

delta

Electrical installation from A to Z



DELTA Switches and
Socket Outlets



SIEMENS

Catalog ET D1 • 2007

Catalogs for the division: Electrical Installation Technology

ALPHA Distribution Boards and Terminal Blocks

ALPHA Small Distribution Boards, ET A1 Distribution Boards, Terminal Blocks

Order No.:
E86060-K8210-A101-A7-7600



ALPHA 400-ZS Meter Cabinets ET A2

Regional catalogs available on request
(available in German only)



BETA Low-Voltage Circuit Protection

Order No.:
E86060-K8220-A101-A8-7600

ET B1



Technical Information ET B1 T

Order No.:
pdf only: (E86060-K8229-A101-A8-7600)



GAMMA Building Controls

Order No.:
E86060-K8230-A101-A7-7600

ET G1



DELTA Switches and Socket Outlets

Order No.:
E86060-K8240-A101-A7-7600

ET D1



The A&D Offline Mall

Order No.:
E86060-D4001-A110-C5-7600 (CD-ROM)
E86060-D4001-A510-C5-7600 (DVD)

CA 01



Identification codes for fast orientation



New products not contained in the
previous catalogs

Ordering

Order nos., prices and weights generally apply
to the same quantity:

- Units
- Set or
- Package

The package size (abbreviated as PS) specifies
the minimum quantity of a product to be ordered.
You can order this quantity or a multiple thereof.
The packing unit (abbreviated as P.unit) speci-
fies the number of units, sets or packages in a
master carton.

Export regulations

The products listed in this catalog/price list may
be subject to European/German and/or US ex-
port regulations.

Therefore, any export requiring a license is sub-
ject to approval by the competent authorities.
According to current provisions, the following
export regulations must be observed with re-
spect to the products featured in this catalog/
price list:

AL Number of the German Export List

Products marked other than "N" require an
export license.

In the case of software products, the export
designations of the relevant data medium
must also be generally adhered to.

Goods labeled with an "AL not equal to N"
are subject to a European or German export
authorization when being exported outside
the EU.

ECCN Number of the US Export List
(Export Control Classification Number).

Products marked other than "N" are subject
to a reexport license in specific countries.

In the case of software products, the export
designations of the relevant data medium
must also be generally adhered to.

Goods labeled "ECCN not equal to N" are
subject to US re-export authorization.

Even without a label, or with an "AL: N" or
"ECCN: N" authorization may be required due to
the final destination and purpose for which the
goods are to be used.

The deciding factors are the AL or ECCN export
authorization indicated on order confirmations,
delivery notes and invoices.

Errors excepted and subject to change without
prior notice.

Internet

Visit our Automation and Drives Web site on the
Internet. You will find us at the following addresses

- Automation and Drives:
<http://www.siemens.com/automation>
- Electrical Installation Technology:
<http://www.siemens.com/e-installation>
- for the A&D Mall:
<http://www.siemens.com/automation/mall>

SIEMENS

DELTA Switches and Socket Outlets

Catalog ET D1 · 2007

Supersedes: Catalog ET D1 · 2006



The products contained in this catalog are also included in the Offline-Mall CA 01
Order No.:
E86060-D4001-A110-C5-7600 (CD-ROM)
E86060-D4001-A510-C5-7600 (DVD)



The products and systems listed in this catalog are manufactured using a quality management system certified by BVQI and according to EN ISO 9001:2000-12 (Certificate No. 117779)

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Design

Functions

1 DELTA i-system
IP20, IP44



2 DELTA line
IP20, IP44



3 DELTA vita
IP20, IP44



4 DELTA miro
IP20, IP44



5 DELTA profil
IP20



6 DELTA style
IP20, IP44



7 DELTA natur
IP20



8 DELTA ambiente
IP20



9 DELTA m-system



10 DELTA area
IP20



11 DELTA fläche Surface
Mounting IP44, IP68



12 Switching/Pushbutton
Control/Dimming



13 Motion Detectors



14 Shutter/Blind Controls



15 Room Temperature
Controllers



16 Data and
Communication
Systems



17 Remote Control
Systems



18 DELTA reflex



19 GAMMA
Building Controls



20 Technical Information

21 Appendix



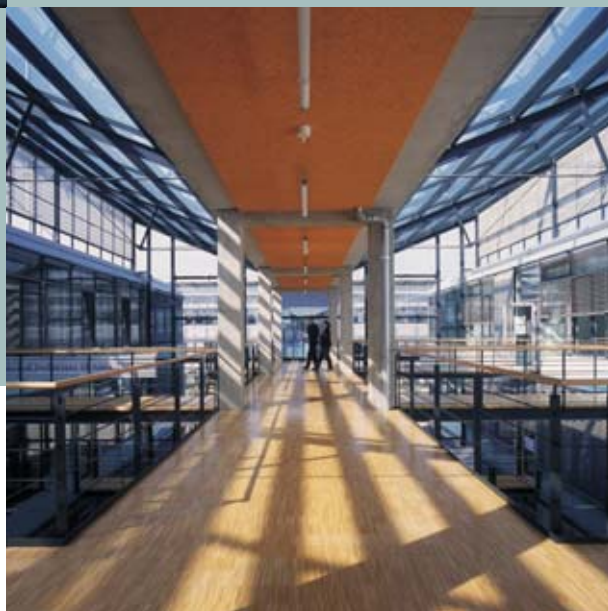
Siemens Automation and Drives. Welcome

More than 60,000 people aiming for the same goal: increasing your competitiveness. That's Siemens Automation and Drives.

We offer you a comprehensive portfolio for sustained success in your sector, whether you're talking automation engineering, drives or electrical installation systems. Totally Integrated Automation (TIA) and Totally Integrated Power (TIP) form the core of our offering. TIA and TIP are the basis of our integrated range of products and systems for the manufacturing and process industries as well as building automation. This portfolio is rounded off by innovative services over the entire life cycle of your plants.

Learn for yourself the potential our products and systems offer. And discover how you can permanently increase your productivity with us.

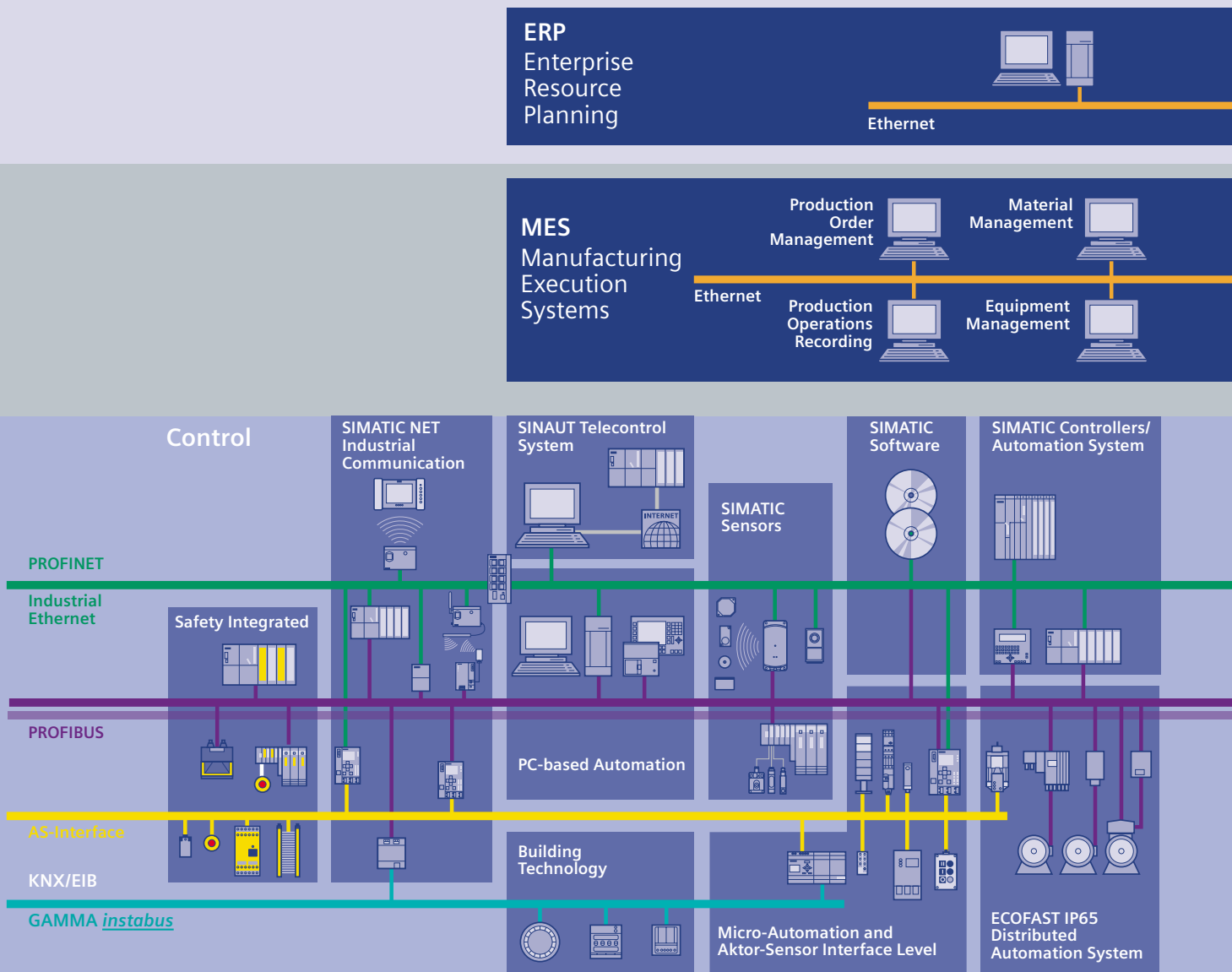
Your regional Siemens contact can provide more information. He or she will be glad to help.



Sharpen your competitive edge. Totally Integrated Automation

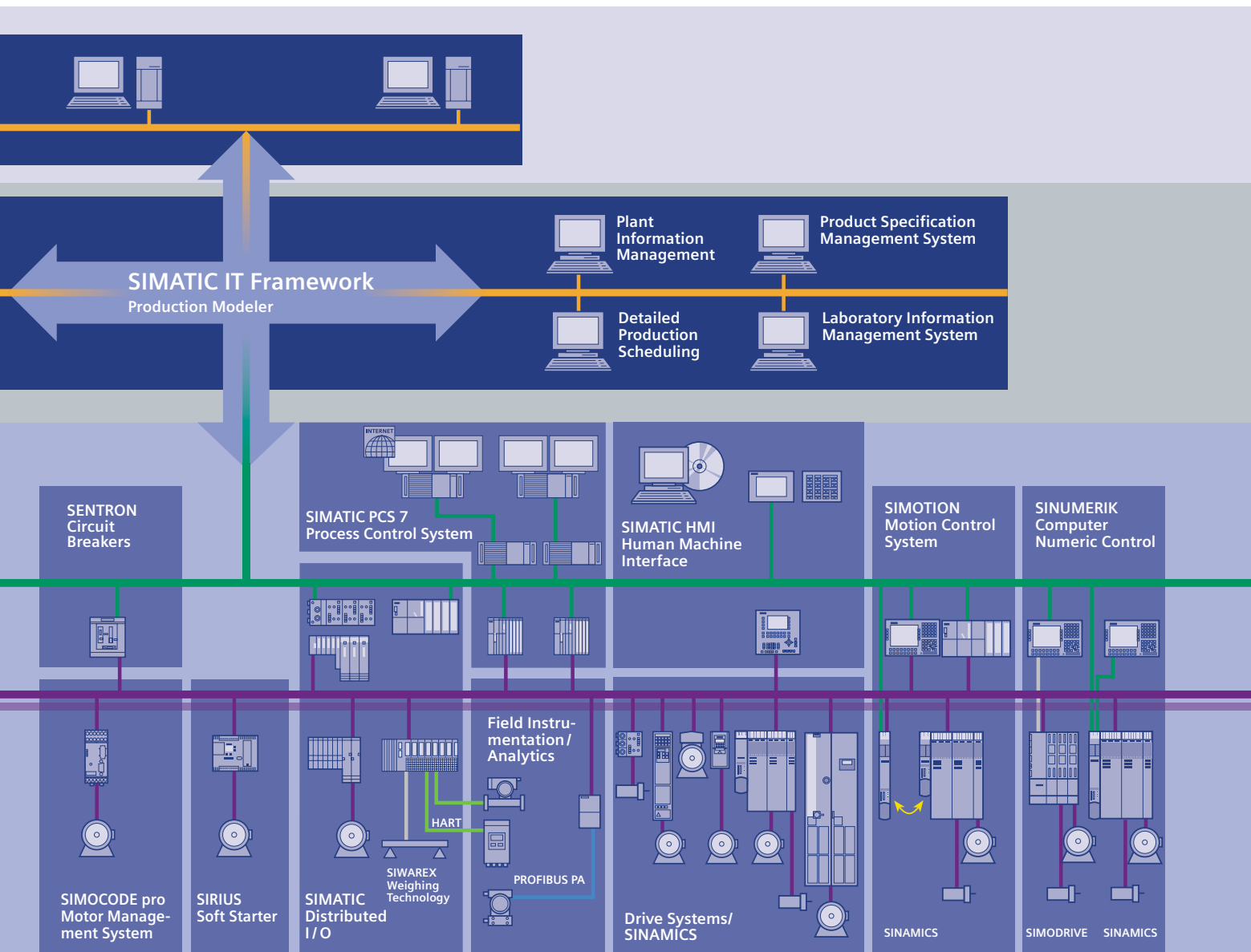
With Totally Integrated Automation (TIA), Siemens is the only manufacturer to offer an integrated range of products and systems for automation in all sectors - from incoming goods to outgoing goods, from the field level through the production control level to connection with the corporate management level.

On the basis of TIA, we implement solutions that are perfectly tailored to your specific requirements and are characterized by a unique level of integration. This integration not only ensures significant reductions in interface costs but also guarantees the highest level of transparency across all levels.



It goes without saying that you profit from Totally Integrated Automation during the entire life cycle of your plants - from the first planning steps, through operation, right up to modernization. Consistent integration in the further development of our products and systems guarantees a high degree of investment security here.

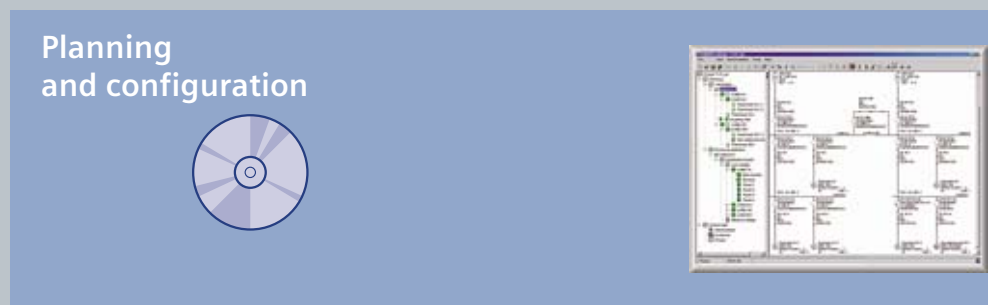
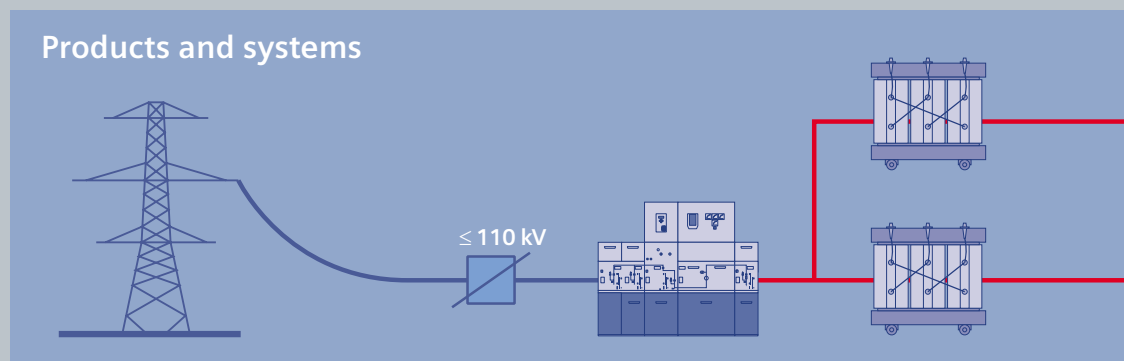
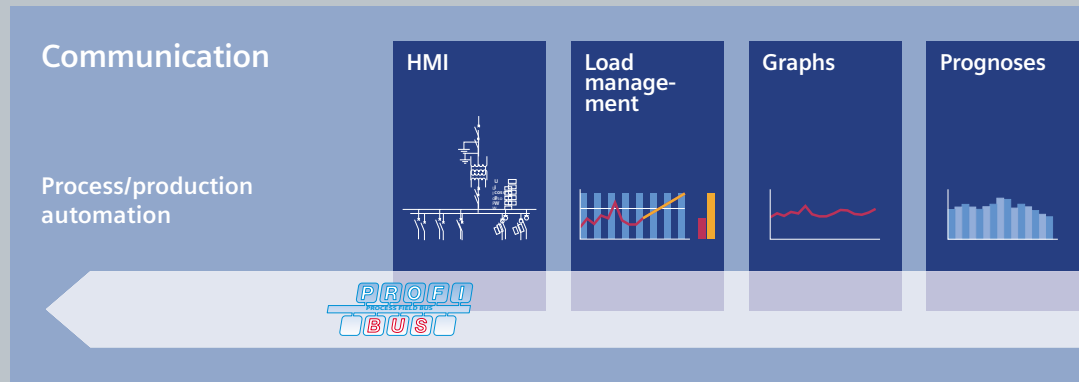
Totally Integrated Automation makes a crucial contribution towards optimizing everything that happens in the plant and thus creates the conditions for a significant increase in productivity.



