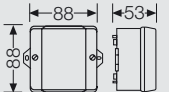


#### KD 4120

**new**

#### with external fixing

wall surface can be drilled individually  
for cable entry max. M 20  
Approvals under preparation



#### KD 4040



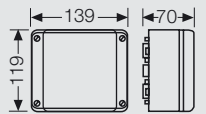
wall surface can be drilled individually  
for cable entry max. M 20  
Det Norske Veritas Certificate No.: E-9693  
Germanischer Lloyd Certificate No.: 12 941 - 11 HH



#### KD 4060



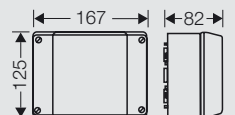
wall surface can be drilled individually  
for cable entry max. M 32  
Det Norske Veritas Certificate No.: E-9693  
Germanischer Lloyd Certificate No.: 12 941 - 11 HH



#### KD 4100



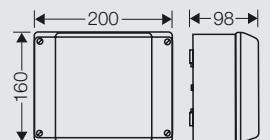
wall surface can be drilled individually  
for cable entry max. M 32  
Det Norske Veritas Certificate No.: E-9693  
Germanischer Lloyd Certificate No.: 12 941 - 11 HH



#### KD 4250



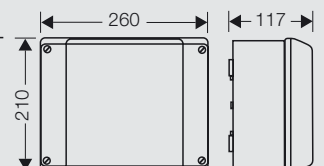
wall surface can be drilled individually  
for cable entry max. M 40  
Det Norske Veritas Certificate No.: E-9693  
Germanischer Lloyd Certificate No.: 12 941 - 11 HH



#### KD 4350



wall surface can be drilled individually  
for cable entry max. M 50  
Det Norske Veritas Certificate No.: E-9693  
Germanischer Lloyd Certificate No.: 12 941 - 11 HH



## DK Cable junction boxes

tested for intrinsic fire resistance  
cable entry via mounted grommets



Cable junction boxes IP 65 / IP 66 according to IEC 60 998-2-5, tested for intrinsic fire resistance.

FK Cable junction boxes comply with these requirements when used together with type-approved cables as well as suitable cable clamps or mounting devices.



- Cable junction boxes tested for intrinsic fire resistance
- Degree of protection IP 65 / IP 66
- Box made from sheet steel with powder coating / Duroplastic
- pastel orange RAL 2003
- Intrinsic fire resistance according to DIN 4102 part 12 (German standard) together with function-retaining cables of 0.5-16 mm<sup>2</sup>
- Tested for intrinsic fire resistance according to DIN 4102 part 2 (German standard)
- Cover with 4 captive screws

**Material: Insulating material / Duroplast**

### Special characteristics:

- Impact strength: IK 06 (1 Joule)
- Mounting via internal fixing with approved universal anchors (included)
- Halogen-free
- Protection against electric shock: insulated

**Material: Sheet steel, powder-coated**

### Special characteristics:

- Impact strength: IK 10 (20 Joule)
- Mounting via external brackets for use with fixings approved by the building authorities
- Halogen-free
- Protection against electric shock: earthed
- No additional fire load, no toxic or corrosive emissions
- Protection against direct contact also maintained due to the box

## DK Cable junction boxes tested for intrinsic fire resistance with included grommets

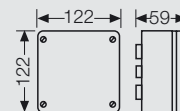
- degree of protection: IP 65
- rated insulation voltage: AC/DC400 V

- connecting terminal made from ceramic with resistance to high temperatures
- The enclosed screw anchors can be used for concrete C20/25, limestone blocks KSV 12, building bricks MZ 12 and clinker bricks KS 12.
- material: Duroplastic
- colour: orange RAL 2003



### FK 7045 Connection box for 2 cables Ø 0,8 mm / 0.5-4 mm², Cu Junction box Ø 0,8 mm / 0.5-1.5 mm², Cu

5-pole,  
per pole 4 x Ø 0,8 mm / 0.5 mm² sol, 4 x 1.5 mm² sol,  
2 x 2.5 mm² sol, 2 x 4 mm² sol  
included cable entry 4 EDKF 32  
(sealing range Ø 8-23 mm)



Tested with the cable manufacturers Dätwyler, Eupen, Studer, Prysmian and Nexans for the intrinsic fire resistance E30 and E90, see test certificate no.: P-MPA-E-08-021, download available from [www.hensel-electric.de](http://www.hensel-electric.de)



### FK 7105 Connection box for 2 cables 1.5-10 mm², Cu Junction box 1.5-4 mm², Cu

5-pole,  
per pole 4 x 1.5 mm² sol, 4 x 2.5 mm² sol, 4 x 4 mm² sol,  
2 x 6 mm² sol, 2 x 10 mm² sol,  
included cable entry 4 EDKF 40  
(sealing range Ø 11-30 mm)

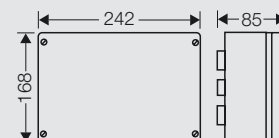


Tested with the cable manufacturers Dätwyler, Eupen, Studer, Prysmian and Nexans for the intrinsic fire resistance E30 and E90, see test certificate no.: P-MPA-E-08-021, download available from [www.hensel-electric.de](http://www.hensel-electric.de)



### FK 7165 Connection box for 2 cables 1.5-16 mm², Cu Junction box 1.5-6 mm², Cu

5-pole,  
per pole 4 x 1.5 mm² sol, 4 x 2.5 mm² sol, 4 x 4 mm² sol,  
4 x 6 mm² sol, 2 x 10 mm² sol, 2 x 16 mm² s, without wire  
protection  
included cable entry 4 EDKF 40  
(sealing range Ø 11-30 mm)



Tested with the cable manufacturers Dätwyler, Eupen, Studer, Prysmian and Nexans for the intrinsic fire resistance E30 and E90, see test certificate no.: P-MPA-E-08-021, download available from [www.hensel-electric.de](http://www.hensel-electric.de)

## DK Cable junction boxes

### tested for intrinsic fire resistance

### cable entry via mounted grommets

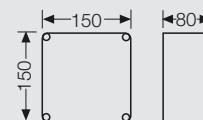
- **degree of protection: IP 66**
- **rated insulation voltage: AC/DC 400 V**
- **connecting terminal made from ceramic with resistance to high temperatures**
- **4 mounted grommets IP 66, closed**
- **material: sheet steel, powder-coated**
- **colour: orange, RAL 2003**
- **mounted using exterior wall fixings (for dowels refer to technical data)**



#### **FK 9025 Connection box for 2 cables Ø 0,8 mm / 0.5-4 mm², Cu** **Junction box Ø 0,8 mm / 0.5-1.5 mm², Cu**

5-pole,  
per pole 4 x Ø 0,8 mm / 0.5 mm² sol, 4 x 1.5 mm² sol,  
2 x 2.5 mm² sol, 2 x 4 mm² sol  
mounted cable entry 4 EDKF 32  
(sealing range Ø 8-23 mm)

Tested with cable manufacturers Dätwyler, Eupen, Nexans, Studer, Pirelli and Lynenwerk for the intrinsic fire resistance E30 and E90, see test certificate no.: P-MPA-E-02-032, download available from [www.hensel-electric.de](http://www.hensel-electric.de)



#### **FK 9105 Connection box for 2 cables 1.5-10 mm², Cu** **Junction box 1.5-4 mm², Cu**

5-pole,  
per pole 4 x 1.5 mm² sol, 4 x 2.5 mm² sol, 4 x 4 mm² sol,  
2 x 6 mm² sol, 2 x 10 mm² sol  
mounted cable entry 4 EDKF 32  
(sealing range Ø 8-23 mm)

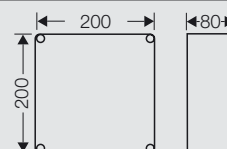
Tested with cable manufacturers Dätwyler, Eupen, Nexans and Pirelli for the intrinsic fire resistance E30 and E90, see test certificate no.: P-MPA-E-02-032, download available from [www.hensel-electric.de](http://www.hensel-electric.de)



#### **FK 9255 Connection box for 2 cables 1.5-16 mm², Cu** **Junction box 1.5-6 mm², Cu**

5-pole,  
per pole 4 x 1.5 mm² sol, 4 x 2.5 mm² sol, 4 x 4 mm² sol,  
4 x 6 mm² sol, 2 x 10 mm² sol, 2 x 16 mm² s, without wire  
protection  
mounted cable entry 4 EDKF 40  
(sealing range Ø 11-30 mm)

Tested with cable manufacturers Dätwyler, Eupen, Nexans and Pirelli for the intrinsic fire resistance E30 and E90, see test certificate no.: P-MPA-E-02-032, download available from [www.hensel-electric.de](http://www.hensel-electric.de)



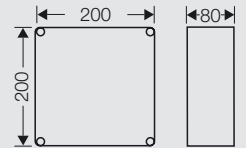
## DK Cable junction boxes tested for intrinsic fire resistance cable entry via mounted grommets

- **cable junction box with fused outgoing unit**
- intrinsic fire resistance E 30 in accordance with DIN 4102 part 12
- **degree of protection: IP 66**
- rated insulation voltage: AC 400 V
- terminal block made from ceramic with resistance to high temperatures
- D 01 neozed fuse base
- **material: sheet steel, powder-coated**
- colour: orange, RAL 2003
- 4 mounted grommets IP 66, closed
- mounted using exterior wall fixings (for dowels refer to technical data)



### FK 9259 1.5-10 mm<sup>2</sup>, Cu

5-pole,  
2 connecting terminals  
2 junction terminals  
2 PE terminals  
each 1.5-10 mm<sup>2</sup> sol,  
mounted cable entry 4 EDKF 40  
(sealing range Ø 11-30 mm)



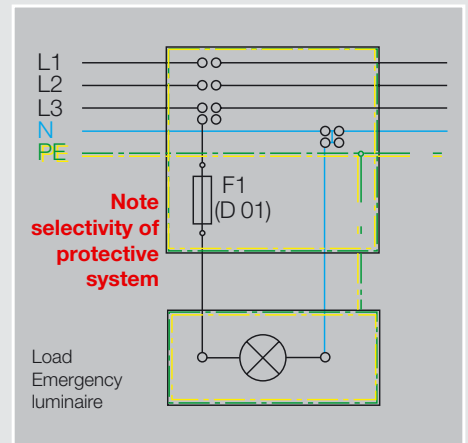
Tested with cable manufacturers Dätwyler and Nexans for the intrinsic fire resistance E30, see test certificate no.: P-MPA-E-02-032,  
download available from [www.hensel-electric.de](http://www.hensel-electric.de)

### FK 9259, with fused outgoing circuit

Can be used in emergency lighting in installations that cover a large area (e.g. tunnels).  
The use of a fused branch circuit makes it possible to supply a group of emergency luminaires with one supply lead.

If one or several emergency luminaires are damaged during a fire, the back-up fuse is tripped and ensures that the power supply of the common supply lead is maintained.

**The use of this equipment requires approval from the planning department and building control office for individual cases.**





# DK Cable junction boxes tested for intrinsic fire resistance Cable entries



- for indoor - normal environment and (or) protected outdoor installation
- ambient temperature - 25° to + 35° C
- material: thermoplastic
- colour: orange, RAL 2003

Grommets degree of protection: IP 66				
EDKF 32	for knockouts M 32	sealing range Ø 8-23 mm	bore-hole Ø 32.5 mm	wall thickness 1.5-3.5 mm
EDKF 40	for knockouts M 40	sealing range Ø 11-30 mm	bore-hole Ø 40.5 mm	wall thickness 1.5-3.5 mm

# DK Cable junction boxes for hazardous areas cable entry via metric knockouts



**In areas with an explosive atmosphere within the European Union only materials that comply with EU directive 94/9/EG (ATEX 100a) must be installed and meet with the corresponding national standards and regulations.**

## Selection of equipment:

1. The proprietor specifies the separation into explosive areas (dust/gas), the zones and the type of material (atmosphere/dust) with flash point, ignition temperature, conductive or non-conductive.
2. This information must be used to define the requirements in regard to selecting the right equipment.
3. The device ID must provide information about where and in which areas the equipment must be used (device category and, consequently, allocation to the hazard zone).



Degree of protection IP 65 using cable glands AXM.. available as an accessory



Stainless steel cover screws with quick fastening metric thread. Reducing cover fixing time.