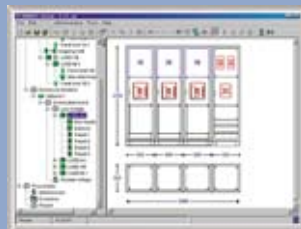
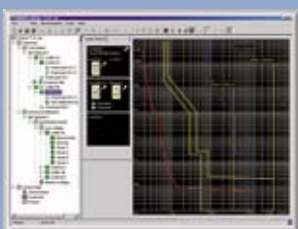
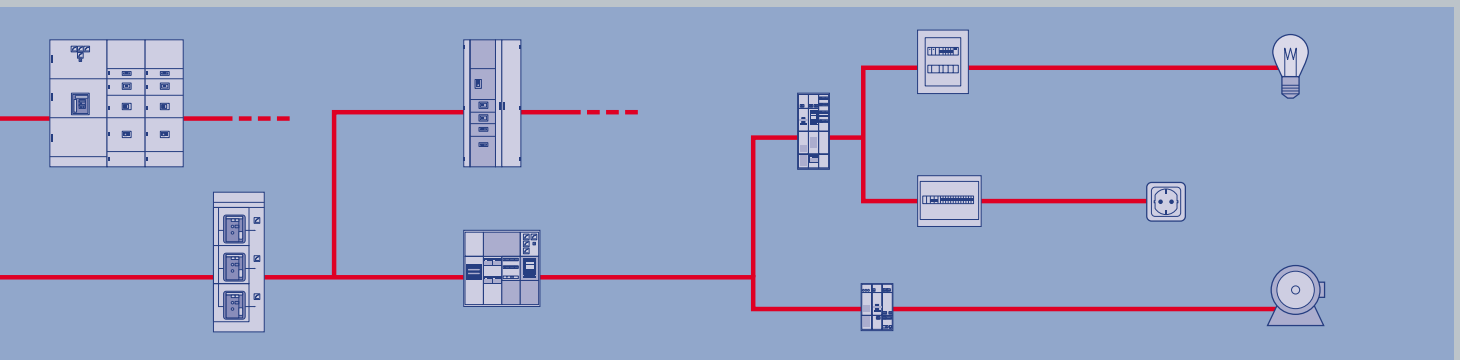
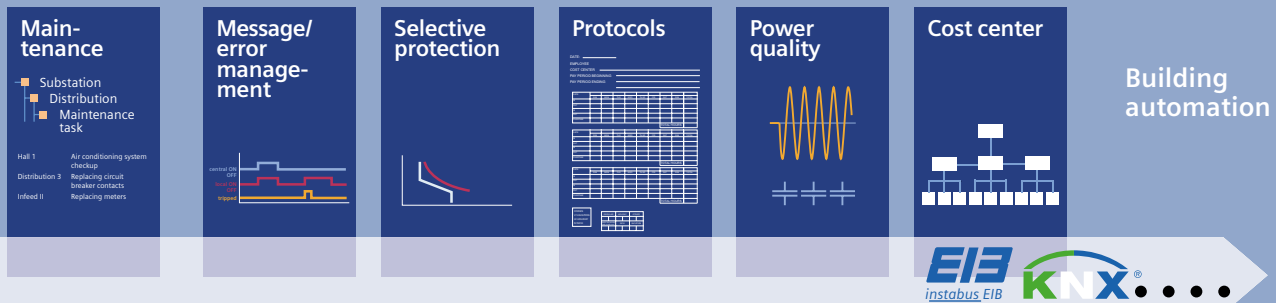
Integrated energy distribution from a single source. Totally Integrated Power

Totally Integrated Power (TIP) brings together all the components of electrical energy distribution into an integrated whole. Thus TIP provides the answer to growing market demands in the planning, construction and use of utility buildings and industrial buildings.

On the basis of TIP, we offer integrated solutions for energy distribution, from medium voltage to the power outlet. Totally Integrated Power is based here on integration in planning and configuring as well as on perfectly matched products and systems.



Totally Integrated Power offers communication and software modules for connecting the energy distribution systems to industrial automation and building automation. This enables the implementation of significant savings potential.





ALPHA distribution boards and terminal blocks

The ALPHA range covers small distribution boards, meter cabinets, wall and floor-mounted distribution boards and molded-plastic distribution boards. The ALPHA FIX terminal blocks meet all your needs for clear and manageable wiring using a full range of connection systems.



BETA low-voltage circuit protection

Siemens offers an optimally coordinated device range for line protection, personal and fire protection, lightning and overvoltage protection, device and system protection.

Based on an allround protection concept, our device range offers a complete spectrum of protection devices, such as fuses, miniature circuit-breakers, residual current-operated circuit-breakers and surge suppressors, as well as switching devices, measuring instruments and monitoring devices.



GAMMA building controls

The innovative GAMMA *instabus* building controls lets you increase safety and convenience and maximize efficiency. GAMMA *instabus* controls lighting, shading and room temperature. All the electrical functions of a building can be intelligently integrated into the system. Connection to other systems of a building, e.g. LAN, opens up a whole new world of applications. A key feature of GAMMA *instabus* is its great flexibility.



DELTA switches and socket outlets

The DELTA switch and socket outlet range combines a wide range of different design interfaces with more innovative and safer technology. And because the operator interfaces are simple to interchange, you can enjoy complete safety – even when your taste or the environment changes.

A to Z

Siemens electrical installation: the world of electrical installation technology

These days, it's hard to imagine daily life without electricity.

Modern electrical switching and installation technology is an essential requirement for ensuring that our use of electricity is safe and user-friendly.

Innovative from the outset

The Siemens electrical installation technology group has been working in this sector for more than 110 years and we are constantly developing new products – innovations, which make the use of electricity increasingly safer and more cost effective. Ideal for residential, non-residential or industrial buildings. In accordance with all internationally valid regulations and standards. Using new technologies, such as GAMMA *instabus* we have opened up new horizons in the area of private housing. In addition, we are also building bridges between factory automation and building management in the industrial and non-residential building sector.



Quality you can rely on

All our products are subject to the most rigorous quality specifications during production and testing. And we ensure strict compliance with these specifications in order to offer our customers nothing but the very best. Our numerous certificates are further confirmation of our endeavors in this respect. The quality of a product is largely determined in its development phase. From the very outset, reliability demands and the accompanying quality assurance measures are defined and incorporated in the design. The first quality inspections are already run on the pilot and test series.

DELTA switches and socket outlets provide solutions in all areas:



Industrial buildings



Non-residential buildings



Residential buildings

Electrical Installations from Regensburg and Across the Globe

Our factory in Regensburg

The Regensburg device factory is now one of the world's leading manufacturers of installation devices and systems. Since it was founded in 1948 it has become one of the largest employers of the region and currently boasts a staff of around 1,500 employees. Development is carried out using cutting-edge tools such as CAD, simulation and automated laboratory equipment. It goes without saying that our devices offer complete electromagnetic compatibility as the proportion of electronic devices in electrical installation technology is constantly on the increase. This is particularly noticeable in building control systems.

Our products are subject to the harshest conditions: the technology used is tried and tested and ensures complete functional reliability. Circuit-breakers must comply with national and international regulations. During testing, our devices are subjected to considerably higher demands than those defined in the regulations. For our customers, this means rugged and long-lasting devices that provide maximum reliability and ease of operation.

Environmentally-friendly products and production methods

We make every endeavor to ensure that our production methods are environmentally friendly. This has already been rewarded with several environment awards for outstanding services rendered to environment protection and nature conservation. We do not use substances that are harmful to the environment, such as lead, mercury, cadmium, hexavalent chromium compounds, PBB or PBDE. Our switches and socket outlets have been cadmium-free for more than a decade. Once again, Siemens is a pioneer in its field.



I201_13392



Branches worldwide

The products developed here are manufactured not just in Regensburg but worldwide in our factories. These products (and systems) prove their high performance, quality and reliability on a daily basis.

Services

Always up-to-date – high quality training

Knowledge is the key to success:

our seminars help you create the basis for a successful business.

In our modern training center in Regensburg – the first one to be certified by EIBA – or at a range of other locations, our expert training staff will help you acquire the necessary theoretical and practical know-how to succeed. Clearly structured and with multimedia teaching tools. Available in German and English.

Step-by-step, you will be familiarized with GAMMA *instabus* applications – from configuration, commissioning and assembly, through to the implementation of sophisticated customer solutions.

Please note: our seminars cover all levels and are designed to meet all requirements. From PC beginner courses through to special courses for GAMMA *instabus* experts. Our individual support guarantees a successful seminar: the courses are for a limited number of participants and optimum attention is paid to your individual requirements – for maximum success and a minimum investment of your valuable time. If required, we can also hold in-house courses at your company's premises. Please do not hesitate to contact us.

Tel.: +49 (941) 790 2950

E-Mail: cscet.aud@siemens.com



Training and sales advice

Save time with planning aids

Whether you are an installation engineer, planner or switchgear engineer – we have tools that help you plan the layout of your distribution boards and meter cabinets. And that gives you more time to spend on other projects.



ALPHA configuration software

Comprehensive service and support

You can rely on Siemens technology – as well as on our services and support. We offer assistance in all matters: from the planning of your electrical installation technology, to training, to marketing, advertising and public relations.

Tel.: +49 (0)180 50 50 222

Fax: +49 (0)180 50 50 223

E-Mail:

technical-assistance@siemens.com



Personal support

Information material and contacts

If you require any further information, we have a wide range of information material for you and your customers: an overview of our versatile switches and socket outlets, our building control systems and our modular installation devices and distribution boards. If you have any queries, requirements or suggestions: just call.

Tel.: +49 (0)911 895 5900

Fax: +49 (0)911 895 5907

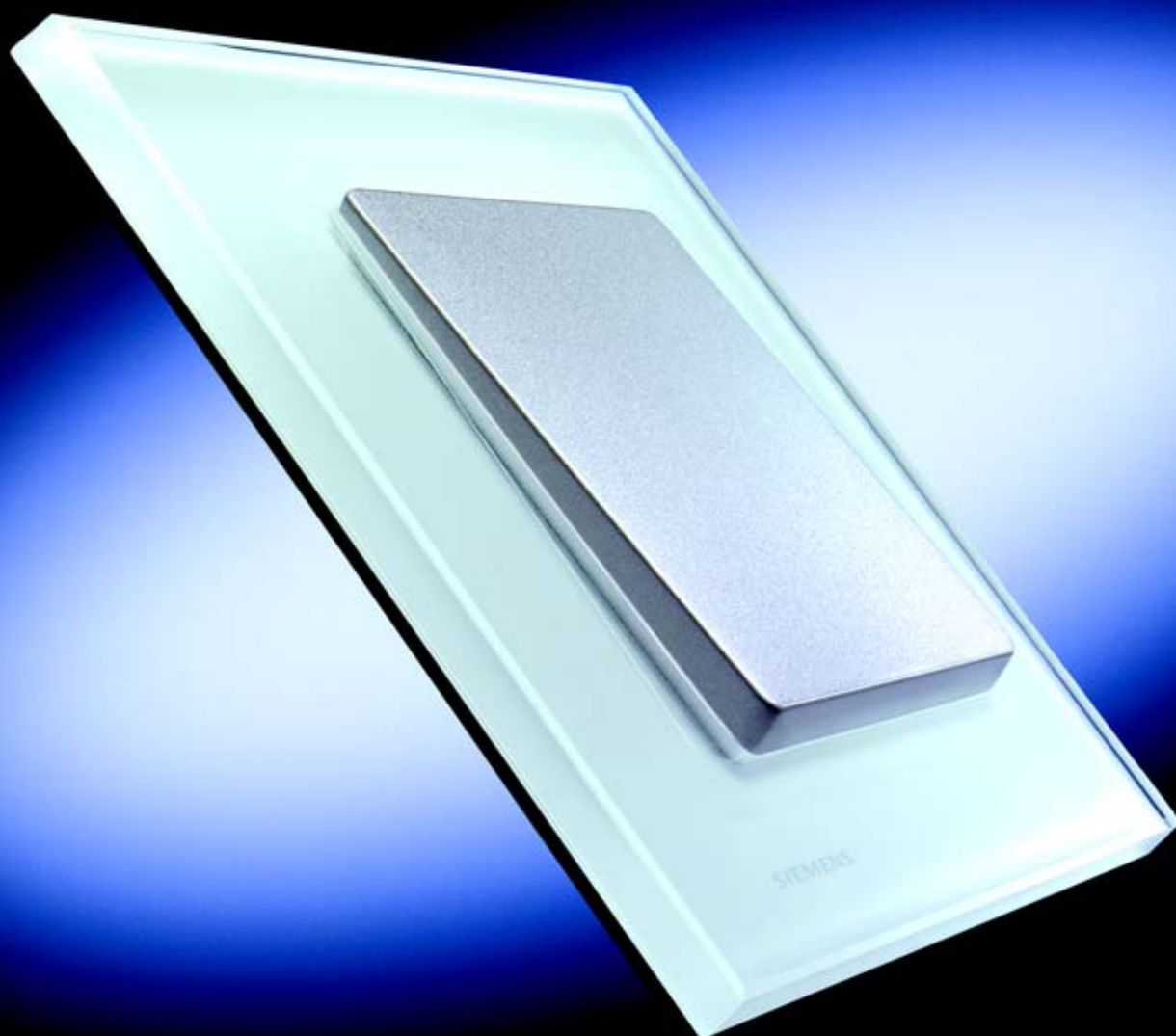
E-Mail:

technical-assistance@siemens.com

<http://www.siemens.com/e-installation>



Comprehensive information material for you and your customers



D

 DELTA product ranges
On the right track

Simple inscription

A new software tool means it has never been easier to label your switches, distribution boards and modular installation devices

The new PC-based inscription tool serves the inscription of label inserts, forms and other documentation of the relevant products from the following segments: ALPHA (distribution boards and terminal blocks), BETA (low-voltage circuit protection), GAMMA (building controls) and DELTA (switches and socket outlets).

The inscription tool is a software that supports users when labeling meter cabinets, wall-mounted and floor-mounted distribution boards, modular installation devices or the relevant components from the switch and socket outlet system and socket outlet segment. A key feature of this tool is its extremely simple and user-friendly operator guidance. A single operator interface gives users access to all the relevant products of the ALPHA, BETA, GAMMA and DELTA ranges. The relevant forms and products are integrated in the tool complete with images and can be called up as needed.

Load, label, print

The catalog search facility lets you call up the products of the desired product range as and when required. In this way, for example, you can display the operator interfaces of the DELTA i-system. A simple mouse click imports the image of the selected switch to be labeled to the editing area. The surfaces that can be labeled are highlighted. So users can see immediately where

the text will be. On the right-hand side of the user interface, users can change the layout and format of the required text. You can even upload and edit preprepared texts. The tool also allows users to insert symbols, special characters and even images to improve the clarity of the inscription.

Once the required number of labels has been set, the pages can be printed out on a standard printer onto a prepunched adhesive film or simply on A4 paper and used immediately. So it couldn't be easier to label any number of distribution boards, outlets or switches.

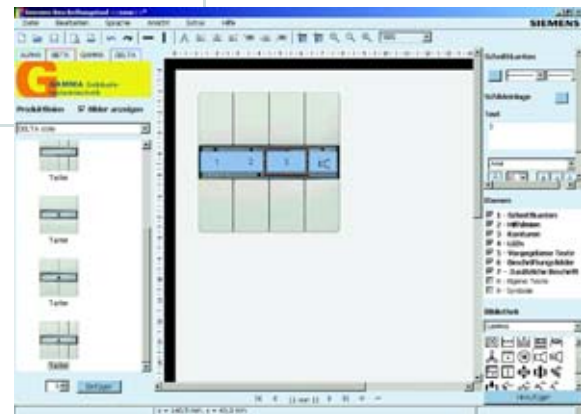
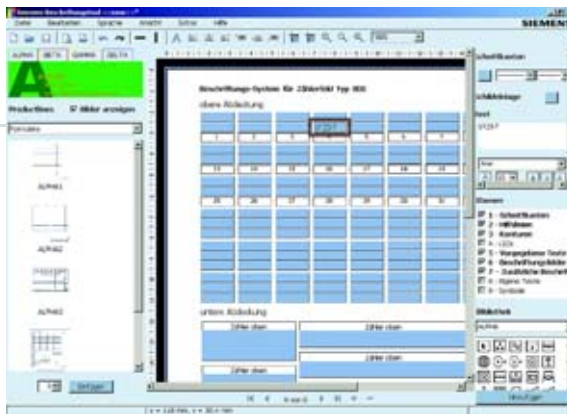
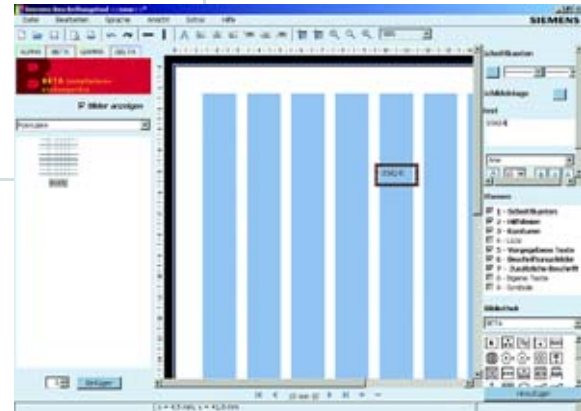
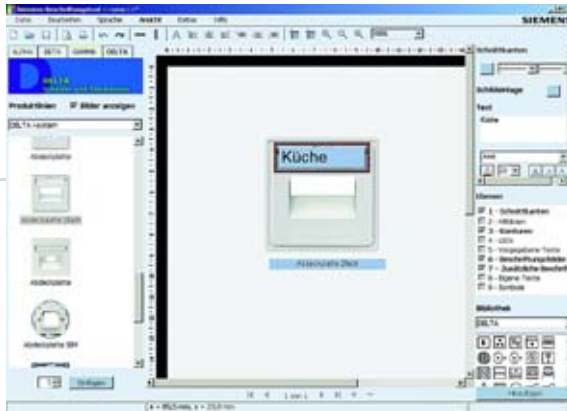
This inscription tool is available free of charge and can be downloaded on the Internet in either English or German. The software runs on all the more recent versions of the Microsoft operating system. The operator guidance helps users to install the inscription tool without any problems. For easy application, an icon is automatically placed on the desktop.