**Burning behaviour:**  
**Glow-wire test 960°C**  
according to IEC 60 695-2-11,  
flame-retardant  
self-extinguishing




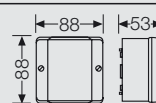
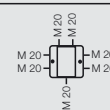
**ATEX E-mail:**  
**info@hensel-atex.de**  
**www.hensel-atex.de**


## DK Cable junction boxes for hazardous areas cable entry via metric knockouts

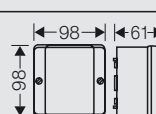
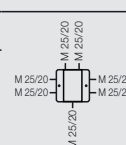
- in accordance with standard 94/9/EG (ATEX)
- with terminals
- for hazardous areas applicable in zones 2 and 22, Group II, Category 3, Protection type nA
- degree of protection: IP 65
- material: thermoplastic
- colour: black, RAL 9011




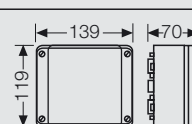
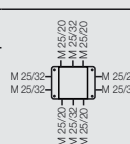
KX 2025	1.5-2.5 mm <sup>2</sup> , Cu, 3~
	<p>5-pole, per pole 4 x 1.5 mm<sup>2</sup> sol, 4 x 2.5 mm<sup>2</sup> sol rated current: 1.5 mm<sup>2</sup> (sol) 20 A 2.5 mm<sup>2</sup> (sol) 25 A rated insulation voltage AC 500 V cable entry: order AXM separately sealing screw plugs 5x VXM 20 included Explosionsschutzkennzeichnung II 3 G Ex nA T5 II 3 D Ex tD A 22 T100°C</p>



KX 2045	1.5-4 mm <sup>2</sup> , Cu, 3~
	<p>5-pole, per pole 4 x 1.5 mm<sup>2</sup> sol, 4 x 2.5 mm<sup>2</sup> sol, 4 x 4 mm<sup>2</sup> sol rated current: 1.5 mm<sup>2</sup> (sol) 20 A 2.5 mm<sup>2</sup> (sol) 32 A 4 mm<sup>2</sup> (sol) 40 A rated insulation voltage AC 500 V cable entry: order AXM separately sealing screw plugs 5x VXM 25 included Explosion protection code II 3 G Ex nA T5 II 3 D Ex tD A 22 T100°C</p>



KX 2065	2.5-6 mm <sup>2</sup> , Cu, 3~
	<p>5-pole, per pole 4 x 2.5 mm<sup>2</sup> sol, 4 x 4 mm<sup>2</sup> sol, 4 x 6 mm<sup>2</sup> sol rated current: 2.5 mm<sup>2</sup> (sol) 32 A 4 mm<sup>2</sup> (sol) 40 A 6 mm<sup>2</sup> (sol) 50 A rated insulation voltage AC 500 V cable entry: order AXM separately sealing screw plugs 3x VXM 32 and 5x VXM 25 included Explosion protection code II 3 G Ex nA T5 II 3 D Ex tD A 22 T100°C</p>

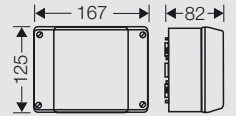
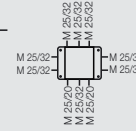


## DK Cable junction boxes for hazardous areas cable entry via metric knockouts

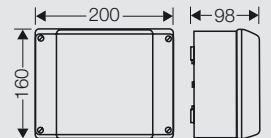
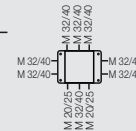
- in accordance with standard 94/9/EG (ATEX)
- with terminals
- for hazardous areas applicable in zones 2 and 22, Group II, Category 3, Protection type nA
- degree of protection: IP 65
- material: thermoplastic
- colour: black, RAL 9011


**KX 2105**
**4-10 mm<sup>2</sup>, Cu, 3~**


5-pole,  
per pole 6 x 2.5 mm<sup>2</sup> sol, 4 x 4 mm<sup>2</sup> sol,  
4 x 6 mm<sup>2</sup> sol, 4 x 10 mm<sup>2</sup> sol  
rated current:  
2.5 mm<sup>2</sup> (sol) 32 A  
4 mm<sup>2</sup> (sol) 40 A  
6 mm<sup>2</sup> (sol) 50 A  
10 mm<sup>2</sup> (sol) 63 A  
rated insulation voltage AC 690 V  
cable entry: order AXM separately  
sealing screw plugs 6x VXM 32 and  
2x VXM 25 included  
Explosion protection code  
II 3 G Ex nA T5  
II 3 D Ex tD A 22 T100°C


**KX 2255**
**10-25 mm<sup>2</sup>, Cu, 3~**


5-polig  
je Pol 6 x 10 mm<sup>2</sup> sol, 4 x 16 mm<sup>2</sup> s,  
4 x 25 mm<sup>2</sup> s  
rated current:  
10 mm<sup>2</sup> (sol) 63 A  
16 mm<sup>2</sup> (s) 80 A  
25 mm<sup>2</sup> (s) 100 A  
rated insulation voltage AC 690 V  
cable entry: order AXM separately  
sealing screw plugs 6x VXM 40 and  
2x VXM 25 included  
Explosion protection code  
II 3 G Ex nA T5  
II 3 D Ex tD A 22 T100°C







## DK Cable junction boxes for hazardous areas cable glands / sealing plugs





- for use with Hensel cable junction boxes KX ...
- for hazardous areas,  
can be used in Zone 2 and Zone 22

- material: thermoplastic
- colour: black, RAL 9005



Cable glands degree of protection: IP 65 with strain relief and locknut				
<b>AXM 20</b> 	ISO thread M 20 x 1.5	sealing range Ø 5.5-13 mm	bore-hole Ø 20.5 mm	wall thickness at least 1.5-2 mm
<b>AXM 25</b> 	ISO thread M 25 x 1.5	sealing range Ø 8-17 mm	bore-hole Ø 25.5 mm	wall thickness at least 1.5-2 mm
<b>AXM 32</b> 	ISO thread M 32 x 1.5	sealing range Ø 12-21 mm	bore-hole Ø 32.5 mm	wall thickness at least 1.5-3 mm
<b>AXM 40</b> 	ISO thread M 40 x 1.5	sealing range Ø 17-28 mm	bore-hole Ø 40.5 mm	wall thickness at least 1.5-3 mm



Sealing plugs degree of protection: IP 65 for the covering of unused cable entries			
<b>VXM 20</b> 	ISO thread M 20 x 1.5	bore-hole Ø 20,3 mm	wall thickness at least 1.5-3 mm
<b>VXM 25</b> 	ISO thread M 25 x 1.5	bore-hole Ø 25,3 mm	wall thickness at least 1.5-3 mm
<b>VXM 32</b> 	ISO thread M 32 x 1.5	bore-hole Ø 32,3 mm	wall thickness at least 1.5-3 mm
<b>VXM 40</b> 	ISO thread M 40 x 1.5	bore-hole Ø 40,3 mm	wall thickness at least 1.5-3 mm





Cable junction boxes for security lighting circuits with red lid.



Terminal box for equipotential bonding cables.



Degree of protection IP 65 using cable glands ASM.. available as an accessory



Stainless steel cover screws with quick fastening metric thread. Reducing cover fixing time.



Labelling system for circuit description.

Label template on the Internet at [www.hensel-electric.de](http://www.hensel-electric.de) - in the 'Downloads' area.



Burning behaviour:  
Glow wire test according to IEC 60 695-2-11: 750 °C, flame-retardant, **self-extinguishing**



## DK Cable junction boxes for safety lighting circuits cable entry via metric knockouts

■ with red lid RAL 3000

- degree of protection:: IP 55 (ESM)
- degree of protection: IP 65 (refer to index ENYFIT)
- material: thermoplastic
- colour: grey, RAL 7035

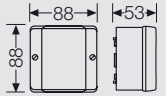
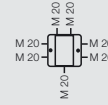


**D 9225**

**1.5-2.5 mm<sup>2</sup>, Cu, 3~**



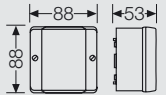
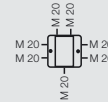
rated insulation voltage AC/DC 690 V  
with terminals  
5-pole,  
per pole 6 x 1.5 mm<sup>2</sup> sol, 4 x 2.5 mm<sup>2</sup> sol,  
3 x 4 mm<sup>2</sup> sol  
included cable entry 4 ESM 20  
(sealing range Ø 6-13 mm)



**D 9220**



without terminals  
included cable entry 4 ESM 20  
(sealing range Ø 6-13 mm)

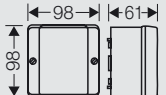
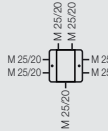


**D 9245**

**1.5-4 mm<sup>2</sup>, Cu, 3~**



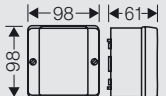
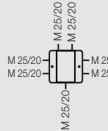
rated insulation voltage AC/DC 690 V  
with terminals  
5-pole,  
per pole 6 x 1.5 mm<sup>2</sup> sol, 4 x 2.5 mm<sup>2</sup> sol,  
3 x 4 mm<sup>2</sup> sol, 2 x 6 mm<sup>2</sup> sol  
included cable entry 4 ESM 25  
(sealing range Ø 9-17 mm)



**D 9240**



without terminals  
included cable entry 4 ESM 25  
(sealing range Ø 9-17 mm)



## DK Cable junction boxes for equipotential bonding conductors cable entry via removable grommets

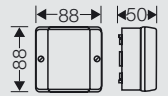
- degree of protection: IP 54
- material: thermoplastic
- colour: grey, RAL 7035



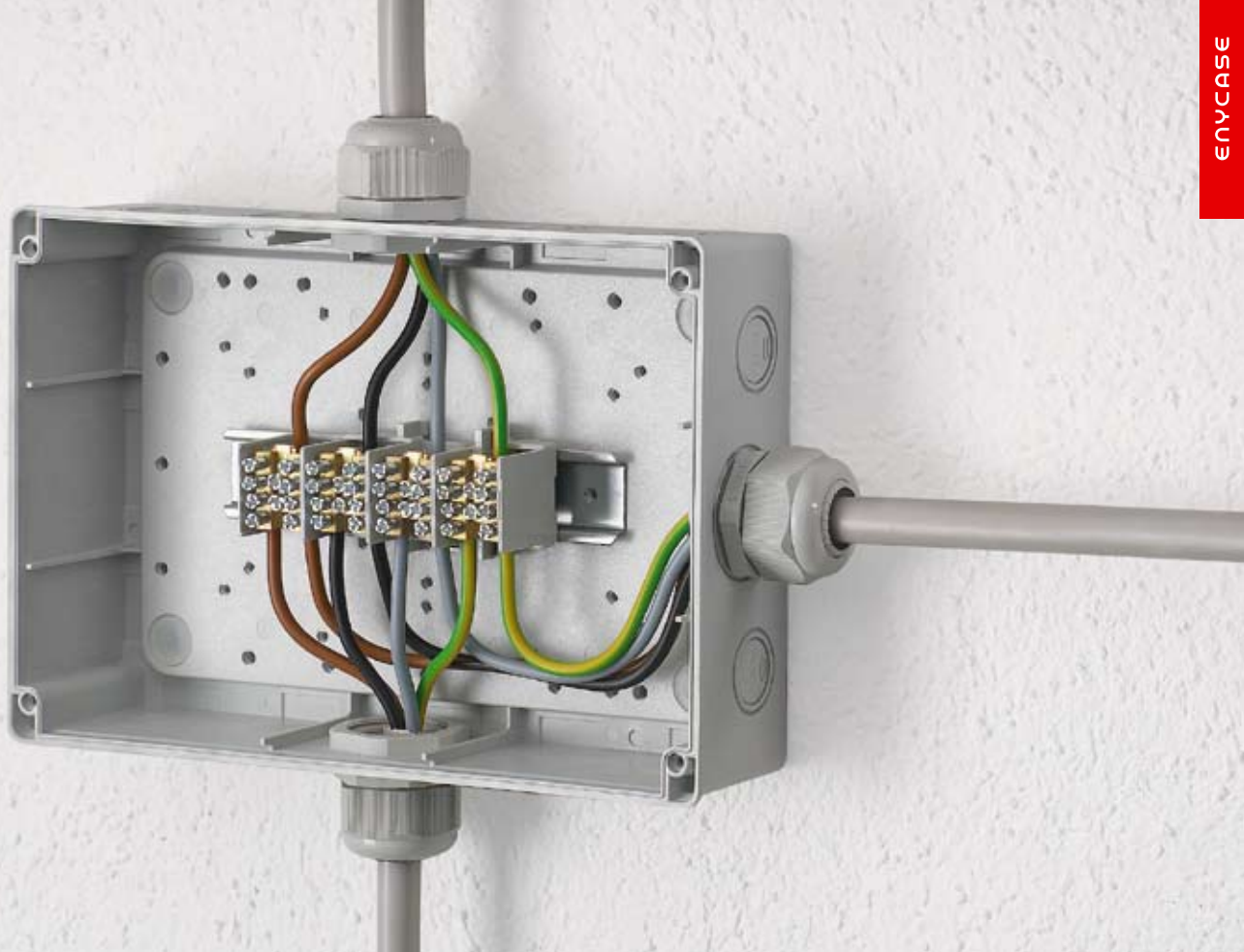
**DP 9026**

**1-pole**

for 1 continued conductor 4-25 mm<sup>2</sup> and  
5 conductors 4-10 mm<sup>2</sup> (16 mm<sup>2</sup> sol)  
included cable entry 4 DPS 02  
(sealing range Ø 10-13.5 mm)



## DK Cable junction boxes with main line branch terminals for copper conductors cable entry via metric knockouts



Degree of protection IP 65  
using cable glands ASM..  
available as an accessory



Stainless steel cover screws with  
quick fastening metric thread.  
Reducing cover fixing time.