You can download the inscription tool at::

http://www.automation.siemens.com/et/html_00/support/label_tool.htm

For further practical tips:

http://www.automation.siemens.com/et/html_00/support/praxistipps.htm



A single operator interface gives users access to all the relevant products of the ALPHA, BETA, GAMMA and DELTA ranges. The respective catalogs with images of the devices and systems are integrated in the tool and can be called up as needed.

DELTA Price Overview



Titanium white
Further colors:
Electrical white



Aluminum metallic
Further colors:
Carbon metallic



Titanium white/red/
titanium white
Further colors
of color elements:
Titanium white, yellow, green, orange, red,
dark red, dark blue, platinum, gold



Aluminum metallic/
blue,
aluminum metallic
metallic silver



Carbon metallic/
chrome/
Carbon metallic

DELTA line

DELTA vita

Universal off/two-way switch		x	x	x	x	x
Two-circuit switches		x	x	x	x	x
Off/two-way switches and SCHUKO ® socket outlets		x	x	x	x	x
SCHUKO ® socket outlets/ complete assembly 80 x 80 mm		x	x	x	x	x
SCHUKO ® socket outlets with child protection		x	x	x	x	x
SCHUKO ® double socket outlets		x	x	x	x	x
Aerial branch-circuit boxes		x	x	x	x	x
TAE box 3 x 6 NFN		x	x	x	x	x
Incandescent lamps rotary dimmers 50 to 600 W		x	x	x	x	x
Motion detectors (with triac inserts)		x	x	x	x	x
Shutter/blind control (conventional)		x	x	x	x	x
GAMMA <i>instabus</i> pushbuttons, single ¹⁾		x	x	x	x	x
GAMMA <i>instabus</i> pushbuttons, double ¹⁾		x	x	x	x	x

All prices are quoted in euros and exclude the valid VAT.

All prices are recommended retail prices. Subject to change without notice.

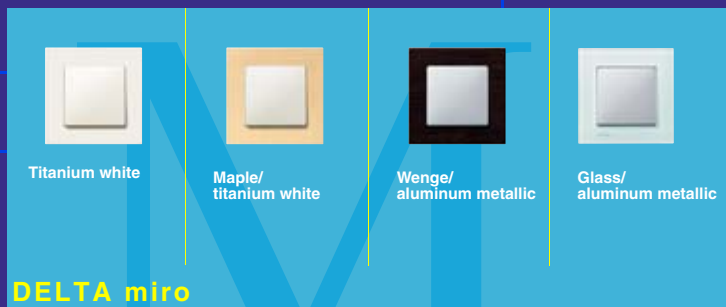
List prices (incl. insert, operator interface and frame)

¹⁾ combined with DELTA bus coupling unit, pushbutton position

Switch range with DELTA i-system components

x available

-- not available



Universal off/two-way switch		x	x	x	x	x
Two-circuit switches		x	x	x	x	x
Off/two-way switches and SCHUKO® socket outlets		x	x	x	x	x
SCHUKO® socket outlets/complete assembly 80 x 80 mm		x	x	x	x	x
SCHUKO® socket outlets with child protection		x	x	x	x	x
SCHUKO® double socket outlets		x	x	x	x	x
Aerial branch-circuit boxes		x	x	x	x	x
TAE box 3 x 6 NFN		x	x	x	x	x
Incandescent lamps rotary dimmers 50 to 600 W		x	x	x	x	x
Motion detectors (with relay insert)		x	x	x	x	x
Shutter/blind control (conventional)		x	x	x	x	x
GAMMA instabus pushbuttons, single ¹⁾		x	x	x	x	x
GAMMA instabus pushbuttons, double ¹⁾		x	x	x	x	x

All prices are quoted in euros and exclude the valid VAT.

All prices are recommended retail prices. Subject to change without notice.

List prices (incl. insert, operator interface and frame)

¹⁾ combined with DELTA bus coupling unit, pushbutton position

Switch range with DELTA i-system components

x available

-- not available



Universal off/two-way switch		x	x	x	x	x
Two-circuit switches		x	x	x	x	x
Off/two-way switches and SCHUKO® socket outlets		x	x	x	x	x
SCHUKO® socket outlets/complete assembly 80 x 80 mm		x	x	x	x	x
SCHUKO® socket outlets with child protection		x	x	x	x	x
SCHUKO® double socket outlets		x	x	x	x	x
Aerial branch-circuit boxes		x	x	x	x	x
TAE box 3 x 6 NFN		x	x	x	x	x
Incandescent lamps rotary dimmers 50 to 600 W		x	x	x	x	x
Motion detectors (with relay insert)		x	x	x	x	x
Shutter/blind control (conventional)		x	x	x	x	x
GAMMA instabus pushbuttons, single ¹⁾		x	x	x	x	x
GAMMA instabus pushbuttons, double ¹⁾		x	x	x	x	x

All prices are quoted in euros and exclude the valid VAT.

All prices are recommended retail prices. Subject to change without notice.

List prices (incl. insert, operator interface and frame)

¹⁾ combined with DELTA bus coupling unit, pushbutton position

²⁾ discontinued model

x available

-- not available



Universal off/two-way switch		x	x	x	x	x
Two-circuit switches		x	x	x	x	x
Off/two-way switches and SCHUKO® socket outlets		x	x	x ²⁾	x ²⁾	x
SCHUKO® socket outlets/ complete assembly 80 x 80 mm		x	x	--	--	
SCHUKO® socket outlets with child protection		x	x	x	x	x
SCHUKO® double socket outlets		x	x	x ²⁾	x ²⁾	x
Aerial branch-circuit boxes		x	x	x	x	--
TAE box 3 x 6 NFN		x	x	x	x	--
Incandescent lamps rotary dimmers 50 to 600 W		x	x	x	x	--
Motion detectors (with relay insert)		--	--	--	--	--
Shutter/blind control (conventional)		x	x	x	x	x
GAMMA instabus pushbuttons, single ¹⁾		x	x	x	x	x
GAMMA instabus pushbuttons, double ¹⁾		x	x	x	x	x

All prices are quoted in euros and exclude the valid VAT.

All prices are recommended retail prices. Subject to change without notice.

List prices (incl. insert, operator interface and frame)

¹⁾ combined with DELTA bus coupling unit, pushbutton position

²⁾ Socket outlet with increased protection against contact

³⁾ color achieved through staining

x available

-- not available



DELTA line



DELTA vita



DELTA miro Glas



DELTA miro Holz



DELTA miro Color



DELTA profil



DELTA style



DELTA natur



DELTA ambiente



DELTA area 20



DELTA fläche
IP44

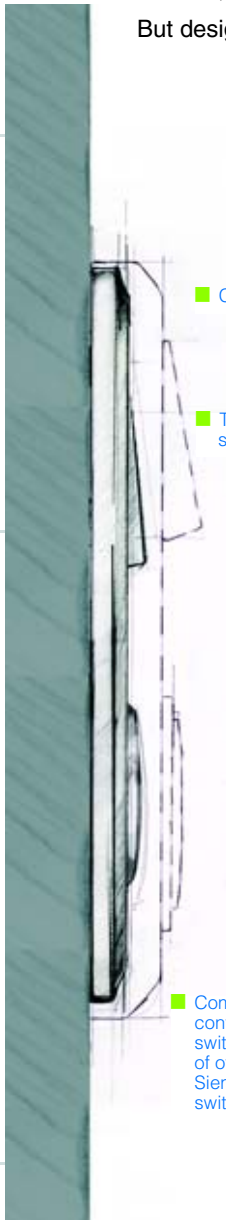
DELTA product ranges

Classic or exclusive design, flexible system or upscale material. Our DELTA product ranges are versatile enough to satisfy any taste. And each product range is suitable for the GAMMA *instabus* – the future-proof electrical installation system for enhanced convenience in the home. So you are absolutely independent in the choice of your favorite design.

And if, in the course of time, your taste or your furniture changes: the operator interfaces are simple to swap. The insert stays in the wall, simply replace the design interface. All par for the course with Siemens.

The Perfect Solution for a Flat Design

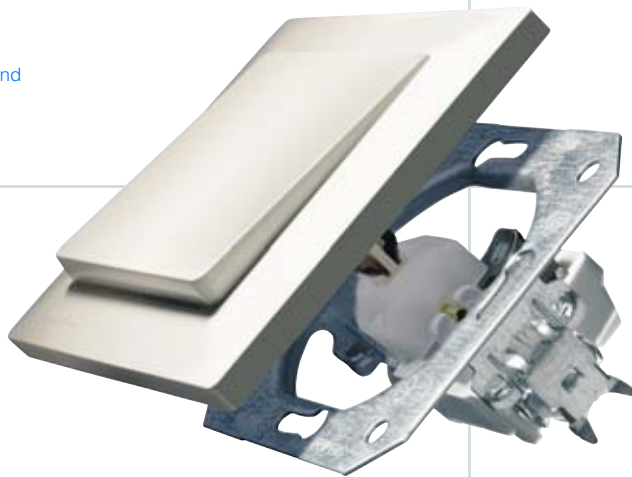
The design of switches and socket outlets needs to meet individual requirements. After all, they're usually on open view and are not likely to be replaced in a hurry. But design is about more than just appearance. Above all, it must be functional.



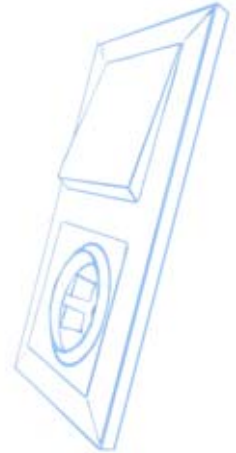
■ Conventional design

■ The Siemens switch and socket outlet range

■ Compared to the conventionally designed switches and socket outlets of other manufacturers, Siemens offers the flattest switches to date



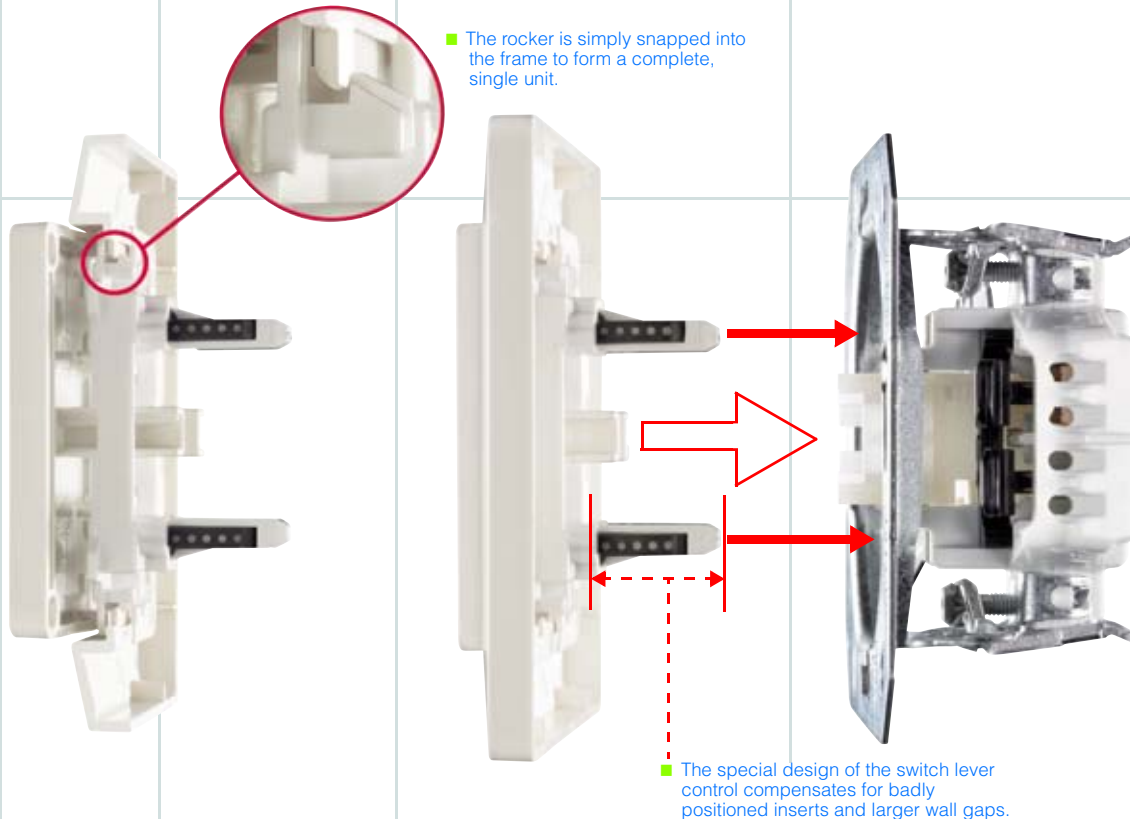
■ The material is the key:
For fast assembly of the components you need to be able to rely on the high quality of the material. Parts made of duroplastic are inclined to break when dropped or secured too tightly. Furthermore, duroplastic surfaces have an uneven appearance and look cheap - which is why all our plastic design parts are made of thermoplastic. They are also far less likely to break when subject to minor deformations. The shiny thermoplastic surfaces are also easy to clean and offer outstanding protection against yellowing and soiling.



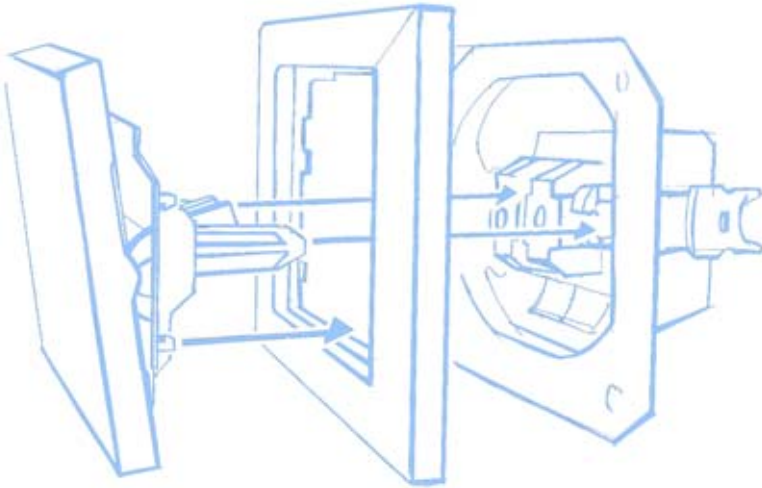
Simple and Safe to Install – Even under Difficult Conditions

Wherever inserts need to be mounted, you are in demand. And you are more than familiar with the usual problems: Insufficient depth of the flush-mounting enclosure means that switch inserts may be plastered or wall-papered over - which can lead to malfunctions. Or the wall-mounting of the switch inserts is crooked. The result: rockers that grate – particularly in the case of multiple combinations. But now there's an end to all that: with our unique, well-designed and proven plug-in system between insert and rocker. High switching reliability as well as fast installation and removal is ensured - even if the insert is crooked and even under difficult installation conditions - thanks to the generous 3-mm flexibility of the flush-mounting. No need for subsequent adjustments on-site at the customer's. Which saves you a lot of time, money and hassle.

■ Unique, well-designed, proven plug-in system

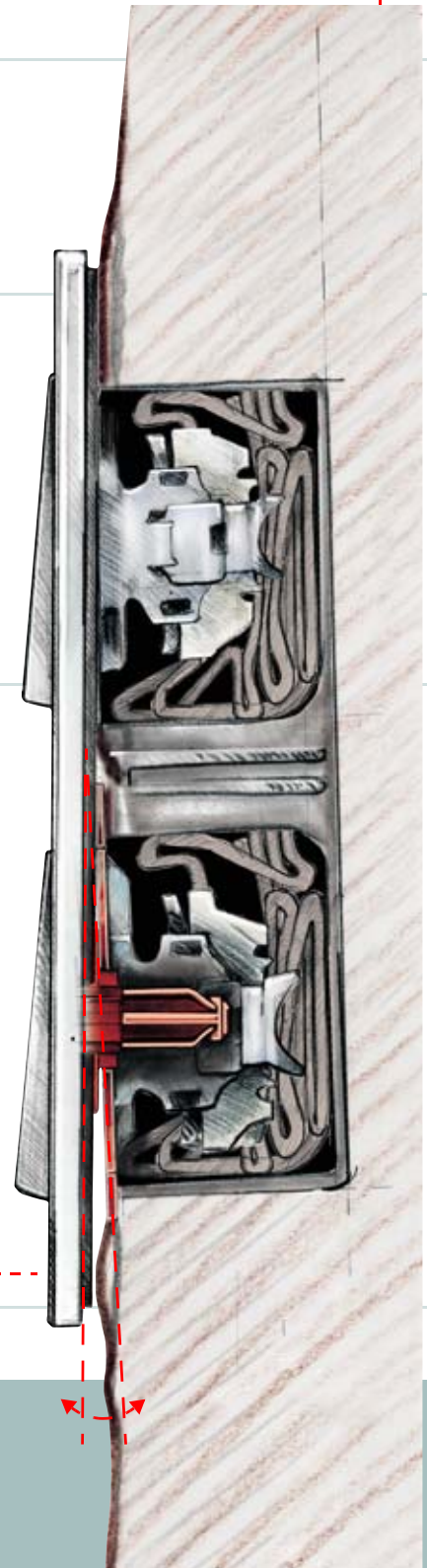


- The 3 mm flexible flush mounting ensures reliable functionality, even in the case of extremely unfavorable wall conditions



- Uniform shut lines – even if the inserts are not evenly fitted or in the case of uneven wall gaps.

- The play of the switch lever is sufficient to allow the plugged rocker with frame to fit snugly on the wall surface.



Maximize Time Saving during Installation

What do you expect of an insert? It goes without saying that you want inserts that are easy to mount. Our inserts are mounted securely on the wall in no time at all. They offer maximum convenience: the design of the insert base is ultra compact, which provides more space for connections.



- As anyone who mounts inserts knows: it's often difficult to free cables from their terminals. But not with Siemens: our accessible and ergonomically designed release lever makes it easy to release cables safely without risk of injury.



- All live parts are covered with insulating material for all-round touch protection – offering maximum protection, even if the upper design part is removed, e.g. when decorating.

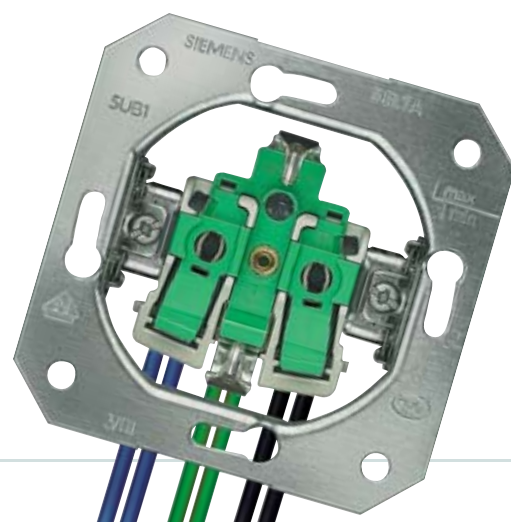
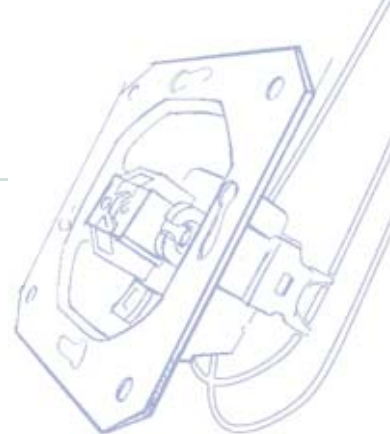


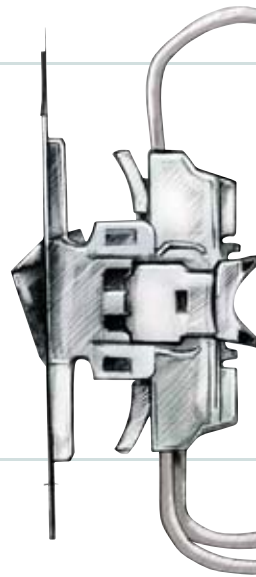
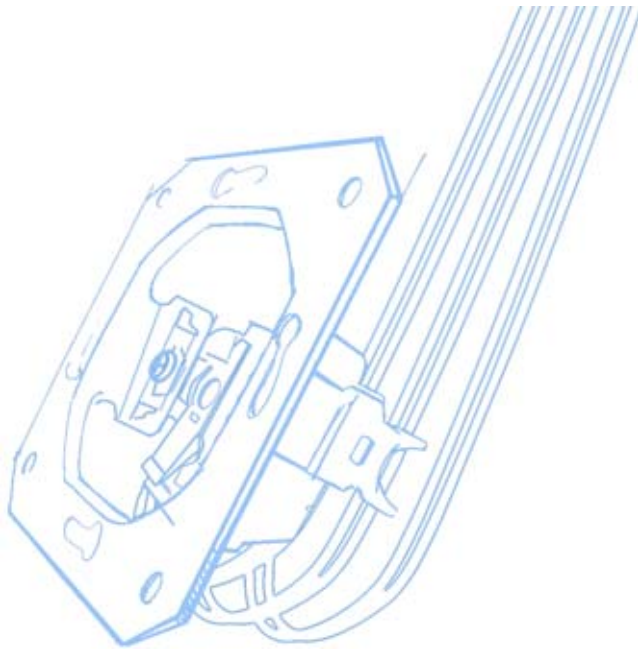
- Connecting conductors is quick and easy – just plug the solid conductors with a 1.5 mm² or 2.5 mm² cross-section into the funnel-shaped cable entries of the connecting terminals. Thanks to the uniform length of the insulation to be stripped on both switches and socket outlets there are no more tedious length adjustments required on the stripping tool.



- The cables are easily accessible for Duspole measurements, even when the glow lamps are plugged in.

- The double terminals are connecting terminals and are clearly arranged on one side, which makes connection quick and easy.

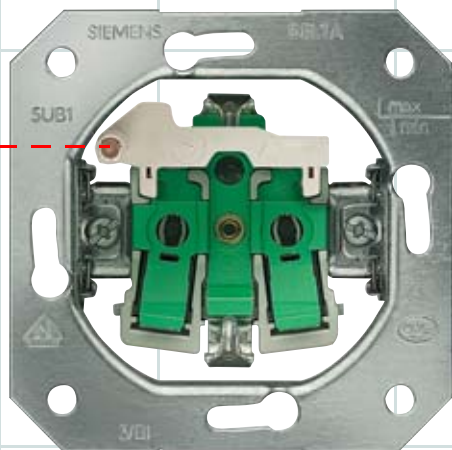
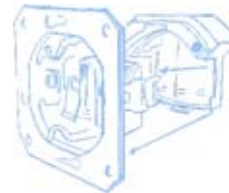




■ Put an end to lack of wiring space in the box: our compact inserts make space for all the cables you need.

Retrofitting and Replacement Made Easy

Regardless of whether you want to retrofit specific functions or replace components - it couldn't be easier with our modular design and plug-in technology.



■ Our socket outlets have a convenient modular design. This means: by mounting auxiliary modules, our inserts also support the implementation of overvoltage protection, status display and switchable socket outlets. It is possible to retrofit socket outlets that are already installed at any time.



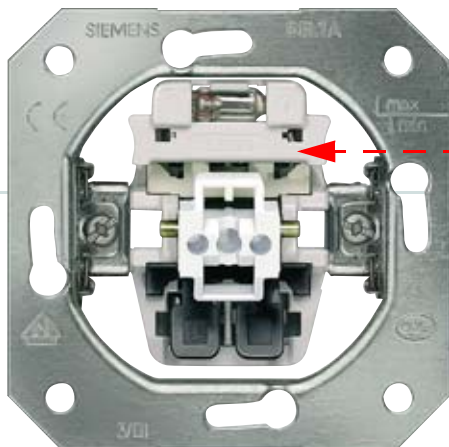
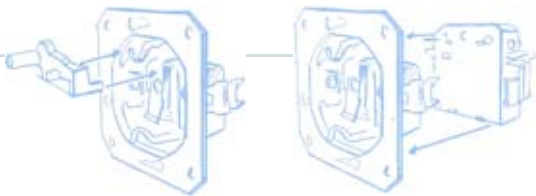
Spare glow lamp for
SCHUKO® socket outlets



EIB adapter for switchable
socket outlets



Overvoltage protection
module

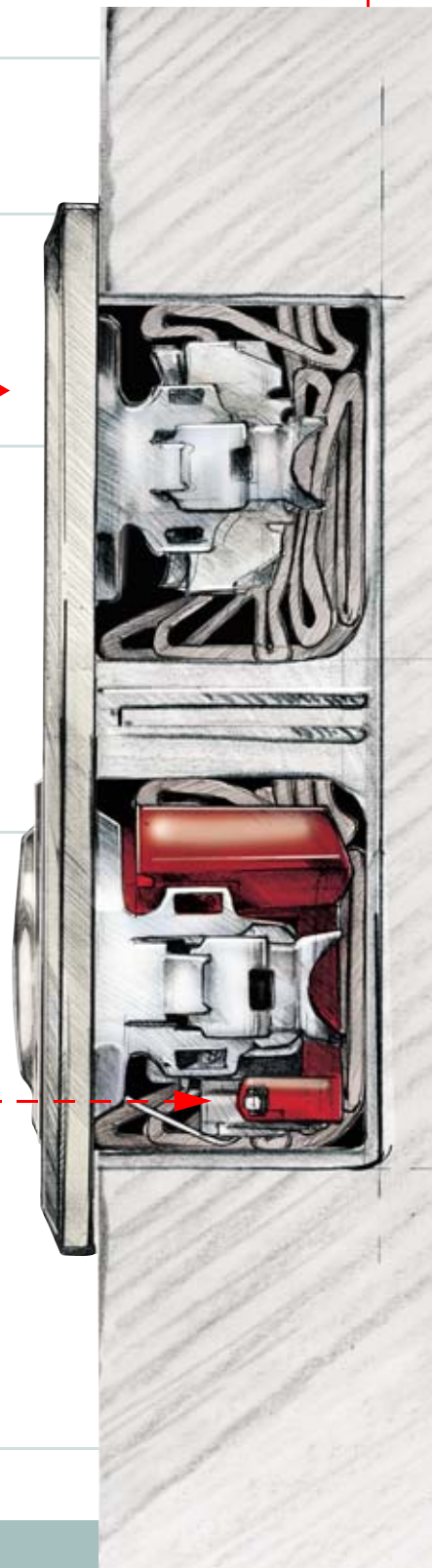


- Lighting elements can also be replaced without removing the insert: glow lamps and incandescent lamps are simply plugged in. They are inserted from the front and can also be replaced or retrofitted during runtime.

- A standard 40 mm device box suffices for **SCHUKO**® socket outlets with overvoltage protection. And because the double terminal remains free after the module is mounted, you can still loop the phase through.

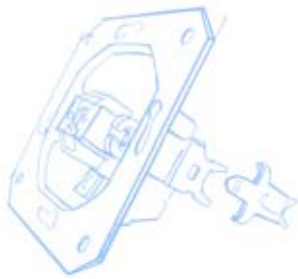
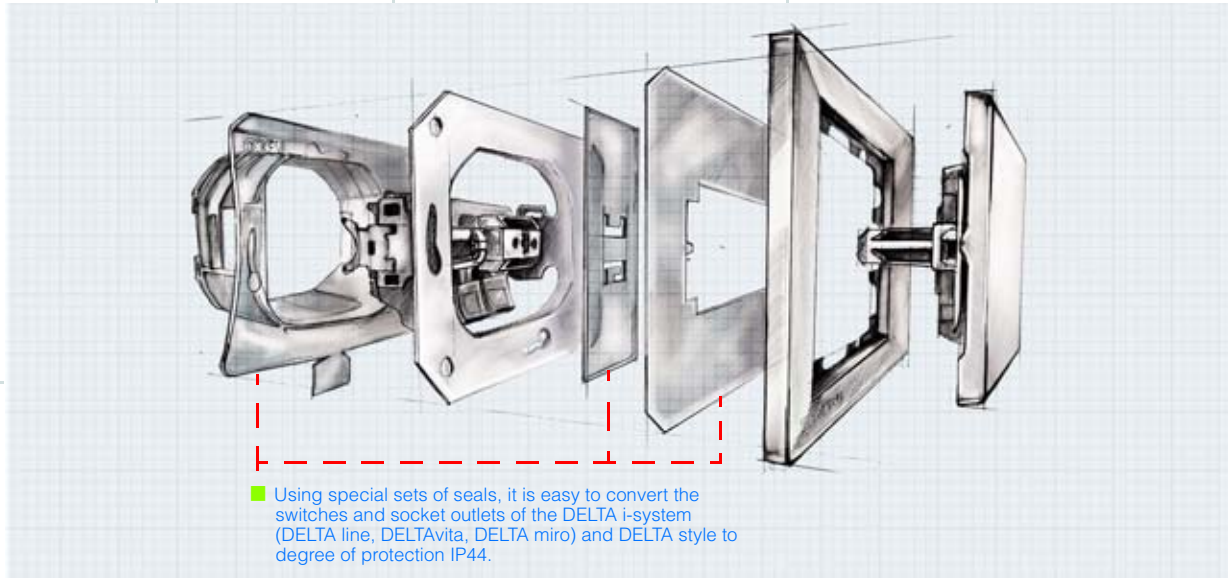


Mounted overvoltage protection module

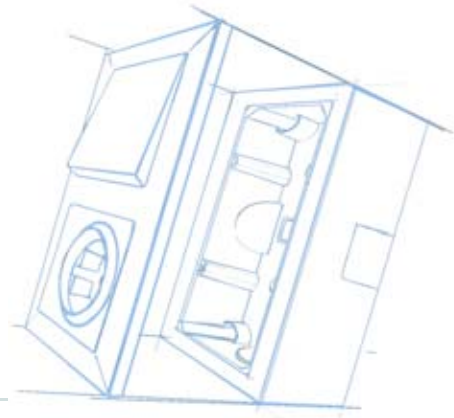


A Program for Every Application

With the DELTA i-system (DELTA line, DELTA vita, DELTA miro) and the DELTA style switch range - you can even achieve degree of protection IP44 without changing the frame trim. Whether for the bathroom, outdoors or the cellar - a single set of seals covers all applications. Furthermore, with our new surface-mounting enclosures, DELTA line can also be surface-mounted as a single-, double or triple model. In combination with IP44 - that is completely unique!



Surface-mounting enclosures with DELTA line and DELTA style switch/socket outlet combinations



Perfect Down to the Very Last Detail

- Whichever way you look at it: our inserts are perfect down to the very last detail.



- +/- claw screws ensure that there is no slipping of the screwdriver blade. The screw is screwed with metric thread into the metal. Minimum torques enable the secure fastening of the insert even when mounted manually using a screwdriver. It is virtually impossible to strip the thread.



- Stripping lengths with tolerance specifications are clearly labeled on the mounting bracket and the bottom of the base. This helps prevent faults caused if the strip length of the wire is too short. Thanks to the uniform strip length of 10 mm for all switch models, including (SCHUKO)® socket outlets, there are no more tedious length adjustments required on the stripping tool.

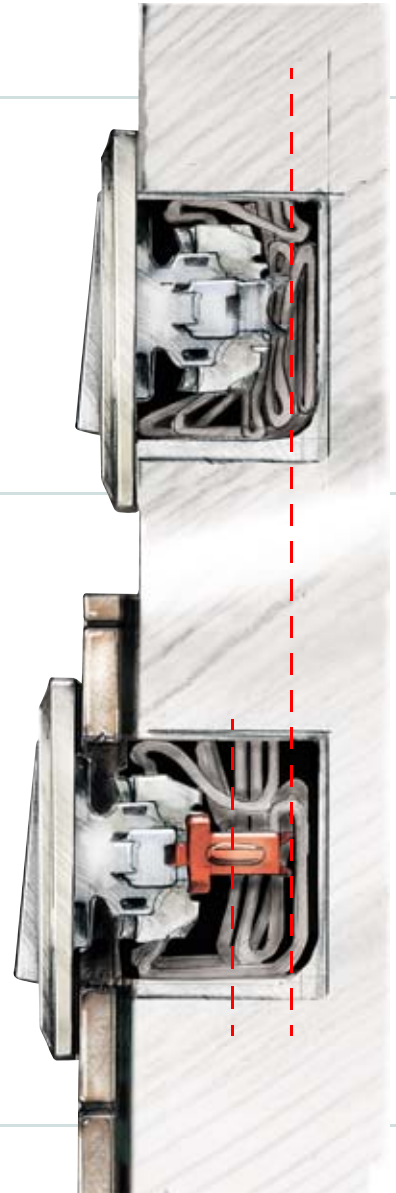


- You can instantly see how the insert is connected: the circuit diagram and item number on the back of the base with topographical wiring diagram preclude mounting errors due to incorrect connection.



- A rod spring ensures that the retracting claws are resistant to ageing and reversible – even when repeatedly dismantled and remounted.

- If using deeper device boxes, you can also retrofit our extension claws. These enable secure fastening even in the event of structural changes - for example if the area is subsequently tiled. What's more: the extension claws are mounted as is - no need to remove the normal claws first.



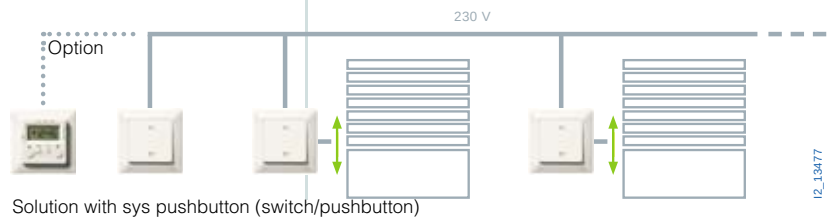
DELTA Shutter/Blind Control

Our shutter/blind control shows how easy it is to enhance home convenience and safety. We have now developed new applications that fulfill the wish for greater living comfort - whether for new buildings, or when retrofitting or renovating existing buildings. What's more: with the new functions, you will always have suitable solutions for your customers in the desired DELTA design - whether for local or centralized control or brightness or time-dependent control with sun sensor or time switch.