Labelling system  
for circuit description.

Label template on the Internet at  
[www.hensel-electric.de](http://www.hensel-electric.de) - in the  
'Downloads' area.



DK Cable junction boxes with  
main line branch terminals for  
copper conductors  
are equipped as standard  
with sealable lids.



Hensel cable junction boxes with  
armoured cables according to  
British Standard.



Burning behaviour:  
Glow wire test according to  
IEC 60 695-2-11: 750 °C,  
flame-retardant,  
self-extinguishing



## DK Cable junction boxes

### with main line branch terminals for copper conductors cable entry via metric knockouts

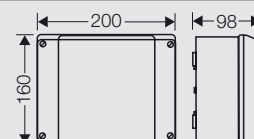
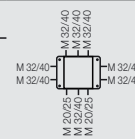
- with lead seal
- **VNB approval Vattenfall-Berlin**
- rated insulation voltage: AC 400 V

- degree of protection: IP 55 (ESM)
- degree of protection: IP 65 (refer to index ENYFIT)
- material: thermoplastic
- colour: grey, RAL 7035



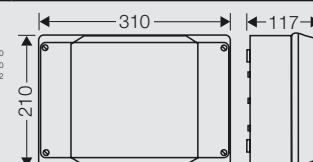
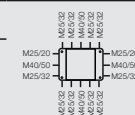
#### **K 9259 10-25 mm<sup>2</sup>, Cu**

4-pole, per pole  
terminals for incoming cables:  
circular conductors rigid (r) 10-25 mm<sup>2</sup>, Cu  
terminals for incoming cables:  
circular conductors flexible with end ferrule (f)  
6-16 mm<sup>2</sup>, Cu  
terminals for outgoing cables:  
circular conductors rigid (r) 6-16 mm<sup>2</sup>, Cu  
terminals for outgoing cables:  
circular conductors flexible with end ferrule (f)  
4-10 mm<sup>2</sup>, Cu  
tightening torque for terminal  
terminals for incoming cables 3,0 Nm  
terminals for outgoing cables 3,0 Nm  
included cable entry 3 ESM 40  
(sealing range Ø 17-30 mm)



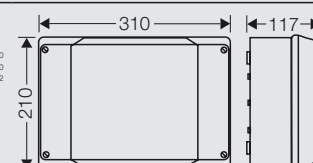
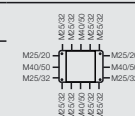
#### **K 9508 10-25 mm<sup>2</sup>, Cu**

4-pole, per pole  
terminals for incoming cables:  
circular conductors rigid (r) 10-25 mm<sup>2</sup>, Cu  
terminals for incoming cables:  
circular conductors flexible with end ferrule (f)  
6-16 mm<sup>2</sup>, Cu  
terminals for outgoing cables:  
circular conductors rigid (r) 6-16 mm<sup>2</sup>, Cu  
terminals for outgoing cables:  
circular conductors flexible with end ferrule (f)  
4-10 mm<sup>2</sup>, Cu  
tightening torque for terminal  
terminals for incoming cables 3,0 Nm  
terminals for outgoing cables 3,0 Nm  
cable entry: order AKM/ASM separately  
(refer to index ENYFIT)



#### **K 9509 16-35 mm<sup>2</sup>, Cu**

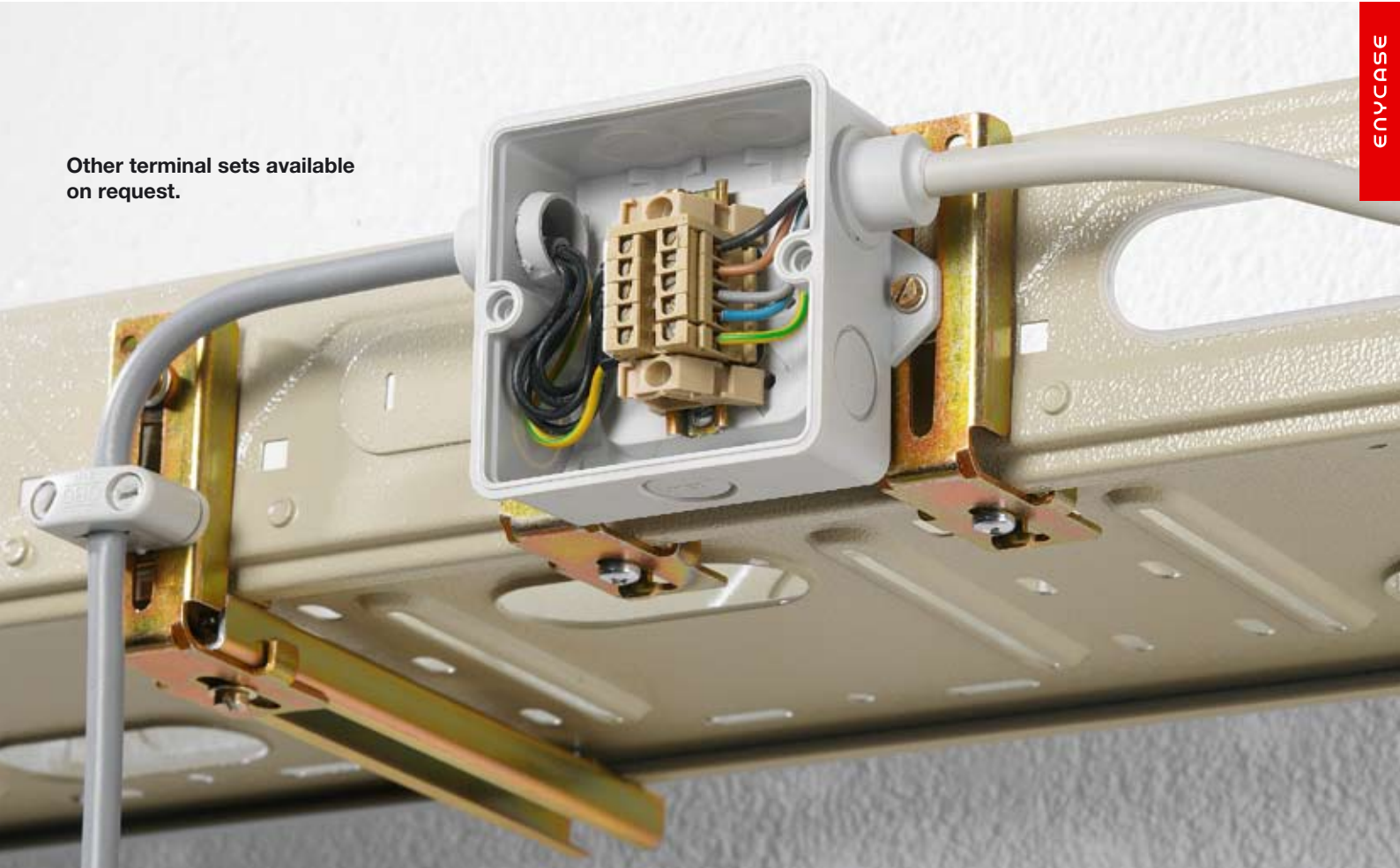
4-pole, per pole  
terminals for incoming cables:  
circular conductors rigid (r) 16-35 mm<sup>2</sup>, Cu  
terminals for incoming cables:  
circular conductors flexible with end ferrule (f)  
10-25 mm<sup>2</sup>, Cu  
terminals for outgoing cables:  
circular conductors rigid (r) 10-25 mm<sup>2</sup>, Cu  
terminals for outgoing cables:  
circular conductors flexible with end ferrule (f)  
6-16 mm<sup>2</sup>, Cu  
tightening torque for terminal  
terminals for incoming cables 4,0 Nm  
terminals for outgoing cables 3,0 Nm  
cable entry: order AKM/ASM separately  
(refer to index ENYFIT)





## DK Cable junction boxes with terminal blocks for aluminium- and copper conductors cable/conduit entry via metric knockouts

Other terminal sets available  
on request.



Stainless steel cover screws with  
quick fastening metric thread.  
Reducing cover fixing time.



Labelling system  
for circuit description.

Label template on the Internet at  
[www.hensel-electric.de](http://www.hensel-electric.de) - in the  
'Downloads' area.



Degree of protection IP 55  
using grommets ESM ...  
available as an accessory



Degree of protection IP 65  
using cable glands AKM..  
available as an accessory



Hensel cable junction boxes with  
armoured cables according to  
British Standard.



Burning behaviour:  
Glow wire test according to  
IEC 60 695-2-11: 750 °C,  
flame-retardant,  
self-extinguishing



750 °C

## DK Terminal boxes

### with terminal blocks for aluminium- and copper conductors cable/conduit entry via metric knockouts

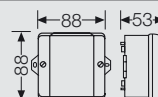
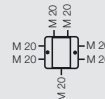
- terminal blocks, by Wieland
- for aluminium and copper conductors
- terminal marking, neutral
- cable entry to be ordered separately
- see Technical details for more information about terminal assignment
- degree of protection: IP 65
- material: thermoplastic
- colour: grey, RAL 7035



#### RD 9123 1.5-2.5 mm<sup>2</sup>

##### with external fixing

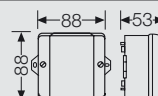
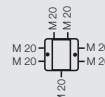
3 terminal block WKM 2.5/15  
rated insulation voltage: AC/DC 500 V  
cable entry ESM/AKM to be ordered separately  
(refer to index ENYFIT)



#### RD 9125 1.5-2.5 mm<sup>2</sup>

##### with external fixing

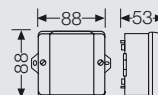
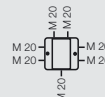
5 terminal block WKM 2.5/15  
rated insulation voltage: AC/DC 500 V  
cable entry ESM/AKM to be ordered separately  
(refer to index ENYFIT)



#### RD 9127 1.5-2.5 mm<sup>2</sup>

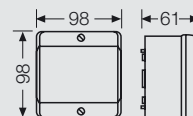
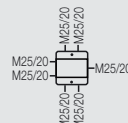
##### with external fixing

7 terminal block WKM 2.5/15  
rated insulation voltage: AC/DC 500 V  
cable entry ESM/AKM to be ordered separately  
(refer to index ENYFIT)



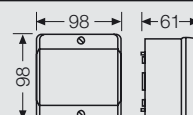
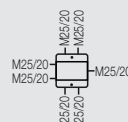
#### RD 9045 1.5-4 mm<sup>2</sup>

5 terminal block WKM 4/15  
rated insulation voltage: AC/DC 500 V  
cable entry ESM/AKM to be ordered separately  
(refer to index ENYFIT)



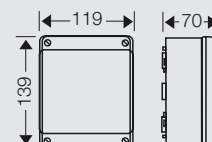
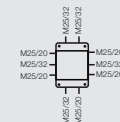
#### RD 9041 1.5-4 mm<sup>2</sup>

10 terminal block WKM 4/15  
rated insulation voltage: AC/DC 500 V  
cable entry ESM/AKM to be ordered separately  
(refer to index ENYFIT)



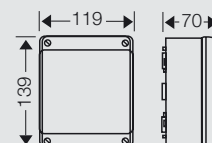
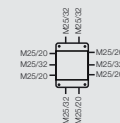
#### RK 9062 1.5-4 mm<sup>2</sup>

12 terminal block WK 4/U  
rated insulation voltage: AC/DC 690 V  
cable entry ESM/AKM to be ordered separately  
(refer to index ENYFIT)



#### RK 9064 1.5-4 mm<sup>2</sup>

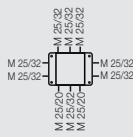
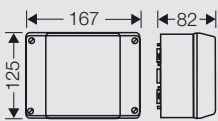
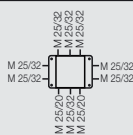
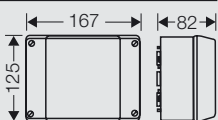
14 terminal block WK 4/U  
rated insulation voltage: AC/DC 690 V  
cable entry ESM/AKM to be ordered separately  
(refer to index ENYFIT)



# DK Terminal boxes with terminal blocks for aluminium- and copper conductors cable/conduit entry via metric knockouts

- terminal blocks, by Wieland
- for aluminium and copper conductors
- terminal marking, neutral
- cable entry to be ordered separately
- see Technical details for more information about terminal assignment
- degree of protection: IP 65
- material: thermoplastic
- colour: grey, RAL 7035

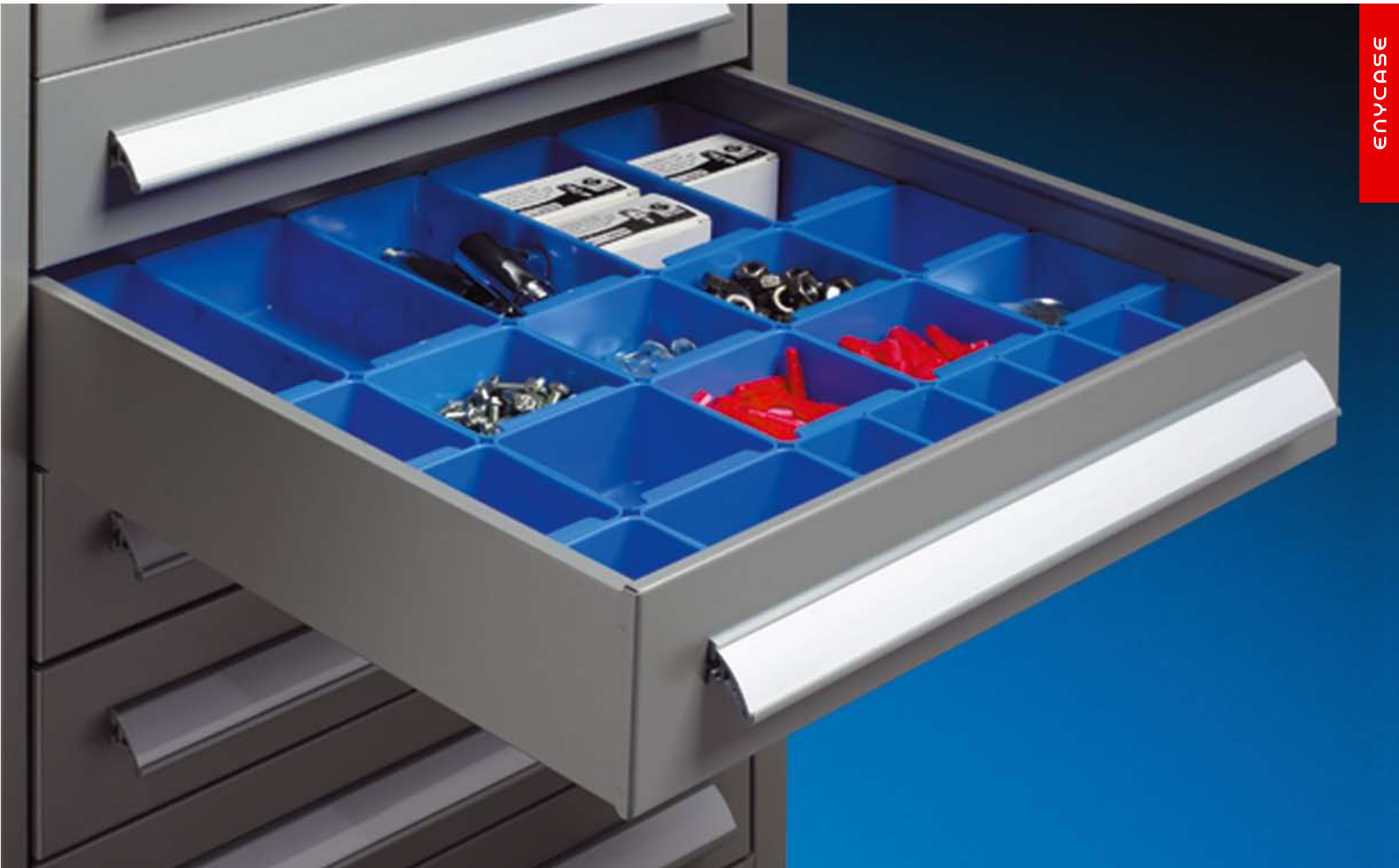


<b>RK 9109</b>	<b>1.5-4 mm<sup>2</sup></b>	<p>19 terminal block WK 4/U  rated insulation voltage: AC/DC 690 V  cable entry ESM/AKM to be ordered separately  (refer to index ENYFIT)</p>  
<b>RK 9104</b>	<b>1.5-4 mm<sup>2</sup></b>	<p>24 terminal block WK 4/U  rated insulation voltage: AC/DC 690 V  cable entry ESM/AKM to be ordered separately  (refer to index ENYFIT)</p>  



## DK Cable junction boxes

ENYCASE



DIN rails	92
Cable retention	92
Terminal sets	93-94
Accessories	95
Accessories for cable junction boxes $\geq 70 \text{ mm}^2$	96



## DK Cable junction boxes

### Accessories

#### DIN rails

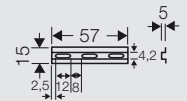
- for the installation of terminal blocks
- for insertion in empty cable junction boxes

- with fixing screws



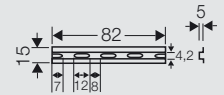
#### TSD 02 DIN rail

max. installation depth 32 mm  
for cable junction boxes D x020, D x120, KF x020, KD x020  
and empty box KF PV 0100  
top hat profile 15 mm



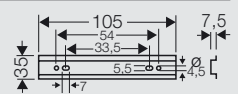
#### TSD 04 DIN rail

max. installation depth 40 mm  
for cable junction boxes D x040, KF x040, KD x040 and  
empty box KF PV 0200  
top hat profile 15 mm



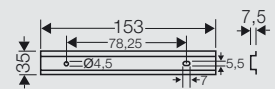
#### TSK 06 DIN rail

max. installation depth 44.5 mm  
for cable junction boxes K x060, KF x060, KF x060 and  
empty box KF PV 0300  
top hat profile 35 mm



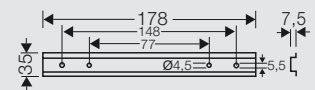
#### TSK 10 DIN rail

max. installation depth 56.5 mm  
for cable junction boxes K x100, KF x100, KD x100 and  
empty box KF PV 0400  
top hat profile 35 mm



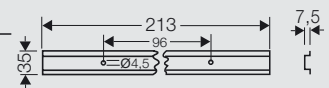
#### TSK 25 DIN rail

max. installation depth 71.5 mm  
for cable junction boxes K x250, KF x250, K x350, KF x350,  
KD x250, KD x350 and empty boxes KF PV 0500,  
KF PV 0600  
top hat profile 35 mm



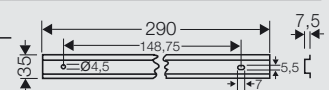
#### TSK 35 DIN rail

max. installation depth 80.5 mm  
for cable junction boxes K x350, KF x350, KD x350, and  
empty box KF PV 0600  
top hat profile 35 mm



#### TSK 50 DIN rail

max. installation depth 80.5 mm  
for cable junction boxes K x500, KF x500 and empty box KF  
PV 0700  
top hat profile 35 mm



#### KHR 01 Cable retention

30 pieces, for cable outside diameter: Ø 6.5-10 mm  
30 pieces, for cable outside diameter: Ø 10-14 mm  
for use in enclosures with cable entry via elastic membrane



#### KHR 02 Cable retention

30 pieces, for cable outside diameter: Ø 10-14 mm  
30 pieces, for cable outside diameter: Ø 13-16 mm  
for use in enclosures with cable entry via elastic membrane



## DK Cable junction boxes

### Accessories

#### Terminal sets

■ for insertion in cable junction boxes

■ complete with fixing elements



#### DKL 04 Terminal set 1.5-6 mm<sup>2</sup>, Cu

5-pole,  
per pole 6 x 1.5 mm<sup>2</sup> sol  
4 x 2.5 mm<sup>2</sup> sol  
3 x 4 mm<sup>2</sup> sol  
2 x 6 mm<sup>2</sup> sol  
for cable junction boxes D 8020, D 8120, D 8040, D 9020,  
D 9120, D 9040, D 9220, DP 9020, DP 9220, DE 9320,  
DE 9321, DE 9340, DE 9341, KF 4020, KF 4040, KF 5020,  
KF 5040, KF 8020, KF 8040, KF 9020, KF 9040, KD 5020,  
KD 5040, KD 4020, KD 4040



#### KKL 06 Terminal set 2.5-10 mm<sup>2</sup>, Cu

5-pole,  
per pole 4 x 2.5 mm<sup>2</sup> sol  
4 x 4 mm<sup>2</sup> sol  
3 x 6 mm<sup>2</sup> sol  
2 x 10 mm<sup>2</sup> sol  
for cable junction boxes K 8060, K 9060, KF 4060, KF 5060,  
KF 8060, KF 9060, KD 5060, KD 4060



#### KLS 10 Terminal set 2.5-16 mm<sup>2</sup>, Cu

current carrying capacity 63 A  
5-pole,  
per pole 6 x 2.5 mm<sup>2</sup> sol  
4 x 4 mm<sup>2</sup> sol  
4 x 6 mm<sup>2</sup> sol  
4 x 10 mm<sup>2</sup> sol  
2 x 16 mm<sup>2</sup> s  
for cable junction boxes K 8100, K 9100, KF 4100, KF 5100,  
KF 8100, KF 9100, KD 5100, KD 4100



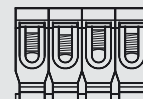
#### KLS 25 Terminal set 6-35 mm<sup>2</sup>, Cu

current carrying capacity 102 A  
5-pole,  
per pole 6 x 6 mm<sup>2</sup> sol  
6 x 10 mm<sup>2</sup> sol, f\*  
4 x 16 mm<sup>2</sup> s, f\*  
4 x 25 mm<sup>2</sup> s, f\*  
2 x 35 mm<sup>2</sup> s, f\*  
for cable junction boxes K 8250, K 8500, K 9250, K 9500,  
KF 4250, KF 5250, KF 5500, KF 8250, KF 8500, KF 9250,  
KF 9500, KD 4250, KD 5250  
f\* = with gas-tight end ferrule



#### KLS 50 Terminal set 16-50 mm<sup>2</sup>, Cu

current carrying capacity 150 A  
4-pole, per pole  
6 x 16 mm<sup>2</sup> s  
4 x 25 mm<sup>2</sup> s  
4 x 35 mm<sup>2</sup> s  
4 x 50 mm<sup>2</sup> s  
for cable junction boxes K 9350, K 9500, K 8350, K 8500,  
KF 9350, KF 9500, KF 8350, KF 8500, KF 5350, KF 5500,  
KF 4350, KF 4500, KD 5350, KD 4350



## DK Cable junction boxes

### Accessories

#### Terminal sets

■ for insertion in cable junction boxes

■ complete with fixing elements



#### **KLS 51** Terminal set 16-50 mm<sup>2</sup>, Cu

current carrying capacity 150 A

5-pole,

per pole 6 x 16 mm<sup>2</sup> s

4 x 25 mm<sup>2</sup> s

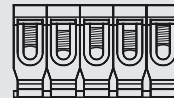
4 x 35 mm<sup>2</sup> s

4 x 50 mm<sup>2</sup> s

for cable junction boxes K 9350, K 9500, K 8350, K 8500,

KF 9350, KF 9500, KF 8350, KF 8500, KF 5350, KF 5500,

KF 4350, KF 4500, KD 5350, KD 4350



#### **KLS 54** Terminal set 16-70 mm<sup>2</sup>, Cu

current carrying capacity 216 A

4-pole,

per pole 4 x 16 mm<sup>2</sup> s

4 x 25 mm<sup>2</sup> s

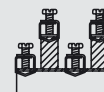
4 x 35 mm<sup>2</sup> s

4 x 50 mm<sup>2</sup> s

4 x 70 mm<sup>2</sup> s

for cable junction boxes K 8500, K 9500, KF 4500, KF 5500,

KF 8500, KF 9500



#### **KLS 55** Terminal set 16-70 mm<sup>2</sup>, Cu

current carrying capacity 216 A

5-pole,

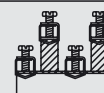
per pole 4 x 16 mm<sup>2</sup> s

4 x 25 mm<sup>2</sup> s

4 x 35 mm<sup>2</sup> s

4 x 50 mm<sup>2</sup> s

4 x 70 mm<sup>2</sup> s



#### **FC L 45** FIXCONNECT®-connection terminal set 1.5-4 mm<sup>2</sup>, Cu

current carrying capacity 32 A

5-pole,

per pole 4 x 1 x 1.5-4 mm<sup>2</sup> r/f

complete with fixing elements



#### **FC L 04** FIXCONNECT® plug-in terminal 1.5-4 mm<sup>2</sup>, Cu

FIXCONNECT® plug-in terminal

1-pole, 4 x 1.5-4 mm<sup>2</sup> r/f

with 4 clamping units

for installation on DIN rails, 15 mm top hat profile

current carrying capacity 32 A



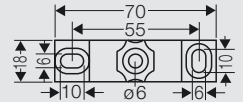
#### DK AL 2 External brackets

for external wall fixing of cable junction boxes type D, K, KF, KX, KD and empty box KF PV  
Slot for wall mounting for screws up to 4.5 mm diameter  
external brackets 2 items  
material: V2A stainless steel



#### DE MB 10 Assembly bracket

10 items  
material: thermoplastics  
for quick installation of cable junction boxes DE 9220. and  
DN 20 ..