Shutter/blind control
Shutter/blind
sys pushbuttons

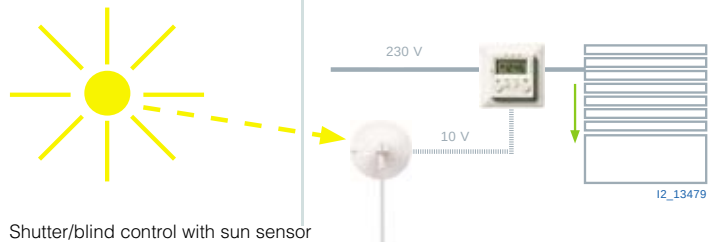
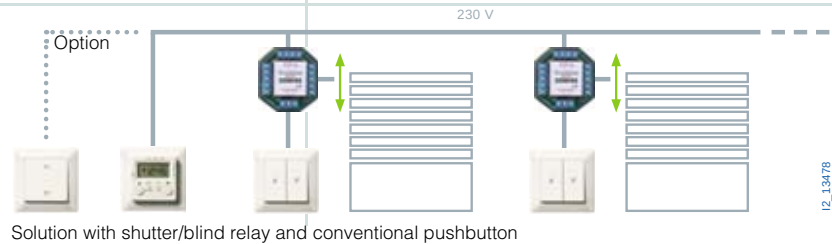
■ Group and centralized control of shutters/blinds



Comfort shutter/
blind control

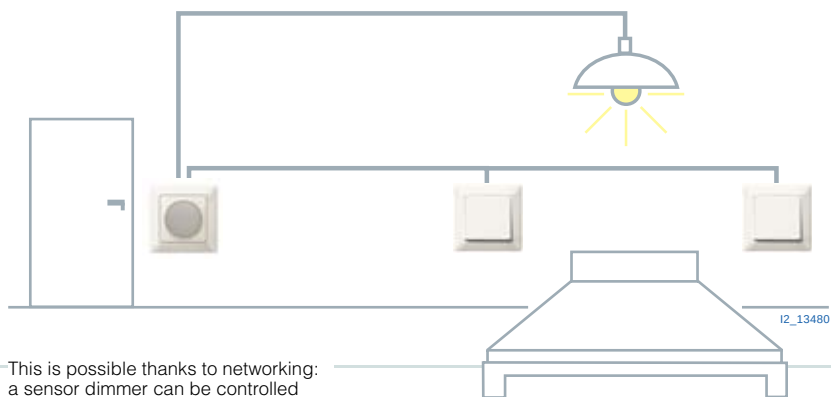


Shutter/blind control
Flush-mounting isolating
relays, compact



DELTA Dimmers

Dimmers create atmosphere. Whether subdued lighting for a stylish evening meal or a work light switched to suit ambient conditions: it is the ability to adapt lighting quickly and easily that make dimmers such an attractive option. The new DELTA product range covers devices that control all types of conventional lamps. This includes incandescent lamps, high-voltage halogen lamps, fluorescent lamps and low-voltage halogen lamps with magnetic or electronic transformers.



This is possible thanks to networking: a sensor dimmer can be controlled from a number of conventional pushbuttons



Rotary dimmers



Universal dimmers



Sensor dimmers

Rotary dimmers

Simply turn the dimmer to set the required brightness - pressing it turns the light on or off. Rotary dimmers can also be mounted in cross and two-way switches.

Universal dimmers

The universal dimmers can be used for many kinds of lamp loads: incandescent lamps, high-voltage halogen lamps and low-voltage halogen lamps with magnetic or electronic transformer. The touch dimmers are particularly user-friendly. Switching them on and off is as simple as using a normal light switch. They can also be dimmed up or down to the required brightness. The memory function enables a specific dimming value to be stored, which is then automatically switched to when the dimmer is activated. A universal dimmer can also be switched and dimmed from various points using conventional pushbuttons.

Sensor dimmers

With a single sensor dimmer and any number of other pushbuttons it is possible to dim the brightness of the connected lighting. If using sensor dimmers, it is enough to just lightly touch the operator interface. It is also possible to connect conventional pushbuttons for extension unit operation. These act identically to sensor dimmers within the operating system.

DELTA Motion Detectors

Light, whenever it's needed - particularly if entering a dark passage area. The use of motion detectors is particularly recommended for the automatic switching of lights in corridors, garages, cellars or toilets.



Motion detector tops



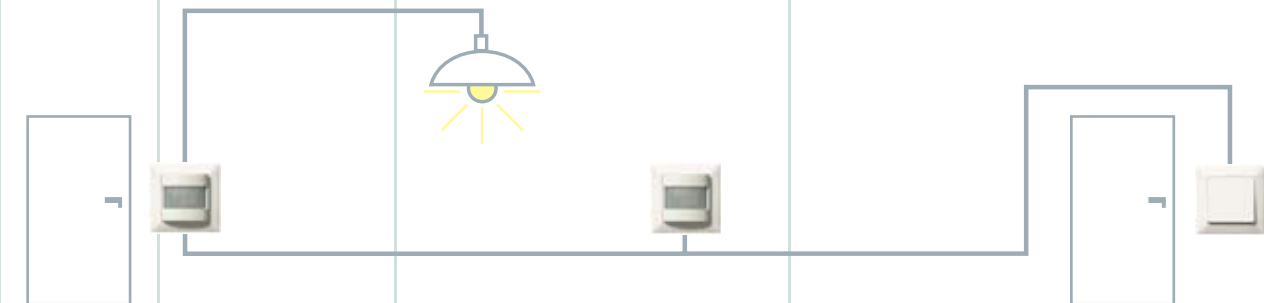
Comfort motion detector tops

Comfort is standard - for both versions

Those who opt for the standard version, receive a permanently set delay time of 2 minutes, as well as the option to set the brightness value and sensitivity.

The Comfort version also offers additional functions

- Adjustable delay time from 10 seconds to 30 minutes
- Option for controlling a bell in the door and entrance area
- "Teach function": By selectively covering by hand, it is possible to store the current brightness value as a switching value
- The operator can select between the operating modes "Continuous ON", "Continuous OFF" or "Automatic" at any time



Should the large sensing range of a motion detector prove to be insufficient, you can expand it using extension units.

I2_13481

Graphics in the switch design of DELTA line, titanium white

DELTA Room Temperature Controller

A room temperature controller brings greater comfort and warmth into your home
- naturally in a suitable design of your DELTA range.



Room temperature controller, NC/CO contact



Room temperature controllers, 3-position switch

Room temperature controller, NC/CO contact

- For electric and warm water convectors, pumps and tank control.
- For heating and cooling control

Room temperature controller, 3-position switch

- For electric and warm water convectors, pumps and tank control.
- Automatic timing through external time signal, constant comfort temperature or nighttime reduction through override of the time signal



Room temperature controllers, direct floor heating

Room temperature controller, direct floor heating

- For controlling floor storage heating and electric floor heating with heat mats
- The basic controller type comprises two parts: control device (for setting the required floor temperature) and remote sensor (in the floor for monitoring the set temperature)



GAMMA *instabus* – Available in All DELTA Ranges

Siemens building management systems with GAMMA *instabus* can be used in conjunction with all DELTA switch and socket outlet ranges. A selection shows you the following overview.

DELTA profil



Pushbutton, single,
titanium white

DELTA style



Pushbutton, single,
titanium white

DELTA style



Room temperature
controllers

DELTA ambiente



Pushbutton, quadruple,
arctic white

DELTA i-system: DELTA line, DELTA vita, DELTA miro



DELTA line
Pushbutton, single,
aluminum metallic



DELTA vita
Pushbutton, single,
titanium white



DELTA miro glass
Pushbutton, single,
titanium white



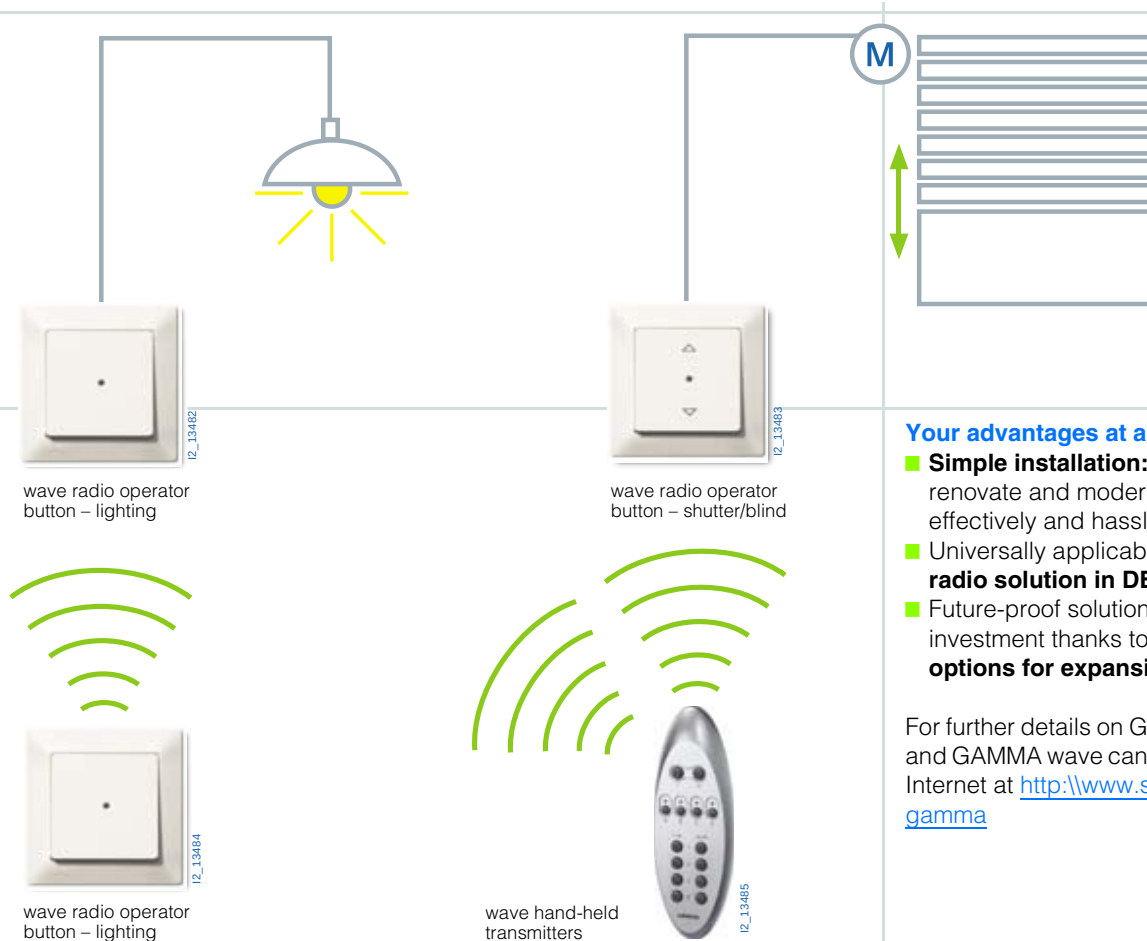
DELTA miro wood
Pushbutton, single, maple /
titanium white



DELTA miro color
Pushbutton, single,
titanium white

GAMMA wave – the Multifunctional Radio System™

Enjoy all the advantages of a modern building management system without the need for additional cable installation – the GAMMA wave radio system makes it possible. No extra wiring required for sensors and actuators. This makes radio transmission particularly suitable for all kinds of retrofitting. And all complete with absolutely fail-safe and problem-free transmission. How you benefit: GAMMA wave is a unique bi-directional radio system – this means that the products and components can be both transmitter and receiver.



Your advantages at a glance:

- **Simple installation:** refurbish, renovate and modernize - cost-effectively and hassle-free
- Universally applicable: **suitable radio solution in DELTA design**
- Future-proof solution: safe investment thanks to **flexible options for expansion**

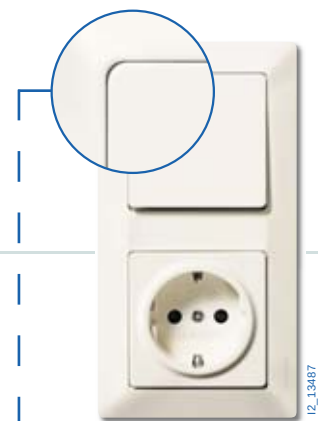
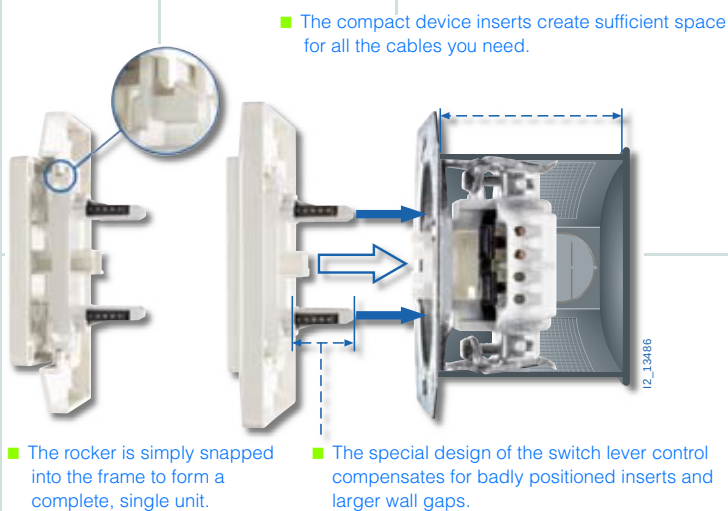
For further details on GAMMA *instabus* and GAMMA wave can be found on the Internet at <http://www.siemens.com/gamma>

Graphics in the switch design of DELTA line, titanium white

Perfect Design - Even under Difficult Installation Conditions

All DELTA switches and socket outlets can be replaced in seconds - completely without tools. The switch insert stays where it belongs: in the wall. Because all DELTA switch and socket outlet covers fit all Siemens' inserts - as long as they are post 1973 models. Thanks to this unique plug-in system, the inserts always fit perfectly - and result in the flattest switch currently on the market.

■ Unique, well-designed, proven plug-in system

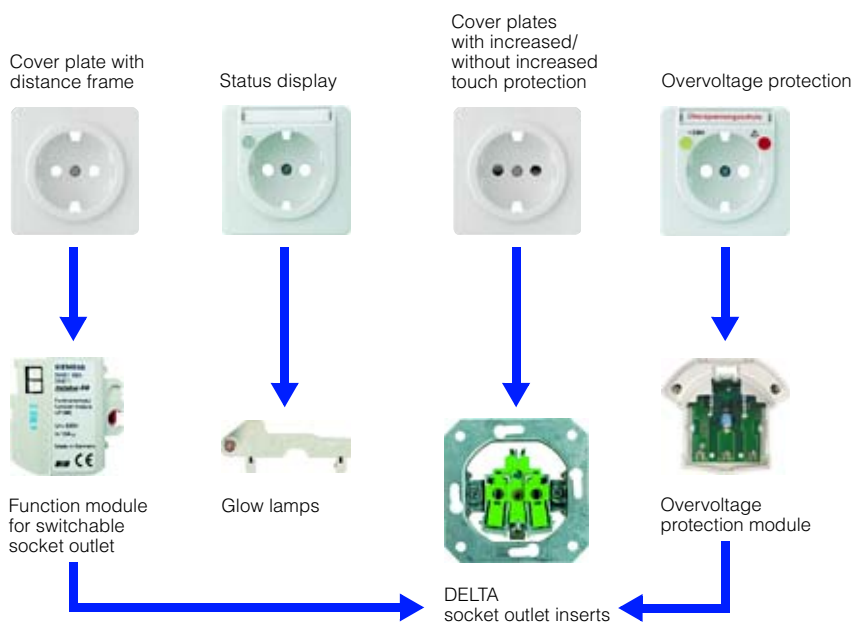


- Uniform shut lines – even if the inserts are not evenly fitted or in the case of uneven wall gaps.

Modular Plug-in Concept



- The modules for status display and overvoltage protection for **DELTA socket outlets are also plug-in modules**, so that no extra wiring is required.



DELTA socket outlets are available in the following versions:

- With increased protection against contact
- With hinged lid
- With retrofittable splash protection IP44 (DELTA line, DELTA vita, DELTA miro, DELTA profil)
- With status display
- With overvoltage protection
- With GAMMA *instabus* function module for switchable socket outlets

DELTA reflex Smoke Detectors

Siemens provides smoke detectors with longer battery life. The DELTA reflex smoke detector battery supports the networking of up to 40 smoke detectors. Optionally available as radio module. Then an alarm is relayed to a central display through KNX / EIB. Other options: the DELTA reflex smoke detector battery with relay module. This enables the control of further alarm sensors, such as horns or flashing lights - for the highest degree of safety.



DELTA reflex smoke detector battery
titanium white



DELTA reflex smoke detector battery
also available in aluminum metallic
and tobacco



DELTA reflex SD230N smoke detector
titanium white



DELTA reflex SD9 smoke detector
titanium white

DELTA reflex smoke detector battery

- Cost-effective operation with a min. 5 years battery life and the use of good-value standard mignon batteries
- VDS-certified quality smoke detectors
- Attractive design
- Range of expansion options with:
 - Relay module for the control of external alarm sensors, such as horns and flashing lights, and connection of the GAMMA *instabus*
 - Radio module for the routing of alarm messages to a central display (Touch Manager wave)
- Battery change display for approx. 30 days
- Available in titanium white, aluminum metallic and tobacco



- In combination with the radio module, alarms can be routed to GAMMA wave or over the **wave / instabus UP140 coupler** to the hard-wired GAMMA *instabus*



- In combination with the **relay module**, further alarm sensors, such as horns or flashing lights,



- **Can be networked** with up to 40 additional smoke detectors

DELTA reflex SD230N smoke detectors

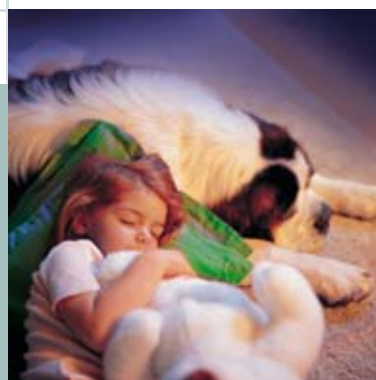
- Can be networked with up to 38 additional smoke detectors
- VdS-approved quality smoke detectors to the latest DIN EN 14604 standard
- Modern design
- Extremely UV-resistant material

- Fast and simple mounting
- Battery change display for approx. 30 days
- Battery compartment check
- 230-V-powered, incl. 9 V backup battery

DELTA reflex SD9 smoke detector

- VdS-approved quality smoke detectors to the latest DIN EN 14604 standard
- Modern design
- Extremely UV-resistant material

- Fast and simple mounting
- Battery change display
- Test pushbutton for function test
- 9 V battery included in delivery



DELTA reflex Motion Detectors IP55

Easy and quick mounting
through plug-in terminals



A key feature of the new DELTA reflex motion detector IP55 is its particularly attractive design. Fast and easy to install over plug-in terminals in the mounting base. The simple and convenient commissioning of the motion detector is automatic or over two pushbuttons on the device.