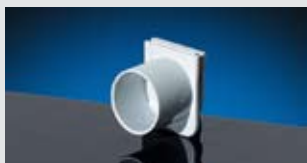
#### DPS 02 Removable grommet

degree of protection: IP 54  
for retrofitting  
sealing range  $\varnothing$  10-13.5 mm  
for cable junction boxes DP 9020, DP 9220, DP 9025, DP 9221, DP 9222, DP 9026,  
DPC 9225



#### EKA 20 Removable trunking adapter

degree of protection: IP 54  
for mini trunking up to 20 x 20 mm  
sealing range cable diameter 10-13.5 mm  
for cable junction boxes DP 9020, DP 9220, DP 9025, DP 9221, DP 9222, DP 9026,  
DPC 9225



#### ERA 20 Removable conduit adapter

degree of protection: IP 54  
for wiring conduits M 20  
sealing range cable diameter 10-13.5 mm  
for cable junction boxes DP 9020, DP 9220, DP 9025, DP 9221, DP 9222, DP 9026,  
DPC 9225



#### DK BS 5 Labelling system for circuit description

for cable junction boxes from 2.5 to 50 mm<sup>2</sup>, can be inserted  
into cover fixing ducts  
for attaching of labelling strips or marking with felt tip pen  
Label template on the Internet at [www.hensel-electric.de](http://www.hensel-electric.de) -  
download area  
cannot be used with cable junction boxes 2.5 to 4 mm<sup>2</sup> with  
seal  
material: thermoplastic  
45 x 30 mm



#### PLS 06 Facility for sealing

for cable junction boxes 2.5 mm<sup>2</sup>:  
D 9x2x, D 8x2x, DE 9x2x, DP 9x2x, KF 9x2x, KF 8x2x, KF 7x2x, KF 4x2x, KF 5x2x,  
RD 9x2x, KX 2025, KD x020  
for cable junction boxes 4 mm<sup>2</sup>:  
D 9x4x, D 8x4x, DE 9x4x, KF 9x4x, KF 8x4x, KF 7x4x, KF 4x4x, KF 5x4x, RD 9x4x,  
KX 2045, KD x040  
for cable junction boxes 6 mm<sup>2</sup>:  
K 9x6x, K 8x6x, KF 9x6x, KF 8x6x, KF 7x6x, KF 4x6x, KF 5x6x, RD 9x6x, KX 2065,  
KD x060



#### PLS 50 Facility for sealing

for cable junction boxes 10 mm<sup>2</sup>:  
K 91xx, K 81xx, KF 91xx, KF 81xx, KF 71xx, KF 410x, KF 51xx, KX 2105, KD x100  
for cable junction boxes 25 mm<sup>2</sup>:  
K 925x, K 825x, KF 925x, KF 825x, KF 725x, KF 425x, KF 525x, RK 91xx, KX 2255,  
KD x250  
for cable junction boxes 35/50 mm<sup>2</sup>:  
K 93xx, K 95xx, K 83xx, K 85xx, KF 93xx, KF 95xx, KF 83xx, KF 85xx, KF 53xx, KF 55xx,  
KF 45xx, KD x350

## DK Cable junction boxes

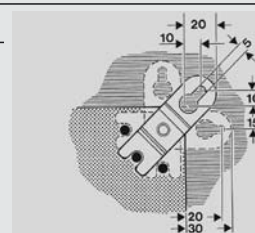
### Accessories

for cable junction boxes from 70 mm<sup>2</sup> onwards



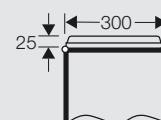
#### Mi AL 40 Stainless steel external brackets

for cable junction boxes 70 -240 mm<sup>2</sup>  
set consisting of 4 fixing brackets, 4 screws



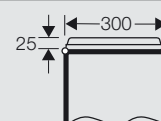
#### Mi FM 40 Flange

with fixing wedges and seal  
box wall 300 mm  
knockouts: 2 x M 25/32, 5 x M 32/40



#### Mi FM 50 Flange

with fixing wedges and seal  
box wall 300 mm  
knockouts: 2 x M 20, 4 x M 32/40/50



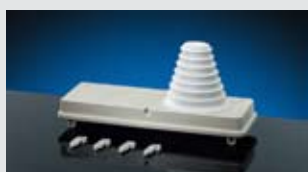
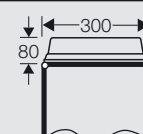
#### Mi FM 60 Flange

with fixing wedges and seal  
box wall 300 mm  
knockouts: 3 x M 40/50/63



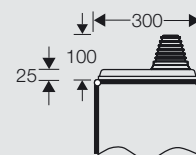
#### Mi FM 63 Flange

with fixing wedges and seal  
with extended cable arrangement space  
box wall 300 mm  
knockouts: 3 x M 40/50/63



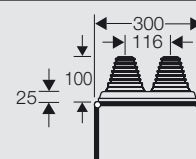
#### Mi FP 70 Flange

with fixing wedges and seal  
using 1 cable entry  
max. 72 mm external diameter  
degree of protection: IP 65  
box wall 300 mm  
sealing range: Ø 30-72 mm



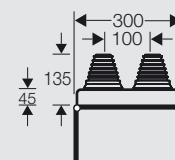
#### Mi FP 72 Flange

with fixing wedges and seal  
for 2 cables  
max. 72 mm external diameter  
degree of protection: IP 65  
box wall 300 mm  
sealing range: 2 x Ø each 30-72 mm



#### Mi FP 82 Cable insert

for 2 cables  
max. 72 mm external diameter  
degree of protection IP 54 only with additional strain and pressure relief (e.g. Mi ZE 62)  
divisible for cable insertion from the front  
box wall 300 mm  
sealing range: 2 x Ø each 30-72 mm



#### Mi ZE 62 Cable strain relief

for 2 cables with max. 60 mm external diameter  
with fixing rail 284 mm long  
to be used only in connection with cable insertion Mi FP 82



#### Mi SA 2 Dust protection cover

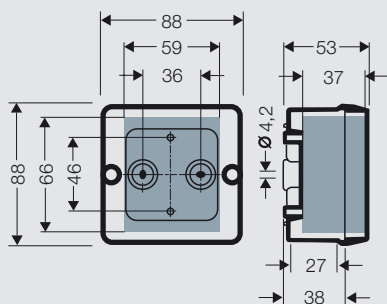
for 2 lid fittings  
for box sizes 1 to 4



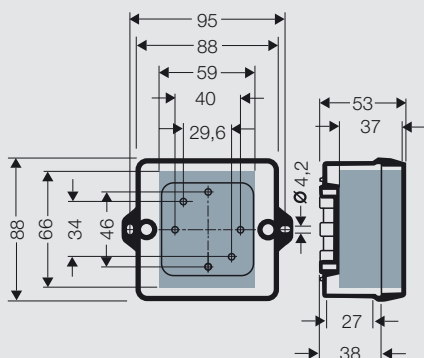


Dimensions in mm	98-99
Dimensions in mm of box walls without knockouts	100-101
Terminals	102-104
Operating and ambient conditions	105-107
Standards and regulations	108
FK cable junction boxes tested for intrinsic fire resistance	109
Hazardous areas in accordance with ATEX 100a	110-111

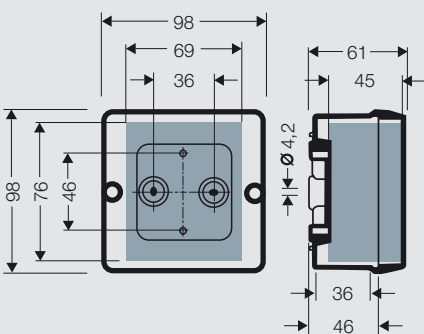
D 8020  
D 9020  
D 9220  
KF 4020  
KF 5020  
KF 7020  
KF 8020  
KF 9020  
KD 5020  
KD 4020



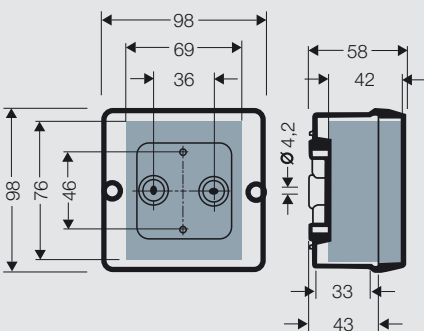
D 8120  
D 9120  
KD 4120  
KD 5120  
KD 5125



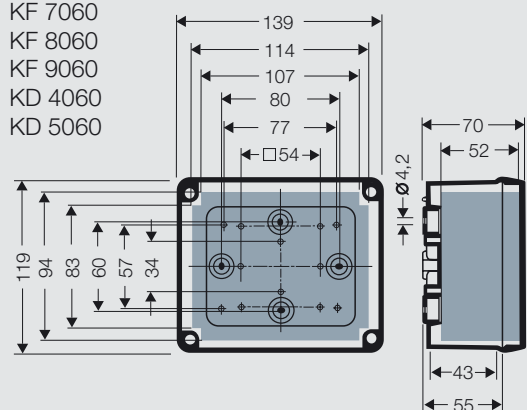
D 9040  
KF 5040  
KF 9040  
KD 5040



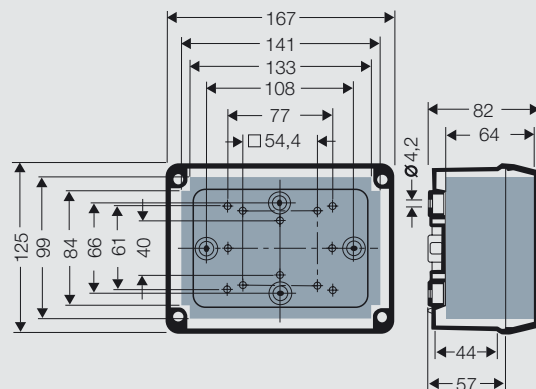
D 8040  
KF 4040  
KF 7040  
KF 8040  
KD 4040



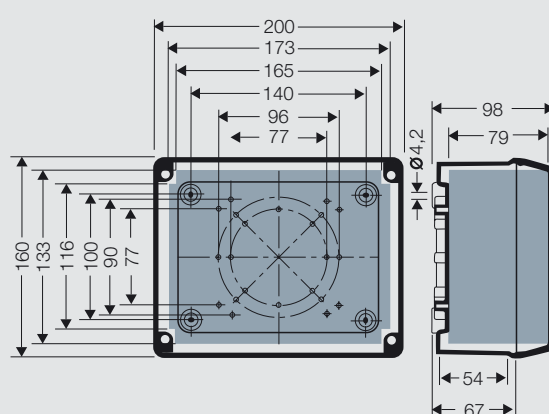
K 8060  
K 9060  
KF 4060  
KF 5060  
KF 7060  
KF 8060  
KF 9060  
KD 4060  
KD 5060