The DELTA reflex motion detector IP55 is available for two different sensing ranges: 120° and 290°. The 290° version is also available including remote control.

Advantages

- Simple mounting over plug-in terminals
- Automatic test mode after initial application of voltage
- Preset standard mode with two minutes delay time and 7 lux brightness value
- Fast commissioning over two pushbuttons
- Flexible application: wall, ceiling or corner installation
- Attractive price-performance ratio
- Attractive design
- Available in the colors titanium white and anthracite
- Additional functions over remote control with the 290° IR version



DELTA Switch Manager

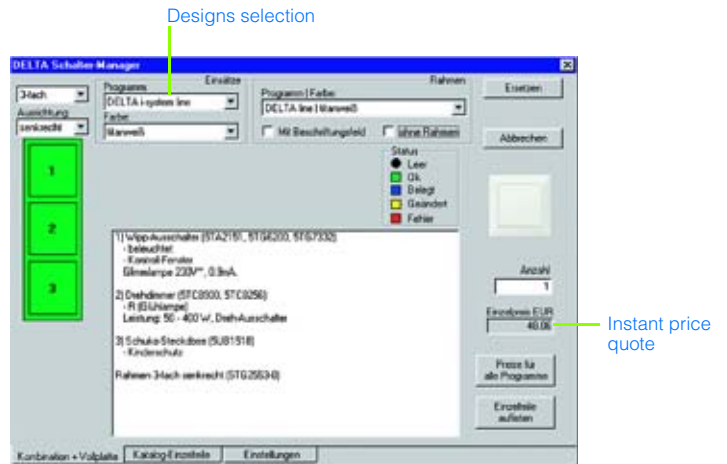
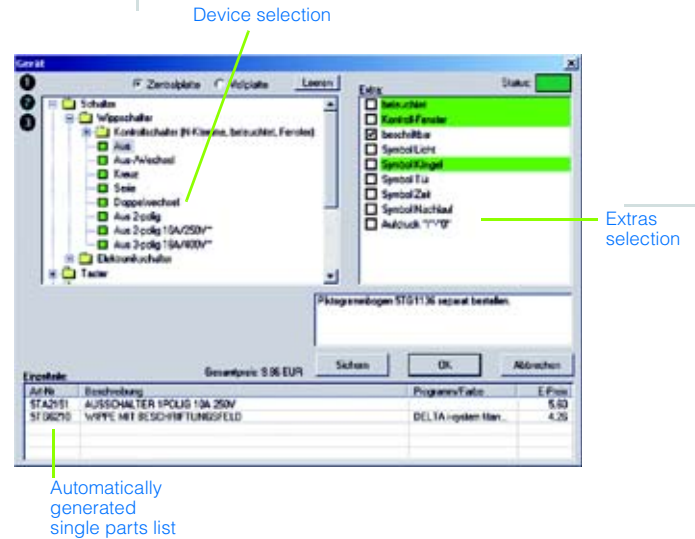
Fast and simple calculation aid

DELTA Switch Manager is a free software for calculating switch and socket outlet components. It offers quick and precise calculation of the costs for all the switch components required to completely equip a building. So you can obtain a hassle-free quote.

Using a standard operator interface, switch / socket outlet combinations are quick and easy to assemble. Just a touch of a button is all it takes to change the combination in each range/ colour version - with automatic determination of the individual parts required. Instant output of the price of each combination.

DELTA switch manager is a simple aid that helps lighten the load of all electricians.

<http://www.siemens.de/schaltermanger>



1/6	Introduction
1/7	Switches and pushbuttons
1/13	Shutter/blind controls
1/19	Socket outlets
1/25	International plug-and-socket devices
1/26	Lighting controls
1/29	Motion detectors
1/31	Room temperature controllers
1/32	GAMMA <i>instabus</i>
1/35	Communication
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1/39	Equipotential bonding
1/39	Module carriers for DELTA line, DELTA vita and DELTA miro
1/40	School programs
1/41	Accessories and spare parts

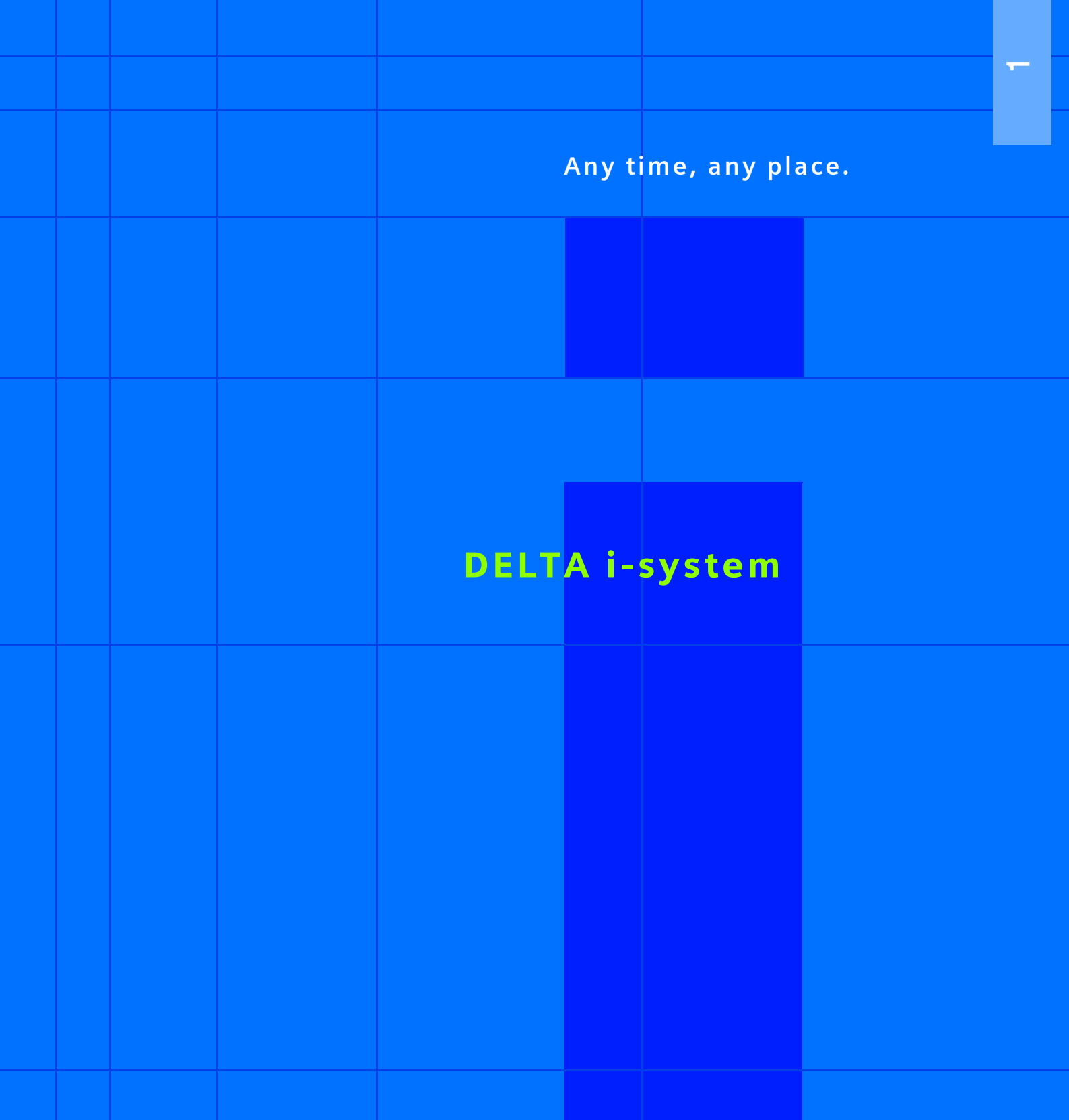


A woman with blonde hair, wearing a white button-down shirt and dark trousers, is sitting on a white leather sofa. She is looking towards the camera with a slight smile. In front of her is a low, black metal coffee table with a glass top. On the table are several colorful fabric swatches, a small stack of books or magazines, and a small electronic device. To the left of the sofa, there is a tall, slender vase containing a branch with pink tulips. The background shows a modern interior with light-colored walls, a large mirror, and a doorway leading to another room. The overall atmosphere is clean, bright, and contemporary.

The freedom to decide.

Maximum flexibility: anything goes - with the DELTA i-system. The DELTA i-system offers you a neutral, design-independent component pool with a broad range of functions. How you benefit: the functional modules can be installed in a whole

spectrum of DELTA frame kits from the DELTA line, DELTA vita and DELTA miro ranges. So changing the shape, style and color really couldn't be any easier.



Any time, any place.

DELTA i-system

And you'll be saving too. For example, due to reduced logistics - because you only need to stock one range of components. Not to mention the extreme flexibility of the system - because you don't have to decide in advance which design range you want to use. You have all options open.

A key feature of the DELTA i-system is the use of 55-mm components, four colors (titanium white, electrical white, aluminum metallic and carbon metallic) and a set of seals for IP44.

DELTA i-system

Frames in DELTA line design



Titanium white



Electrical white



Aluminum metallic



Frames and color elements in DELTA vita design



Titanium white / red /
titanium white



Aluminum metallic / green /
aluminum metallic



Carbon metallic / chrome /
carbon metallic

Frames in DELTA miro design



DELTA miro glass/
titanium white



DELTA miro wood/
aluminum metallic



DELTA miro color/
titanium white



Carbon metallic

Components of the DELTA i-system product range:

- Operator interfaces (switches/ pushbutton rockers) in numerous versions
 - Screw-on operator interfaces
 - **SCHUKO** socket outlets in various versions
 - Set of seals for rockers and socket outlets provide degree of protection IP44
- Numerous functions for:
 - Communication
 - Data and voice networks
 - Shutter/blind control, also with remote control (GAMMA wave)
 - Time switches
 - Room temperature control
 - Dimmer control, also with remote control (GAMMA wave)
 - Motion detection
 - Connection to GAMMA *instabus*



Gold / gold / titanium white



Color elements

Platinum / chrome / gold / dark red / dark blue / green / red / blue / orange / yellow / titanium white

Introduction

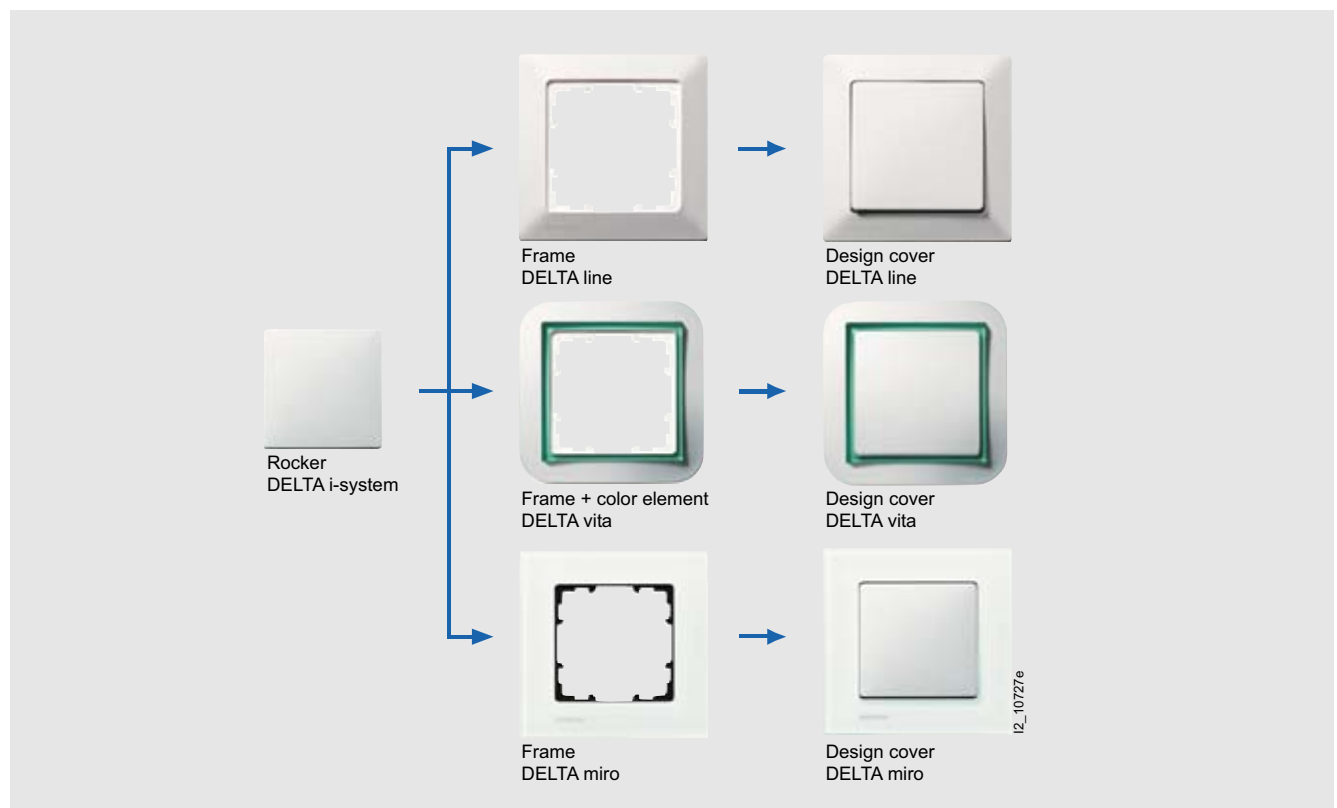
Overview

Using the DELTA i-system product range

All components of the DELTA i-system product range can be combined with

- the frames of the DELTA line product range,
- the frames and color elements of the DELTA vita product range and
- the frames of the DELTA miro product range.

Modular components of DELTA i-system with DELTA line, DELTA vita and DELTA miro



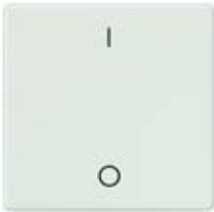
Selection and ordering data

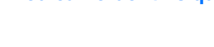
Version	Order No.	Price	PG	PS* / P. unit
		1 unit		Unit(s)
General information - Size of rockers: 55 mm x 55 mm - Degree of protection IP20				
Note The color aluminum metallic is identical to silver (DELTA profil) The color carbon metallic is identical to anthracite (DELTA profil)				
Note	Section	Page		
For extension claws, see ...	<i>Functions / Switching/Push-button Control/Dimming/Accessories and spare parts</i>	12/17		
All rockers shown here can be combined with the frames of the DELTA line product range, see ...	<i>Design / DELTA line</i>	2/8		
All rockers shown here can be combined with the frames and color elements of the DELTA vita product range, see ...	<i>Design / DELTA vita</i>	3/9		
All rockers shown here can be combined with the frames of the DELTA miro product range, see ...	<i>Design / DELTA miro</i>	4/8		
Degree of protection IP44 for rockers can be achieved with the 5TG4 324 IP44 set of seals, for rockers, see ...	<i>Accessories and spare parts</i>	1/44	5TG4 324	1 set
			021	1 set/ 10 sets
Rockers, neutral - Titanium white (similar to RAL 9010) - Electrical white (RAL 1013) - Aluminum metallic (similar to RAL 9006) - Carbon metallic (similar to RAL 7016)				
Inserts				
<i>Universal switches</i>	<i>Functions / Switching/Push-button Control/Dimming</i>	12/2	5TG6 201	021 1/10
<i>Intermediate switches</i>	<i>dto.</i>	12/3	5TG6 271	021 1/10
<i>ON/OFF switches, 1-pole</i>	<i>dto.</i>	12/3	5TG6 241	021 1/10
<i>Pushbuttons, 1 NO contact</i>	<i>dto.</i>	12/7	5TG6 221	021 1/10
<i>Pushbuttons, 1 CO contact</i>	<i>dto.</i>	12/8	5TA2 156	021 1/10
<i>DELTA UP 116 bus coupling units, center position, single</i>	<i>Functions / GAMMA Building Controls</i>	19/2	5TA2 117	021 1/10
<i>DELTA UP 116 bus coupling unit, pushbutton position, single</i>	<i>dto.</i>	19/2	5TA2 151	021 1/10
			5TD2 120	021 1/10
			5TD2 123	021 1/10
			5WG1 116-2AB01	030 1
			5WG1 116-2AB21	030 1
Rockers with window - Titanium white (similar to RAL 9010) - Electrical white (RAL 1013) - Aluminum metallic (similar to RAL 9006) - Carbon metallic (similar to RAL 7016)				
Inserts				
<i>Switches with pilot lamp, ON/OFF switching</i>	<i>Functions / Switching/Push-button Control/Dimming</i>	12/5	5TG6 200	021 1/10
<i>Switches with pilot lamp, two-way switching</i>	<i>dto.</i>	12/5	5TG6 270	021 1/10
<i>Pushbuttons, 1 NO contact, with separate neutral terminal</i>	<i>dto.</i>	12/8	5TG6 240	021 1/10
<i>Pushbuttons, 1 CO contact, with separate neutral terminal</i>	<i>dto.</i>	12/9	5TG6 220	021 1/10
<i>Pushbuttons, separate check-back indication</i>	<i>dto.</i>	12/9	5TA2 150	021 1/10
<i>Universal switches</i>	<i>dto.</i>	12/2	5TA2 108	021 1/10
<i>Intermediate switches</i>	<i>dto.</i>	12/3	5TD2 116	021 1/10
<i>ON/OFF switches, 1-pole</i>	<i>dto.</i>	12/3	5TD2 117	021 1/10
<i>Pushbuttons, 1 NO contact</i>	<i>dto.</i>	12/7	5TD2 114	021 1/10
<i>Pushbuttons, 1 CO contact</i>	<i>dto.</i>	12/8	5TA2 156	021 1/10
<i>DELTA UP 116 bus coupling units, center position, single</i>	<i>Functions / GAMMA Building Controls</i>	19/2	5TA2 117	021 1/10
<i>DELTA UP 116 bus coupling unit, pushbutton position, single</i>	<i>dto.</i>	19/2	5TA2 151	021 1/10
			5TD2 120	021 1/10
			5TD2 123	021 1/10
			5WG1 116-2AB01	030 1
			5WG1 116-2AB21	030 1

5TG6 201

5TG6 200

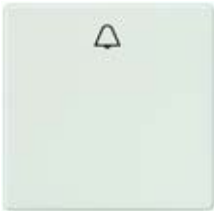
Switches and pushbuttons

Version	Order No.	Price	PG	PS*/ P. unit
		1 unit		Unit(s)
 5TG6 211	Rockers with labeling field and window			
	• Titanium white (similar to RAL 9010)	5TG6 211	021	1/10
	• Electrical white (RAL 1013)	5TG6 281	021	1/10
	• Aluminum metallic (similar to RAL 9006)	5TG6 251	021	1/10
	• Carbon metallic (similar to RAL 7016)	5TG6 231	021	1/10
	Inserts	Section	Page	
	Switches with pilot lamp, ON/OFF switching	Functions / Switching/ Pushbutton Control/ Dimming	12/5	5TA2 150
	Switches with pilot lamp, for two-way switching	dto.	12/5	5TA2 108
	Universal switches	dto.	12/2	5TA2 156
	Intermediate switches	dto.	12/3	5TA2 117
	ON/OFF switches, 1-pole	dto.	12/3	5TA2 151
	Pushbuttons, 1 NO contact	dto.	12/7	5TD2 120
	DELTA UP 116 bus coupling units, center position, single	Functions / GAMMA Building Controls	19/2	5WG1 116-2AB01
	DELTA UP 116 bus coupling units, pushbutton position, single	dto.	19/2	5WG1 116-2AB21
	Note	Section	Page	
 5TG1 138	5TA2 150 switch with pilot lamp, for ON/OFF switching can be used as heating emergency switch. The required 5TG1 138 labeling field insert "Heating Emergency Switch" must be ordered separately, see ...	Accessories and spare parts	1/41	5TG1 138
	Note			
	Our free labeling tool can help you create individual labels. Download at: http://www.siemens.de/beschriftungstool			
 5TG6 202	Rockers with I/O symbols			
	• Titanium white (similar to RAL 9010)	5TG6 202	021	1/10
	• Electrical white (RAL 1013)	5TG6 272	021	1/10
	• Aluminum metallic (similar to RAL 9006)	5TG6 242	021	1/10
	• Carbon metallic (similar to RAL 7016)	5TG6 222	021	1/10
	Inserts	Section	Page	
	ON/OFF switches, 2-pole, 10 A	Functions / Switching/ Pushbutton Control/ Dimming	12/4	5TA2 112
	ON/OFF switches, 2-pole, 16 A	dto.	12/4	5TA2 162
	ON/OFF switches, 3-pole, 16 A	dto.	12/4	5TA2 153
	DELTA UP 116 bus coupling units, center position, single	Functions / GAMMA Building Controls	19/2	5WG1 116-2AB01
 5TG6 218	Rockers with "Delay" symbol and window			
	• Titanium white (similar to RAL 9010)	5TG6 218	021	1/10
	• Electrical white (RAL 1013)	5TG6 288	021	1/10
	• Aluminum metallic (similar to RAL 9006)	5TG6 258	021	1/10
	• Carbon metallic (similar to RAL 7016)	5TG6 238	021	1/10
	Inserts	Section	Page	
	Delay timers	Functions / Switching/ Pushbutton Control/ Dimming	12/6	5TT1 210
	DELTA UP 116 bus coupling units, pushbutton position, single	Functions / GAMMA Building Controls	19/2	5WG1 116-2AB21

Version	Order No.	Price	PG	PS*/ P. unit
		1 unit		Unit(s)
 5TG6 216	Rockers with "Time" symbol and window			
	• Titanium white (similar to RAL 9010)	5TG6 216	021	1/10
	• Electrical white (RAL 1013)	5TG6 286	021	1/10
	• Aluminum metallic (similar to RAL 9006)	5TG6 256	021	1/10
	• Carbon metallic (similar to RAL 7016)	5TG6 236	021	1/10
	Inserts	Section	Page	
 5TG6 205	Timers	Functions / Switching/Push-button Control/Dimming	12/6	5TT1 200
	DELTA UP 116 bus coupling units, pushbutton position, single	Functions / GAMMA Building Controls	19/2	5WG1 116-2AB21
	Rockers, double, neutral			
	• Titanium white (similar to RAL 9010)	5TG6 205	021	1/10
	• Electrical white (RAL 1013)	5TG6 275	021	1/10
	• Aluminum metallic (similar to RAL 9006)	5TG6 245	021	1/10
 5TG6 204	• Carbon metallic (similar to RAL 7016)	5TG6 225	021	1/10
	Inserts	Section	Page	
	Double two-way switches	Functions / Switching/Push-button Control/Dimming	12/6	5TA2 118
	Two-circuit switches	dto.	12/7	5TA2 155
	Pushbuttons, double, 1 NO, 1 CO contact	dto.	12/9	5TD2 115
	Pushbuttons, double, 2 NO contacts	dto.	12/10	5TD2 111
 5TG6 212	DELTA UP 116 bus coupling units, center position, double	Functions / GAMMA Building Controls	19/2	5WG1 116-2AB11
	DELTA UP 116 bus coupling units, pushbutton position, double	dto.	19/2	5WG1 116-2AB31
	Rockers, double, with window			
	• Titanium white (similar to RAL 9010)	5TG6 204	021	1/10
	• Electrical white (RAL 1013)	5TG6 274	021	1/10
	• Aluminum metallic (similar to RAL 9006)	5TG6 244	021	1/10
 5TG6 212	• Carbon metallic (similar to RAL 7016)	5TG6 224	021	1/10
	Inserts	Section	Page	
	Two-circuit switches	Functions / Switching/Push-button Control/Dimming	12/7	5TA2 155
	Pushbuttons, double, 2 NO contacts	dto.	12/10	5TD2 111
	DELTA UP 116 bus coupling units, center position, double	Functions / GAMMA Building Controls	19/2	5WG1 116-2AB11
	DELTA UP 116 bus coupling units, pushbutton position, double	dto.	19/2	5WG1 116-2AB31
 5TG6 212	Rockers, double, with labeling field			
	• Titanium white (similar to RAL 9010)	5TG6 212	021	1/10
	• Electrical white (RAL 1013)	5TG6 282	021	1/10
	• Aluminum metallic (similar to RAL 9006)	5TG6 252	021	1/10
	• Carbon metallic (similar to RAL 7016)	5TG6 232	021	1/10
	Inserts	Section	Page	
 5TG6 212	Double two-way switches	Functions / Switching/Push-button Control/Dimming	12/6	5TA2 118
	Two-circuit switches	dto.	12/7	5TA2 155
	Pushbuttons, double, 1 NO, 1 CO contact	dto.	12/9	5TD2 115
	Pushbuttons, double, 2 NO contacts	dto.	12/10	5TD2 111
	DELTA UP 116 bus coupling units, center position, double	Functions / GAMMA Building Controls	19/2	5WG1 116-2AB11
	DELTA UP 116 bus coupling units, pushbutton position, double	dto.	19/2	5WG1 116-2AB31
 5TG6 212	Note	Section	Page	
	5TG1 137 sheet of pictographs, for double rocker with labeling field must be ordered separately, see ...	Accessories and spare parts	1/43	5TG1 137
	Note			
	Our free labeling tool can help you create individual labels. Download at: http://www.siemens.de/beschriftungstool			

Switches and pushbuttons

Version		Order No.	Price	PG	PS*/ P. unit
			1 unit		Unit(s)
	Rockers, double, with labeling field and window				
	• Titanium white (similar to RAL 9010)	5TG6 213		021	1/10
	• Electrical white (RAL 1013)	5TG6 283		021	1/10
	• Aluminum metallic (similar to RAL 9006)	5TG6 253		021	1/10
	• Carbon metallic (similar to RAL 7016)	5TG6 233		021	1/10
	Inserts	Section	Page		
	<i>Two-circuit switches</i>	<i>Functions / Switching/ Pushbutton Control/Dimming</i>	12/7	5TA2 155	021 1/10
	<i>DELTA UP 116 bus coupling units, center position, double</i>	<i>Functions / GAMMA Building Controls</i>	19/2	5WG1 116-2AB11	030 1
	<i>DELTA UP 116 bus coupling units, pushbutton position, double</i>	<i>dto.</i>	19/2	5WG1 116-2AB31	030 1
	Note	Section	Page		
	<i>5TG1 137 sheet of pictographs, for double rocker with labeling field must be ordered separately, see ...</i>		1/43	5TG1 137	021 1
	Note				
	Our free labeling tool can help you create individual labels. Download at: http://www.siemens.de/beschriftungstool				
	Rockers with labeling field				
	• Titanium white (similar to RAL 9010)	5TG6 210		021	1/10
	• Electrical white (RAL 1013)	5TG6 280		021	1/10
	• Aluminum metallic (similar to RAL 9006)	5TG6 250		021	1/10
	• Carbon metallic (similar to RAL 7016)	5TG6 230		021	1/10
	Inserts	Section	Page		
	<i>Pushbuttons, 1 NO contact</i>	<i>Functions / Switching/ Pushbutton Control/Dimming</i>	12/7	5TD2 120	021 1/10
	<i>Universal switches</i>	<i>Functions / Switching/ Pushbutton Control/Dimming</i>	12/2	5TA2 156	021 1/10
	<i>Intermediate switches</i>	<i>dto.</i>	12/3	5TA2 117	021 1/10
	<i>ON/OFF switches, 1-pole</i>	<i>dto.</i>	12/3	5TA2 151	021 1/10
	<i>Pushbuttons, 1 CO contact</i>	<i>dto.</i>	12/8	5TD2 123	021 1/10
	<i>DELTA UP 116 bus coupling units, center position, single</i>	<i>Functions / GAMMA Building Controls</i>	19/2	5WG1 116-2AB01	030 1
	<i>DELTA UP 116 bus coupling units, pushbutton position, single</i>	<i>dto.</i>	19/2	5WG1 116-2AB21	030 1
	Note	Section	Page		
	<i>5TG1 136 sheet of pictographs, for single rocker with labeling field must be ordered separately, see ...</i>		1/43	5TG1 136	021 1
	Note				
	Our free labeling tool can help you create individual labels. Download at: http://www.siemens.de/beschriftungstool				

Version	Order No.	Price	PG	PS*/ P. unit
		1 unit		Unit(s)
 5TG6 206	Rockers with "Light" symbol and window			
	• Titanium white (similar to RAL 9010)	5TG6 206	021	1/10
	• Electrical white (RAL 1013)	5TG6 276	021	1/10
	• Aluminum metallic (similar to RAL 9006)	5TG6 246	021	1/10
	• Carbon metallic (similar to RAL 7016)	5TG6 226	021	1/10
	Inserts	Section	Page	
	Universal switches	Functions / Switching/Push-button Control/Dimming	12/2	5TA2 156
	Intermediate switches	dto.	12/3	5TA2 117
	ON/OFF switches, 1-pole	dto.	12/3	5TA2 151
	Pushbuttons, 1 NO contact	dto.	12/7	5TD2 120
	Switches with pilot lamp, ON/OFF switching	dto.	12/5	5TA2 150
	Switches with pilot lamp, for two-way switching	dto.	12/5	5TA2 108
	Pushbuttons, 1 NO contact, with separate neutral terminal	dto.	12/8	5TD2 116
	Pushbuttons, 1 CO contact, with separate neutral terminal	dto.	12/9	5TD2 117
	Pushbuttons, with separate check-back indication	dto.	12/9	5TD2 114
 5TG6 207	Rockers with "Bell" symbol			
	• Titanium white (similar to RAL 9010)	5TG6 207	021	1/10
	• Electrical white (RAL 1013)	5TG6 277	021	1/10
	• Aluminum metallic (similar to RAL 9006)	5TG6 247	021	1/10
	• Carbon metallic (similar to RAL 7016)	5TG6 227	021	1/10
	Inserts	Section	Page	
	Pushbuttons, 1 NO contact	Functions / Switching/Push-button Control/Dimming	12/7	5TD2 120
	Pushbuttons, 1 CO contact	dto.	12/8	5TD2 123
	DELTA UP 116 bus coupling units, pushbutton position, single	Functions / GAMMA Building Controls	19/2	5WG1 116-2AB21
 5TG6 215	Rockers with "Bell" symbol and labeling field			
	• Titanium white (similar to RAL 9010)	5TG6 215	021	1/10
	• Electrical white (RAL 1013)	5TG6 285	021	1/10
	Inserts	Section	Page	
	Pushbuttons, 1 NO contact	Functions / Switching/Push-button Control/Dimming	12/7	5TD2 120
	Pushbuttons, 1 CO contact	dto.	12/8	5TD2 123
	DELTA UP 116 bus coupling units, pushbutton position, single	Functions / GAMMA Building Controls	19/2	5WG1 116-2AB21
	Note			
	Our free labeling tool can help you create individual labels. Download at: http://www.siemens.de/beschriftungstool			
 5TG6 208	Rockers with "Door Opener" symbol			
	• Titanium white (similar to RAL 9010)	5TG6 208	021	1/10
	• Electrical white (RAL 1013)	5TG6 278	021	1/10
	• Aluminum metallic (similar to RAL 9006)	5TG6 248	021	1/10
	• Carbon metallic (similar to RAL 7016)	5TG6 228	021	1/10
	Inserts	Section	Page	
	Pushbuttons, 1 NO contact	Functions / Switching/Pushbutton Control/Dimming	12/7	5TD2 120
	Pushbuttons, 1 CO contact	dto.	12/8	5TD2 123
	DELTA UP 116 bus coupling units, pushbutton position, single	Functions / GAMMA Building Controls	19/2	5WG1 116-2AB21

Switches and pushbuttons

Version			Order No.	Price	PG	PS* / P. unit
				1 unit		Unit(s)
	Rockers, with pull actuation					
	Cord approx. 2 m					
	• Titanium white (similar to RAL 9010)		5TG6 217		021	1/10
	• Electrical white (RAL 1013)		5TG6 287		021	1/10
	Inserts	Section				
	Pushbuttons, 1 NO contact	Functions / Switching/ Pushbutton Control/ Dimming			021	1/10
	Pushbuttons, 1 CO contact	dto.	5TD2 120			
	DELTA UP 116 bus coupling units, pushbutton position, single	Functions / GAMMA Building Controls	5TD2 123		021	1/10
			5WG1 116-2AB21		030	1

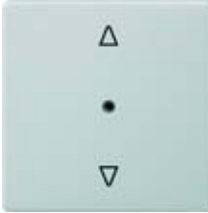
5TG6 217

Selection and ordering data

Version			Order No.	Price	PG	PS* / P. unit
				1 unit		Unit(s)
General information Size of cover plates: 55 mm x 55 mm						
Note	Section	Page				
All rockers and cover plates shown here can be combined with the frames of the DELTA line product range, see ...	Design / DELTA line	2/8				
All rockers and cover plates shown here can be combined with the frames and color elements of the DELTA vita product range, see ...	Design / DELTA vita	3/6				
All rockers and cover plates shown here can be combined with the frames of the DELTA line product range, see ...	Design / DELTA miro	4/8				
Rockers, double, with Up/Down symbols						
• Titanium white (similar to RAL 9010)			5TG6 214		021	1/10
• Electrical white (RAL 1013)			5TG6 284		021	1/10
• Aluminum metallic (similar to RAL 9006)			5TG6 254		021	1/10
• Carbon metallic (similar to RAL 7016)			5TG6 234		021	1/10
Inserts	Section	Page				
Shutter/blind switches, with electrical and mechanical interlock	Functions / Shutter/blind control	14/2	5TA2 154		021	1/10
Shutter/blind pushbuttons, with electrical interlock	dto.	14/2	5TA2 114		021	1/10
DELTA UP 116 bus coupling units, pushbutton position, double	dto.	19/2	5WG1 116-2AB31		030	1
Rockers, double, with labeling field						
• Titanium white (similar to RAL 9010)			5TG6 212		021	1/10
• Electrical white (RAL 1013)			5TG6 282		021	1/10
• Aluminum metallic (similar to RAL 9006)			5TG6 252		021	1/10
• Carbon metallic (similar to RAL 7016)			5TG6 232		021	1/10
Inserts	Section	Page				
Shutter/blind switches, with electrical and mechanical interlock	Functions / Shutter/blind control	14/2	5TA2 154		021	1/10
Shutter/blind pushbuttons, with electrical interlock	dto.	14/2	5TA2 114		021	1/10
DELTA UP 116 bus coupling units, center position, double	Functions / GAMMA Building Controls	19/2	5WG1 116-2AB11		030	1
DELTA UP 116 bus coupling units, pushbutton position, double	dto.	19/2	5WG1 116-2AB31		030	1
Note	Section	Page				
5TG1 137 sheet of pictographs must be ordered separately, see ...	Accessories and spare parts	1/43	5TG1 137		021	1
Note Our free labeling tool can help you create individual labels. Download at: http://www.siemens.de/beschriftungstool						