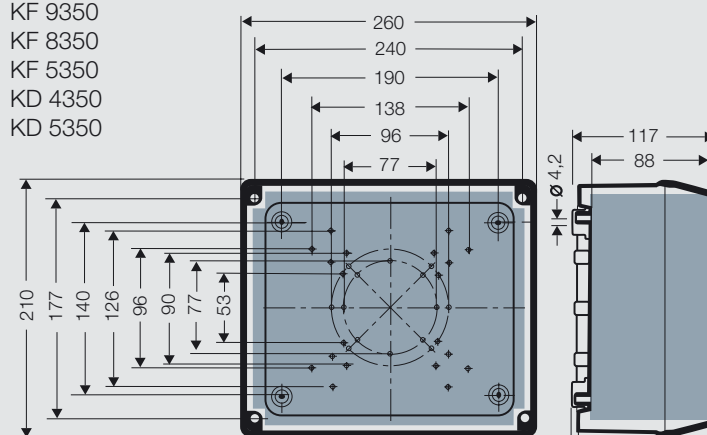
K 8100  
K 9100  
KF 4100  
KF 5100  
KF 7100  
KF 8100  
KF 9100  
KD 4100  
KD 5100



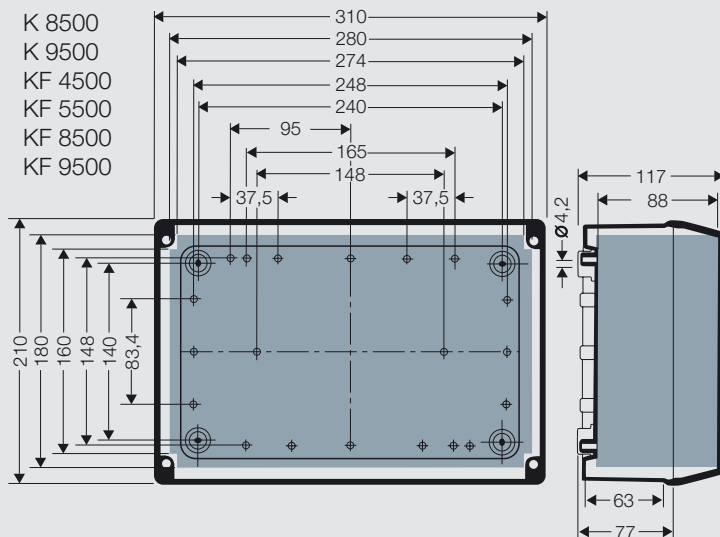
K 8250  
K 9250  
KF 4250  
KF 5250  
KF 7250  
KF 8250  
KF 9250  
KD 4250  
KD 5250



K 9350  
KF 4350  
KF 9350  
KF 8350  
KF 5350  
KD 4350  
KD 5350

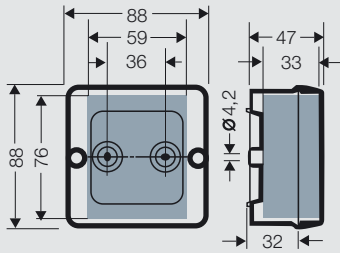


K 8500  
K 9500  
KF 4500  
KF 5500  
KF 8500  
KF 9500

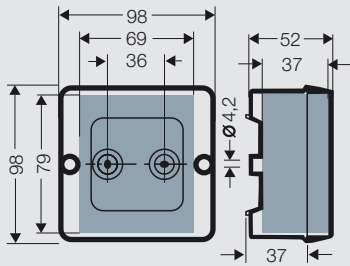


= usable installation space when cable glands are attached

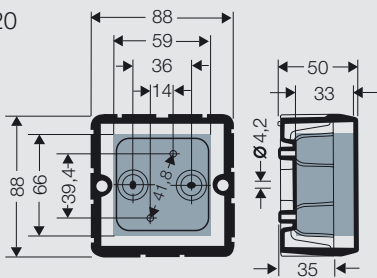
DE 9320  
DE 9321



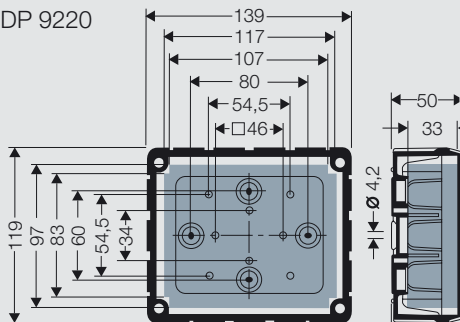
DE 9340  
DE 9341



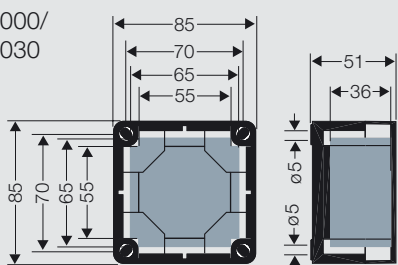
DP 9020



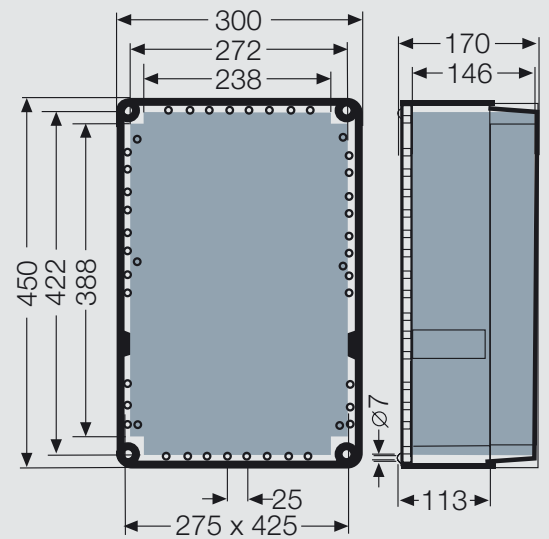
DP 9220



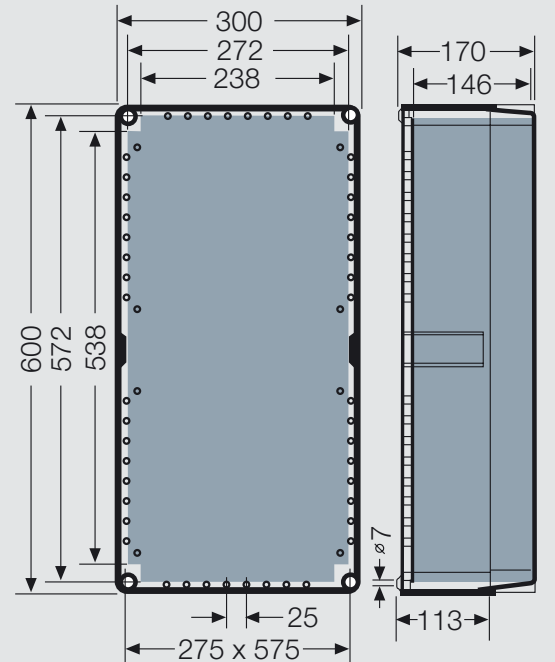
DN 2000/  
DN 2030



K 7004  
K 7005  
K 7042  
K 7052  
K 1204  
K 1205

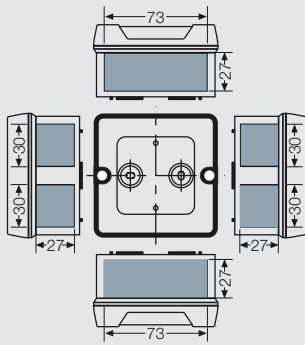


K 2404  
K 2405

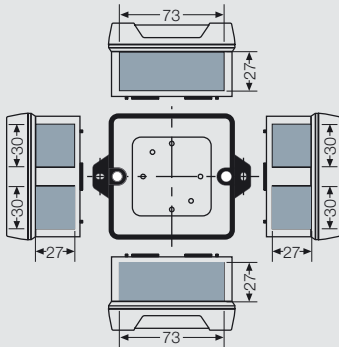


 = usable installation space  
when cable glands are attached

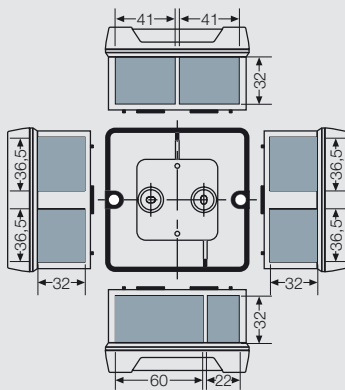
D 8020  
KF 8020  
KF 4020  
KF 7020  
KD 4020



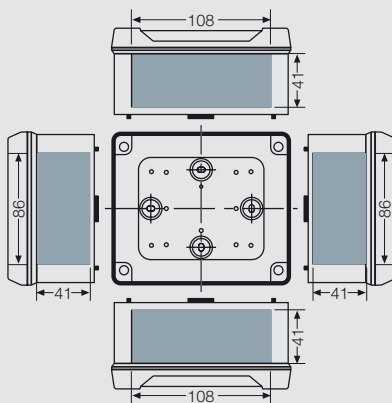
D 8120



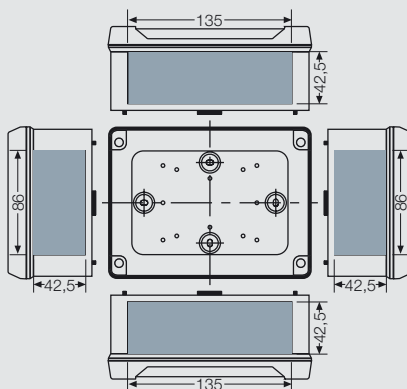
D 8040  
KF 8040  
KF 4040  
KF 7040  
KD 4040



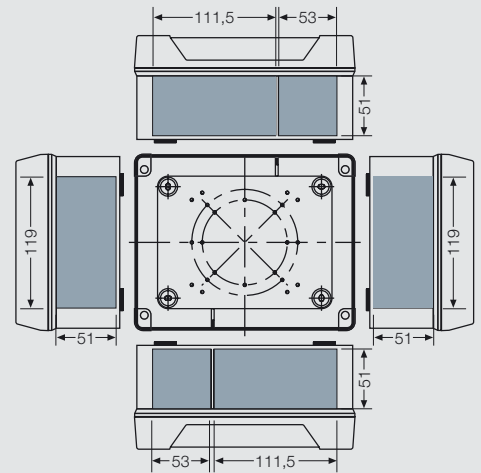
K 8060  
KF 8060  
KF 4060  
KF 7060  
KD 4060



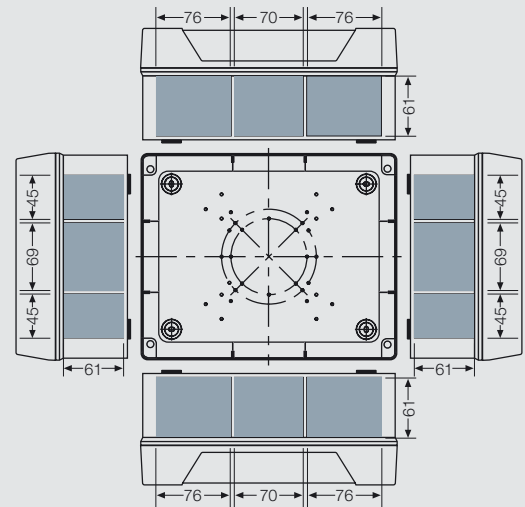
K 8100  
KF 8100  
KF 4100  
KF 7100  
KD 4100



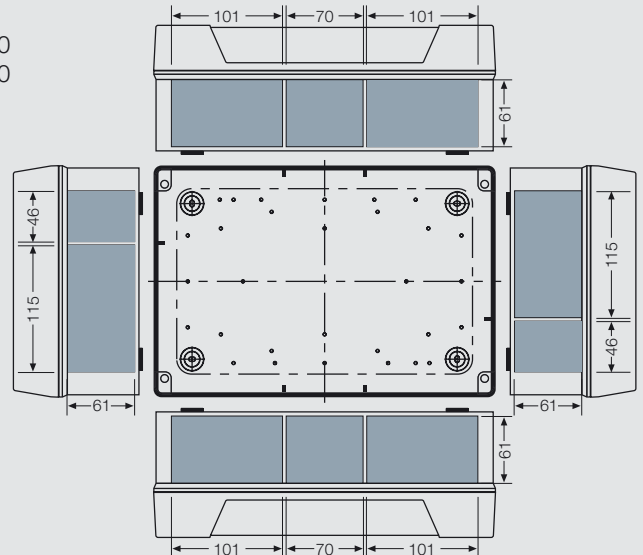
K 8250  
KF 8250  
KF 4250  
KF 7250  
KD 4250




K 8350  
KF 8350  
KF 4350  
KD 4350

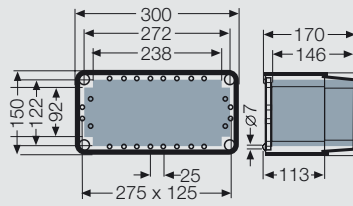


K 8500  
KF 8500  
KF 4500

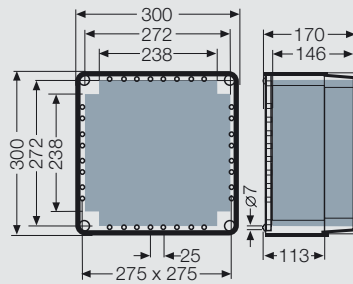


 = usable installation area in box walls

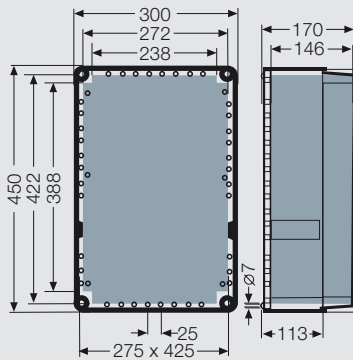
K 0100  
K 0101



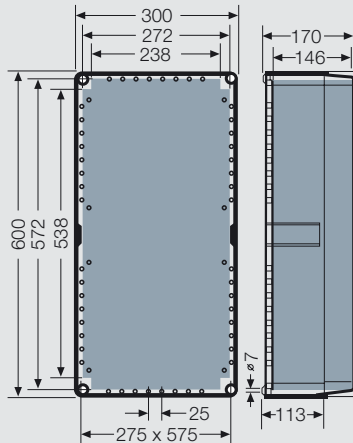
K 0200  
K 0201



K 0300  
K 0301











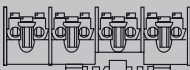
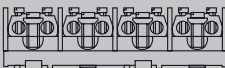
K 0400  
K 0401





#### Connecting terminals for copper conductors (Cu)






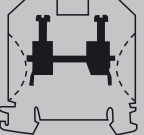




**Hint:** The connection of different types of conductors and/or different cross-sections at one clamping unit is not permitted.  
f<sup>1</sup> = flexible with end ferrule

Type of terminal		Fixed in cable junction boxes	Clamping units per pole	Rated connecting capacity mm <sup>2</sup> and types of conductors	Conductors to be connected per pole	Tightening torque	Current carrying capacity	Rated cross section of terminal
 <b>DKL 04</b>		<b>D 9025, D 9125</b> <b>D 9225, D 9245</b> <b>D 9045, DP 9025</b> <b>DP 9221, DP 9222</b> <b>DE 9325, DE 9326</b> <b>DE 9345, DE 9346</b> <b>KD 5025, KD 5045</b> <b>KF 5025, KF 5045</b> <b>KF 9025, KF 9045</b> <b>KX 2025, KX 2045</b>	1	6 sol 4 sol 2.5 sol 1.5 sol	1-2 1-3 1-4 1-6	1.5 Nm	–	<b>6 mm<sup>2</sup></b>
 <b>KKL 06</b>		<b>K 9065</b> <b>KD 5065</b> <b>KF 5065, KF 9065</b> <b>KX 2065</b>	1	10 sol 6 sol 4 sol 2.5 sol	1-2 1-3 1-4 1-4	1.5 Nm	–	<b>10 mm<sup>2</sup></b>
 <b>KLS 10</b>		<b>K 9105</b> <b>KD 5105</b> <b>KF 5105, KF 9105</b> <b>KX 2105</b>	2	16 s 10 sol 6 sol 4 sol 2.5 sol, f <sup>1</sup>	1-2 1-4 1-4 1-4 2-6	2 Nm	63 A	<b>16 mm<sup>2</sup></b>
 <b>KLS 25</b>		<b>K 9255, K 9502</b> <b>KD 5255</b> <b>KF 5255, KF 9255</b> <b>KX 2255</b>	2	35 s, f <sup>1</sup> 25 s, f <sup>1</sup> 16 s, f <sup>1</sup> 10 sol, f <sup>1</sup> 6 sol	1-2 1-4 1-4 1-6 1-6	3 Nm	102 A	<b>35 mm<sup>2</sup></b>
 <b>KLS 50</b>		<b>K 9504</b>	2	50 s 35 s 25 s 16 s	1-4 1-4 1-4 1-6	12 Nm	150 A	<b>50 mm<sup>2</sup></b>
 <b>KLS 51</b>		<b>K 9355, K 9505,</b> <b>KF 9355, KF 9505,</b> <b>KF 5355, KF 5505,</b> <b>KD 5355, KD 4355</b>	2	50 s 35 s 25 s 16 s	1-4 1-4 1-4 1-6	12 Nm	150 A	<b>50 mm<sup>2</sup></b>
 <b>4 x KLS 54</b>		<b>K 7004</b>	4	70 s 50 s 35 s 25 s 16 s	1-4 1-4 1-4 1-4 1-4	10 Nm	216 A	<b>70 mm<sup>2</sup></b>
 <b>5 x KLS 55</b>		<b>K 7005</b>	4	70 s 50 s 35 s 25 s 16 s	1-4 1-4 1-4 1-4 1-4	10 Nm	216 A	<b>70 mm<sup>2</sup></b>
 <b>K 9259</b> <b>K 9508</b>			incoming 2 outgoing 4	25 r 16 r	1-2 1-4	3 Nm	80 A	<b>25 mm<sup>2</sup></b>
 <b>K 9509</b> <b>K 9508</b>			incoming 2 outgoing 4	35 r 35 r	1-2 1-4	4 Nm 3 Nm	100 A	<b>35 mm<sup>2</sup></b>

#### terminal for equipotential bonding:

**DP 9026** for 1 continued conductor 4-25 mm<sup>2</sup> and 5 conductors 4-10 mm<sup>2</sup> (16 mm<sup>2</sup> sol)

#### Terminal blocks for copper- (Cu) and aluminium conductors (Alu)

Fixed in cable junction boxes	Type	Clam- ping units per pole	corre- spon- ding cross- section mm²	Con- ductors to be connect- ed per pole	Cross-sections and types of conductors f = flexible wire f¹ = flexible wire with end ferrule sol = solid wire s = stranded wire r = rigid (solid and stranded)	Tight- ening torque	Current carrying capacity	Terminal design/ nominal cross-section of terminal	International approvals of terminal blocks						
									CH/SEV	N/Nemko	DK/Deniko	NL/KEMA	SF/SETI	Canada/CSA	USA/UL
Manufacturer Wieland:															
RD 9123, RD 9125, RD 9127	WKM 2.5/15 rated voltage AC/DC 500 V	2	2.5 1.5	2	f/f¹ = 0.5-2.5 sol = 0.5-4 s = 1.5-2.5	0,4 Nm	24 A		•		•			•	•
RD 9045, RD 9041	WKM 4/15 rated voltage AC/DC 500 V	2	4 2.5 1.5	2	f/f¹ = 0.5-4 sol = 0.5-6 s = 1.5-4	0.5 Nm	32 A		•					•	•
RK 9062, RK 9064 RK 9109, RK 9104	WK 4/U rated voltage AC/DC 800 V	2	4 2.5 1.5	2	f/f¹ = 0.5-4 sol = 0.5-6 s = 1.5-4	0.5 Nm	41 A		•			•		•	•
Manufacturer Weidmüller:															
D 9041	AKZ 2.5 rated voltage AC/DC 250 V	4	2.5 1.5	4	f/f¹ sol = 0.5-2.5 s = 1.5-2.5	0.5 Nm	20 A		•					•	•
K 9061	AKZ 4 rated voltage AC/DC 400 V	4	4 2.5 1.5	4	f/sol = 0.5-4 s = 1.5-4 f¹ = 0.5-2.5	0,6 Nm	20 A		•	•	•	•		•	•
K 9351	WDU 16 N rated voltage AC/DC 400 V	4	16 10 6	4	f¹/sol = 1.5-16 f/s = 1.5-25	3,0 Nm	76 A		•	•		•	•	•	•
K 7051	-	4	2.5-50	4	r = 2.5-50	10,0Nm	Cu 150 A  Alu 120 A								
KF 9251 KF 9501	-	2	1.5-50	2	r = 1.5-50	1.5Nm to 12 Nm	Cu/Alu 150 A								
K 9951	-	4	6-95	4	r = 6-95	12 Nm to 22 Nm	Cu/Alu 490 A								
K 2401	-	4	35-240	4	r = 35-240	26 Nm to Nm	Cu/Alu 850 A								

Fixed in cable junction boxes	K 7042 / K 7052	K 1204 / K 1205		K 2404 / K 2405	
Rated connecting capacity	95 mm <sup>2</sup>	150 mm <sup>2</sup>		240 mm <sup>2</sup>	
Current carrying capacity	160 A	250 A		400 A	
Tightening torque	20 Nm	20 Nm		40 Nm	
Clamping units per pole		2	4	2	4
Types of conductors					
conductor cross section Cu/Alu sol (round)	10-50	16-50	16-50	25-50	25-50
conductor cross section Cu/Alu s (round), f (flexible)	16-95	16-150	16-70	25-240	25-120
conductor cross section Cu/Alu sol (sector)	50-95	50-150	50-70	50-185	50-120
conductor cross section Cu s (sector)	35-95	35-150	35-70	35-240	35-120
conductor cross section Alu s (round), f (flexible)	35-70	50-120	35-50	95-185	50-95

1) Prior to connection, aluminium conductors must be prepared according to the relevant technical recommendations. The connections must be checked at regular intervals and maintained after 6 months at the latest.

#### FIXCONNECT® technology

Type	Clamping units per pole	Rated connecting capacity per types of conductors		Current carrying capacity
		r (rigid)	f (flexible)	
DPC 9225	4	1.5 - 4 mm <sup>2</sup>	1.5 - 4 mm <sup>2</sup>	32 A
KC 9045	4	1.5 - 4 mm <sup>2</sup>	1.5 - 4 mm <sup>2</sup>	32 A
KC 9255	4	2.5 - 10 mm <sup>2</sup>	2.5 - 10 mm <sup>2</sup>	57 A
KC 9355	4	2.5 - 16 mm <sup>2</sup>	2.5 - 16 mm <sup>2</sup>	76 A

#### International short forms of types of conductors:

r (rigid)	sol (solid) (conductors with circular cross section and sector type of conductors)	
	s (stranded) (conductors with circular cross section and sector type of conductors)	
f (flexible)		

## DK Cable junction boxes

### Technical details

### Operating and ambient conditions

#### Operating and ambient conditions

#### Boxes with terminals

D ..., DP ...,  
DPC ...,  
DE ..., DM ...,  
KM ..., DN ...,  
KC ..., K ...,  
RD ..., RK ...

K 7055  
K 7004/5  
K 9951  
K 1204/5  
K 2404/5  
K 2401  
Mi FM ..

#### Removable grommets

EKA 20,  
ERA 20,  
DPS 02

#### Boxes with terminals

KF ...

KD ...

#### Application area

Suitable for indoor installation  
(normal environment and/or protected outdoor)

Suitable for **outdoor installation**  
(harsh environment and/or outdoor)

#### Resistant to occasional cleaning procedures

#### Resistant to occasional cleaning procedures (direct jet)

max. with high-pressure cleaner without additives  
water pressure: max. 100 bar, water temperature: max. 80° C, distance ≥ 0.15 m  
in accordance with the requirements IP 69K  
**box and cable entries at least IP 65**

#### Ambient temperature

- Average value over 24 hours
- Maximum value
- Minimum value

+ 35° C  
+ 40° C  
– 25° C

+ 35° C  
+ 40° C  
– 25° C

+ 35° C  
+ 40° C  
– 25° C

+ 55° C  
+ 70° C  
– 25° C

+ 55° C  
+ 70° C  
– 25° C

#### Relative humidity

- short-time

50% at 40° C  
100% at 25° C

50% at 40° C  
100% at 25° C

–  
–

50% at 40° C  
100% at 25° C

50% at 40° C  
100% at 25° C

#### Fire protection

- in the event  
of internal faults

#### Demands

placed on electrical devices from standards and laws

#### Minimum requirements

- Glow wire test in accordance with IEC 60 695-2-11
- 650° C for boxes and cable glands
- 850° C for conducting components

#### Burning behaviour

- Glow wire test IEC 60 695-2-11
- UL Subject 94

750° C  
V-2

flame-retardant  
self-extinguishing

960° C  
V-2

flame-retardant  
self-extinguishing

750° C  
–

flame-retardant  
self-extinguishing

960° C  
V-0

flame-retardant  
self-extinguishing

960° C  
5-V

flame-retardant  
self-extinguishing

#### Degree of protection against mechanical load

IK08 (5 Joule)

IK08 (5 Joule)

–

IK08 (5 Joule)

IK08 (5 Joule)

#### Toxic behaviour

halogen-free  
silicone-free

halogen-free  
silicone-free

halogen-free  
silicone-free

halogen-free  
silicone-free

halogen-free  
silicone-free

“Halogen-free” in accordance with IEC 754-2 “Common test methods for cables - Determination of the amount of halogen acid gas”.

To material properties see technical data.

### Operating and ambient conditions

#### Empty boxes

D ..., DP ..., DE ...,  
DM ..., KM ...,  
K 9..., K 8..., K 0...

#### Removable grommets

EKA 20, ERA 20,  
DPS 02

#### Empty boxes

KF ...

#### Empty boxes

KD ...

### Application area

Suitable for indoor installation (normal environment and/or protected outdoor)

Suitable for **outdoor installation (harsh environment and/or outdoor)**

#### Resistant to occasional cleaning procedures (direct jet)

max. with high-pressure cleaner without additives

water pressure: max. 65 bar, water temperature: max. 50° C, distance ≥ 0.5 m

in accordance with the requirements IP 69K

#### box and cable entries at least IP 65

**Ambient temperature**  
- Average value over 24 hours  
- Maximum value  
- Minimum value

–  
+ 40° C  
– 25° C

+ 35° C  
+ 60° C  
– 25° C

+ 55° C  
+ 70° C  
– 25° C

+ 55° C  
+ 70° C  
– 25° C

**Fire protection**  
in the event  
of internal faults

#### Demands

placed on electrical devices from standards and laws

#### Minimum requirements

- Glow wire test in accordance with IEC 60 695-2-11

- 650° C for boxes and cable glands

- 850° C for conducting components

**Burning behaviour**  
- Glow wire test  
IEC 60 695-2-11  
- UL Subject 94

750° C  
V-2  
flame-retardant  
self-extinguishing

750° C  
–  
flame-retardant  
self-extinguishing

960° C  
V-0  
flame-retardant  
self-extinguishing

960° C  
5V  
flame-retardant  
self-extinguishing

**Degree of protection  
against mechanical load**

IK07 (2 Joule)

–

IK08 (5 Joule)

IK08 (5 Joule)

**Toxic  
behaviour**

halogen-free  
silicone-free

halogen-free  
silicone-free

halogen-free  
silicone-free

halogen-free  
silicone-free

"Halogen-free" in accordance with IEC 754-2 "Common test methods for cables - Determination of the amount of halogen acid gas".

To material properties see technical data.



## DK Cable junction boxes

### Technical details

### Operating and ambient conditions

Operating and ambient conditions	Boxes with terminals	Cable glands	Sealing plugs
	KX ...	AXM ...	VXM ...
<b>Application area</b>	Suitable for indoor installation (normal environment and/or protected outdoor)		
<b>Ambient temperature</b> - Average value over 24 hours - Maximum value - Minimum value	+ 35° C + 40° C – 20° C	+ 35° C + 40° C – 20° C	+ 35° C + 40° C – 20° C
<b>Relative humidity</b> - short-time	50% at 40° C 100% at 25° C	— —	— —
<b>Burning behaviour</b> - Glow wire test IEC 60 695-2-11	960° C flame-retardant self-extinguishing	960° C flame-retardant self-extinguishing	960° C flame-retardant self-extinguishing
<b>Degree of protection against mechanical load</b>	IK08 (5 Joule)	—	—
<b>Toxic behaviour</b>	halogen-free silicone-free	halogen-free silicone-free	halogen-free silicone-free

“Halogen-free” in accordance with IEC 754-2 “Common test methods for cables - Determination of the amount of halogen acid gas”.

To material properties see technical data.

**Hensel cable junction boxes and cable entry systems comply with the following standards and requirements:**

#### 1. Cable junction boxes

- IEC 60 998 -1  
Connecting devices for low voltage circuits for household and similar purposes  
Part 1: General requirements
- IEC 60 998 -2 -1  
Connecting devices for low voltage circuits for household and similar purposes  
Part 2-1: Particular requirements for connecting devices as separate entities with screw-type terminals  
Part 2-2: Particular requirements for connecting devices as separate entities with screwless-type terminals
- IEC 60 670-22  
Particular requirements for connecting boxes and enclosures
- IEC 60 999  
Connecting devices  
Safety requirements for screw-type and screwless-type clamping units for electrical copper conductors
- IEC 60 529  
Degrees of protection provided by enclosures (IP-Code)
- IEC 754-2  
Common test methods for cables - Determination of the amount of halogen acid gas.

#### 2. Cable junction boxes with terminal blocks

- EN 60 947 -7-1  
Low-voltage switchgear and controlgear, Part 7: Auxiliary equipment;  
Section 1 - Terminal blocks for copper conductors
- IEC 60 529  
Degrees of protection provided by enclosures (IP-Code)

#### 3. Conduit entries (ERA 20)

- EN 60 423  
Conduits for electrical purposes - Outside diameters of conduits for electrical installations and threads for conduits and fittings



Junction box with connected cables after testing.



Test temperature curve in accordance with DIN 4102

#### Box fixing with plugs:

##### Anchor (building materials)

- Limestone blocks KS 12
- Building bricks Mz 12
- Airbricks HLz 12
- Limestone air blocks KSL 12
- Prestressed concrete slabs
- Porous concrete slabs => 3.3
- Porous concrete blocks => 4
- Concrete => B25 / =< B55

#### Ambient conditions in working operation:

##### Application area

##### Ambient temperature

- Average value over 24 hours
- Maximum value
- Minimum value

##### Relative humidity

- short-time

##### Material

#### Degree of protection against mechanical load

#### Standards and regulations:

Safety circuits must remain operational for a sufficient period in accordance with the national regulations governing fire protection requirements for cable installations during exposure to fire.

This ensures that electrotechnical equipment such as luminaires, lifts, smoke outlets, alarm systems etc. are supplied with power for 30 or 90 minutes and thereby enable people to leave the building and assist rescue teams in carrying out their work.

When planning and implementing these cable installations, the current specimen regulation for fire protection requirements in these installations must be observed.

#### FK Cable junction boxes comply with these requirements when used together with type-approved cables as well as suitable cable clamps or mounting devices.

- Cable junction boxes tested for intrinsic fire resistance.
- Degree of protection IP 65, IP 66
- Box made from sheet steel with powder coating or duroplastic, pastel orange RAL 2003
- No additional fire load, no toxic or corrosive emissions
- Intrinsic fire resistance according to DIN 4102 part 12 (German standard) in connection with function-retaining cables of 0.5-16 mm<sup>2</sup>
- Protection against direct contact also maintained due to the box
- Captive cover with 4 screw fixings

Fischer type ...					Hilti type ...		
FIS V..	FNA..	FBS..	FBN..	FHY..	HUS..	HSA..	HIT-HY..
x					x		x
x					x		x
x							x
x							x
				x			
					x		x
					x		x
	x	x	x		x	x	

**Please observe the current approvals and notes from the manufacturer of the plugs.**

FK 7xx5	FK 9xx5	FK 9259
Suitable for indoor installation and outdoor installation, protected against weather influences		
+ 35° C + 40° C - 25° C	+ 35° C + 40° C - 25° C	+ 35° C + 40° C - 5° C
50 % at 40° C 100 % at 25° C	50 % at 40° C 100 % at 25° C	50 % at 40° C 100 % at 25° C
duroplastic halogen-free	sheet steel with powder coating halogen-free	
IK06 (1 Joule)	IK 10 (20 Joule)	

IEC 60 998 -1	IEC 60 529	DIN 4102 Part 2
IEC 60 998 -2 -1	IEC 60 947 -7 -1	DIN 4102 Part 12
IEC 60 998 -2 -5	EN 50 262	

## Potentially explosive atmospheres according to ATEX

### Zone definitions\*:

- From 1.1.2003 onwards within the European Union only materials that comply with EU directive 94/9/EG (ATEX 100a) must be installed in new systems.
- The change creates a complete separation between dust-explosion protection and gas-explosion protection.

#### **GAS-explosive area**

##### **Zone 0 - gases**

An area in which an explosive atmosphere comprising a mixture of air and flammable substances in the form of gases, vapours or liquid aerosol is present continuously, for long periods or frequently.

##### **Zone 1 - gases**

An area in which it is expected that an explosive atmosphere comprising a mixture of air and flammable substances in the form of gas, vapour or liquid aerosol may occur occasionally during normal operations.

##### **Zone 2 - gases**

An area in which it is not expected that an explosive atmosphere comprising a mixture of air and flammable substances in the form of gas, vapour or liquid aerosol occurs during normal operation; but if it does occur, then only for a short period.

#### **DUST-explosive area**

##### **Zone 20 - dust**

An area in which an explosive atmosphere in the form of a cloud of combustible dust in air is present continuously, for long periods or frequently.

##### **Zone 21 - dust**

An area in which it is expected that an explosive atmosphere in the form of a cloud of combustible dust in air is likely to occur occasionally during normal operations.

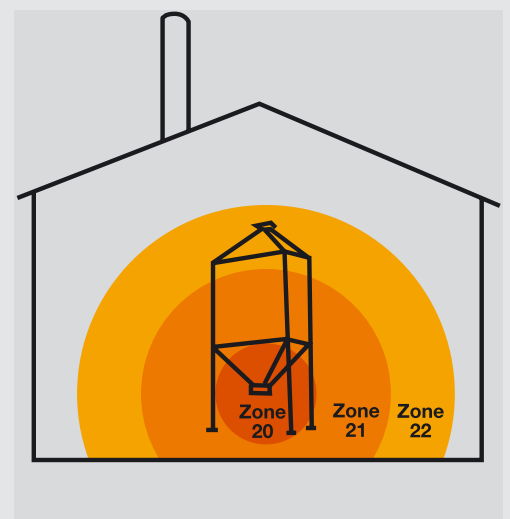
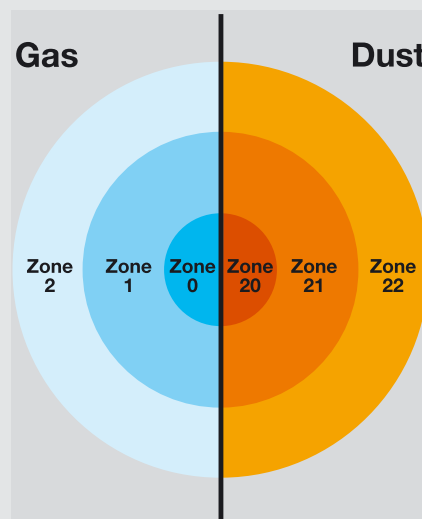
##### **Zone 22 - dust**

An area in which it is not expected that an explosive atmosphere in the form of a cloud of combustible dust in air occurs during normal operations; but if it does occur, then only for a short period.

### Selecting the equipment\*

1. The proprietor specifies the separation into explosive areas (dust/gas), the zones and the type of material (atmosphere/dust) with flash point, ignition temperature, conductive or non-conductive.
2. This information must be used to define the requirements in regard to selecting the right equipment.
3. The device ID must provide information about where and in which areas the equipment must be used (device category and, consequently, allocation to the hazard zone).

\* Please consider possible different local regulations.





### Device marking:



Manufacturer



Special marking  
according to EU directive 94/9/EG (ATEX)

KX xxxx

Type



compliance according to EU Directive 94/0/EG

Ex

Explosion-proof according to European standard

nA

Protection type "n":

Protection type that is used on electrical equipment, so that during normal operations and under certain unusual conditions defined in EN 50 021:1999 they are unable to ignite a surrounding explosive atmosphere.

Class A: non-sparking equipment

II

Device group II:

These devices are for use in all areas which may be endangered by an explosive atmosphere apart from underground mines and above-ground mining systems.

3

Category 3:

Devices in this category are for use in areas in which it is not expected that an explosive atmosphere caused by gases, vapours, liquid aerosols or dust/air mixtures will occur but if they do occur, then generally only seldom and for a short period.

G

Ex-atmosphere G = Gas

D

Ex-atmosphere D = Dusts

T 100° C

Maximum surface temperature for the device:  
temperature that can occur under the most unfavourable conditions on the surface of the device.

Compare with specification for ignition temperature.

T5

Temperature class T5 = 100° C

IP 65

Degree of protection according to IEC 60 529

690 V

Rated voltage

2009/xxxx

Year of manufacture





## DK Cable junction boxes

ENYCASE