Shutter/blind controls

Version		Order No.	Price	PG	PS*/ P. unit
			1 unit		Unit(s)
 5TA7 664	Shutter/blind key-operated switches for master-key systems, with Up/Down symbols • 10 A, 250 V AC • Key can only be withdrawn in neutral position • 5TG4 225 profile semicylinder (see below) must be ordered separately				
	Titanium white version (similar to RAL 9010)				
	• 1-pole, changeover contact with neutral position				
	– momentary-contact and maintained-contact position to left and right		5TA7 664		021 1
	– momentary-contact position to left and right		5TA7 666		021 1
	– maintained-contact position to left and right		5TA7 668		021 1
	• 2-pole, changeover contact with neutral position				
	– momentary-contact and maintained-contact position to left and right		5TA7 665		021 1
	– momentary-contact position to left and right		5TA7 667		021 1
	• 2-pole, changeover contact without neutral position				
	– maintained-contact position to left and right, key can be withdrawn in both maintained-contact positions		5TA7 670		021 1
	Electrical white version (RAL 1013)				
	• 1-pole, changeover contact with neutral position				
	– momentary-contact and maintained-contact position to left and right		5TA7 675		021 1
	– momentary-contact position to left and right		5TA7 677		021 1
	– maintained-contact position to left and right		5TA7 680		021 1
	• 2-pole, changeover contact with neutral position				
	– momentary-contact and maintained-contact position to left and right		5TA7 676		021 1
	– momentary-contact position to left and right		5TA7 678		021 1
	• 2-pole, changeover contact without neutral position				
	– maintained-contact position to left and right, key can be withdrawn in both maintained-contact positions		5TA7 681		021 1
	Note	Section	Page		
	Technical Specifications, see ...	Technical Information/ Shutter/blind control/ Shutter/blind key-operated switches, for master-key systems	20/46		
 5TG4 225	Profile semicylinders for "shutter/blind key-operated switches for master-key systems" • CES product • With three keys of • Identical key type				
	5TG4 225				
 5TA7 662	Shutter/blind key-operated switches with Up/Down symbols • With safety lock and 2 keys • 10 A, 250 V AC • 1-pole • Identical key type • Key can only be withdrawn in neutral position • Momentary-contact and maintained-contact position to left and right and neutral position				
	Versions				
	• Titanium white (similar to RAL 9010)		5TA7 662		021 1
	• Electrical white (RAL 1013)		5TA7 673		021 1
	Note	Section	Page		
	Technical Specifications, see ...	Technical Information / Shutter/Blind Controls / Shutter/blind key-operated switches	20/45		

Version	Order No.	Price	PG	PS*/ P. unit
		1 unit		Unit(s)
 5TA7 660	Shutter/blind knob-operated switches with Up/Down symbols • 10 A, 250 V AC • Momentary-contact and maintained-contact position to left and right and neutral position • Changeover contact with neutral position			
	Versions			
	• Titanium white (similar to RAL 9010)			
	– 1-pole	5TA7 660	021	1
	– 2-pole	5TA7 661	021	1
	• Electrical white (RAL 1013)			
	– 1-pole	5TA7 671	021	1
	– 2-pole	5TA7 672	021	1
	Note	Section	Page	
	Technical Specifications, see ...	<i>Technical Information / Shutter/Blind Controls / Shutter/blind knob-operated switches</i>	20/45	
 5TA7 663	Shutter/blind knob-operated switches, with "Down/Up" label • 10 A, 250 V AC • 1-pole (changeover contact with neutral position) • Momentary-contact position to left and right and neutral position			
	Versions			
	• Titanium white (similar to RAL 9010)			
	• Electrical white (RAL 1013)			
	Note	Section	Page	
	Technical Specifications, see ...	<i>Technical Information / Shutter/Blind Controls / Shutter/blind knob-operated switches</i>	20/45	
 5TC1 321	Shutter/blind sys pushbuttons • Titanium white (similar to RAL 9010) • Electrical white (RAL 1013) • Aluminum metallic (similar to RAL 9006) • Carbon metallic (similar to RAL 7016)			
	Inserts	Section	Page	
	<i>Shutter/blind control sys inserts</i>	<i>Functions / Shutter/blind control</i>	14/3	
	Note	Section	Page	
	For a more detailed explanation of the shutter/blind sys pushbutton, see ...	<i>Technical Information / Shutter/Blind Controls / General</i>	20/43	
	Technical Specifications, see ...	<i>Technical Information / Shutter/Blind Controls / Shutter/blind sys pushbuttons</i>	20/47	
	5TC1 321			
	5TC1 321			
	5TC1 321			
	5TC1 321			
 5WG3 211-2HB11	UP 211 wave shutter/blind pushbuttons • Titanium white (similar to RAL 9010) • Aluminum metallic (similar to RAL 9006) • Carbon metallic (similar to RAL 7016)			
	Inserts	Section	Page	
	<i>Shutter/blind control sys inserts</i>	<i>Functions / Shutter/blind control</i>	14/3	
	Note	Section	Page	
	For a more detailed explanation of the UP 211 wave shutter/blind pushbutton, see ...	<i>Functions / Remote Control Systems</i>	17/2	
	Technical Specifications, see ...	<i>Technical Information / Shutter/Blind Controls / Shutter/blind sys pushbuttons</i>	20/47	
	5WG3 211-2HB11			
	5WG3 211-2HB31			
	5WG3 211-2HB21			
	5TC1 231			

Shutter/blind controls

Version		Order No.	Price	PG	PS*/ P. unit
			1 unit		Unit(s)
 5TC1 520	Shutter/blind controls				
	• For controlling a blind or shutter motor with mechanical or electronic limit switches • Operation is by means of 4 control buttons				
	Versions				
	• Titanium white (similar to RAL 9010)	5TC1 520		024	1
	• Electrical white (RAL 1013)	5TC1 532		024	1
	• Aluminum metallic (similar to RAL 9006)	5TC1 522		024	1
	• Carbon metallic (similar to RAL 7016)	5TC1 524		024	1
	Note	Section	Page		
	Technical Specifications, see ...	Technical Information / Shutter/Blind Controls / Shutter/Blind Controls	20/48		
	Product features				
	Flush-mounting device without an extension unit input				
	230 V AC, 50 Hz (N conductor required)				
	For screw and claw fixing				
	Type of connection: screw-type terminals				
	2 relays which are interlocked against each other with a minimum switchover time of approx. 1 s				
	Jumpering of voltage interruptions < 0.2 s				
	Connected load max. 1 motor up to 1000 W				
	Pulse duration: approx. 2 min				
	Accuracy: ± 1 min per month				
	Reserve power: > 6 h				
	Switching times: max. 4 (in 2 blocks: Mo ... Fr / Sa ... Su)				
	Factory preset switching times for faster commissioning				
	Possible reset to factory settings				
Manual operation possible at any time					

Version		Order No.	Price	PG	PS*/ P. unit	
			1 unit		Unit(s)	
 5TC1 521	Comfort shutter/blind controls • For controlling a blind or shutter motor with mechanical or electronic limit switches and comprehensive functionality (see the product features) • Menu-controlled operation by means of 4 control buttons					
	Versions					
	• Titanium white (similar to RAL 9010)		5TC1 521	024	1	
	• Electrical white (RAL 1013)		5TC1 533	024	1	
	• Aluminum metallic (similar to RAL 9006)		5TC1 523	024	1	
	• Carbon metallic (similar to RAL 7016)		5TC1 525	024	1	
	Note	Section	Page			
	The <i>sun sensor</i> must be ordered separately, see ...	<i>Accessories and spare parts</i>	1/45	5TC1 526	024	1
	Technical Specifications, see ...	<i>Technical Information / Shutter/Blind Controls / Comfort shutter/blind control</i>	20/51			
	Product features					
Flush-mounting device without an extension unit input						
230 V AC, 50 Hz (N conductor required)						
For screw and claw fixing						
Type of connection: screw-type terminals						
2 relays which are interlocked against each other with a minimum switchover time of approx. 1 s						
Jumpering of voltage interruptions < 0.2 s						
Connected load max. 1 motor up to 1000 W						
Pulse duration: 2 min factory setting, may be changed to as much as 12 min by configuration						
Accuracy: ± 1 min per month						
Reserve power: approx. 24 h						
Switching times: max. 18 (can be split up in three memories)						
Factory preset switching times for faster commissioning						
Possible reset to factory settings						
Random generator ± 15 min						
Astro program (can be delayed by ± 1 h 59 min)						
Easy changeover from summer to winter time						
Twilight and sun protection function is possible with an optional sun sensor						
The random and astro functions can be combined						
Manual operation possible at any time						
 5TC1 270	Shutter/blind control flush-mounting isolating relays • Double, with individual control • Relay for the control of several shutters or blinds • Two motors can be controlled per isolating relay, even if further isolating relays are connected downstream • Option for individual control of connected motors over blind pushbutton (e.g. 5TA2 114) • The isolating relay should be installed in a surface-mounting or flush-mounting box (flush-mounting box from 70 mm Ø or surface-mounting boxes from 100 mm x 100 mm) • Only for in-phase operation • 8 A (AC1) or 3 A (ind.), 230 V AC, 50 Hz • 58 mm x 59 mm x 22 mm					
	5TC1 270					
	5TC1 270					
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Shutter/blind controls

Version		Order No.	Price	PG	PS*/ P. unit	
			1 unit		Unit(s)	
 5TC1 271	Shutter/blind control flush-mounting isolating relays, compact • Relay for the control of several shutters or blinds • A maximum of two motors can be connected per compact isolating relay, whereby the drive connected to the marked motor terminals can also be individually controlled over a blind pushbutton • If cascaded, a motor can be connected to each compact isolating relay, which can also be individually controlled over a blind pushbutton • The isolating relay should be installed in a surface-mounting or flush-mounting box (flush-mounting box from 60 mm Ø, 40 mm deep or surface-mounting boxes from 75 mm x 75 mm) • Only for in-phase operation • 8 A (AC1) or 3 A (ind.), 230 V AC, 50 Hz • 50 mm x 53 mm x 22 mm	5TC1 271		024	1	
	<table><tr><th>Note</th><th>Section</th><th>Page</th></tr><tr><td>Technical Specifications, see ...</td><td>Technical Information / Shutter/Blind Controls / Compact flush-mounting isolating relays for shutter/ blind control</td><td>20/56</td></tr></table>					Note
Note	Section	Page				
Technical Specifications, see ...	Technical Information / Shutter/Blind Controls / Compact flush-mounting isolating relays for shutter/ blind control	20/56				

Socket outlets

Version			Order No.	Price	PG	PS*/ P. unit	
				1 unit		Unit(s)	
	SCHUKO socket outlets with imprint "ZSV" 1) Orange (similar to RAL 2004)		5UB1 911		021	1/10	
	Note	Section					Page
	Label sheets for marking the inserts, see ...	Accessories and spare parts					1/44
	Footnote						
	1) ZSV: additional safety power supply (BEV).						
5UB1 911							
	SCHUKO socket outlets with labeling field		5UB1 515		021	1/10	
	• Titanium white (similar to RAL 9010)						5UB1 515
	• Electrical white (RAL 1013)						5UB1 555
	• Aluminum metallic (similar to RAL 9006)						5UB1 933
	• Carbon metallic (similar to RAL 7016)						5UB1 923
	• Green (similar to RAL 6018) (SV) ¹⁾						5UB1 537
	• Orange (similar to RAL 2004) (ZSV) ²⁾						5UB1 538
	• Red (similar to RAL 3003) (WSV) ³⁾						5UB1 536
	Note	Section					Page
	Label sheets for marking the inserts, see ...	Accessories and spare parts					1/44
	Note						
	Our free labeling tool can help you create individual labels. Download at: http://www.siemens.de/beschriftungstool						
	Footnote						
	1) SV: safety power supply (AEV).						
	2) ZSV: additional safety power supply (BEV).						
3) WSV: other safety power supply.							
5UB1 515							
	SCHUKO socket outlets with status display and labeling field		5UB1 560		021	1/10	
	• Titanium white (similar to RAL 9010)						5UB1 560
	• Electrical white (RAL 1013)						5UB1 561
	• Aluminum metallic (similar to RAL 9006)						5UB1 935
	• Carbon metallic (similar to RAL 7016)						5UB1 925
	• Green (similar to RAL 6018) (SV) ¹⁾						5UB1 562
	• Orange (similar to RAL 2004) (ZSV) ²⁾						5UB1 563
	Note	Section					Page
	5TG7 304 spare glow lamps for SCHUKO socket outlets with status display, see ...	Accessories and spare parts					1/45
	Label sheets for marking the inserts, see ...	dto.					1/44
	Technical Specifications, see ...	Technical Information / Socket Outlets / SCHUKO socket outlets, with status display					20/11
	Note						
	Our free labeling tool can help you create individual labels. Download at: http://www.siemens.de/beschriftungstool						
	Footnote						
	1) SV: safety power supply (AEV).						
2) ZSV: additional safety power supply (BEV).							
5TG7 304							

Version		Order No.	Price	PG	PS*/ P. unit
			1 unit		Unit(s)
 5UH1 310	Status display conversion kits • For SCHUKO socket outlets • 1 set contains a glow lamp and cover plate • With window and labeling field				
	Versions				
	• Titanium white (similar to RAL 9010)		5UH1 310	1 set	021 1 set/ 5 sets
	• Electrical white (RAL 1013)		5UH1 311	1 set	021 1 set/ 5 sets
	Note	Section	Page		
	Technical Specifications, see ...	Technical Information / Socket Outlets / SCHUKO socket outlets, with status display	20/11		
	Note Caution: This cover is only suitable as a substitute for the SCHUKO socket outlets with green touch-protected cover. Our free labeling tool can help you create individual labels. Download at: http://www.siemens.de/beschriftungstool				
 5UB1 564	SCHUKO socket outlets with overvoltage protection, function indicators and labeling field				
	• Titanium white (similar to RAL 9010)		5UB1 564		021 1
	• Electrical white (RAL 1013)		5UB1 565		021 1
	• Aluminum metallic (similar to RAL 9006)		5UB1 936		021 1
	• Carbon metallic (similar to RAL 7016)		5UB1 926		021 1
	Note	Section	Page		
	5UH1 300 spare overvoltage protection modules, see ...	Accessories and spare parts	1/45	5UH1 300	021 1
Technical Specifications, see ...	Technical Information / Socket Outlets / SCHUKO socket outlets, with overvoltage protection	20/11			
 5UH1 340	Conversion kits, overvoltage protection • For SCHUKO socket outlets • 1 set contains overvoltage protection module and cover plate • with window and labeling field				
	Versions				
	• Titanium white (similar to RAL 9010)		5UH1 340	1 set	021 1 set
	• Electrical white (RAL 1013)		5UH1 341	1 set	021 1 set
	Note	Section	Page		
	Technical Specifications, see ...	Technical Information / Socket Outlets / SCHUKO socket outlets, with overvoltage protection	20/11		
	Note Caution: This cover, complete with overvoltage protection module, is only suitable as a substitute for the SCHUKO socket outlets with green touch-protected cover. Our free labeling tool can help you create individual labels. Download at: http://www.siemens.de/beschriftungstool				
 5WG1 563-2AB11	UP 563 function modules • For the manufacture of switchable SCHUKO socket outlets • 10 A switch actuator with integrated bus coupling unit • For mounting on screwless SCHUKO socket outlets (not for double socket outlets or socket outlets with overvoltage protection) • For the integration of switchable SCHUKO socket outlets in the DELTA i-system product range 60 mm deep switch and socket box with mounted leveling ring (24 mm), i.e. an overall depth of 84 mm is required.		5WG1 563-2AB11		030 1
	Note The SCHUKO socket outlet and corresponding frame must be ordered separately; we recommend selecting a SCHUKO socket outlet with status display, which allows you to check the circuit state at any time.				

Socket outlets

Version		Order No.	Price	PG	PS*/ P. unit
			1 unit		Unit(s)
	SCHUKO double socket outlets				
	• 117 mm x 80 mm • For switch and socket boxes with 60 mm Ø • Screw-type terminals • Non-insulated parts not covered by molded plastic				
	Versions				
	• Titanium white (similar to RAL 9010) • Electrical white (RAL 1013)	5UB2 201 5UB2 202		021 021	1/10 1/10
5UB2 201					
	SCHUKO double socket outlets with increased protection against contact				
	• 94 mm x 80 mm • For switch and socket boxes with 60 mm Ø • Screwless terminals • Without self-retracting claws				
	Versions				
	• Titanium white (similar to RAL 9010) • Electrical white (RAL 1013)	5UB2 206-5A 5UB2 205-5A		021 021	1 1
5UB2 206-5A					
	SCHUKO socket outlets with hinged lid, increased protection against contact and labeling field				
	• Titanium white (similar to RAL 9010) • Electrical white (RAL 1013) • Aluminum metallic (similar to RAL 9006) • Carbon metallic (similar to RAL 7016) • Green (similar to RAL 6018) (SV)¹⁾ • Orange (similar to RAL 2004) (ZSV)²⁾	5UB1 912 5UB1 902 5UB1 932 5UB1 922 5UB1 913 5UB1 914		021 021 021 021 021 021	1/10 1/10 1/10 1/10 1/10 1/10
	Note	Section	Page		
	Label sheets for marking the inserts, see ...	Accessories and spare parts	1/44		
	Note				
	Opening angle of the hinged lid, 150°				
	Our free labeling tool can help you create individual labels. Download at: http://www.siemens.de/beschriftungstool				
	Footnote				
	¹⁾ SV: safety power supply (AEV).				
	²⁾ ZSV: additional safety power supply (BEV).				
5UB1 912					
	SCHUKO socket outlets with hinged lid				
	• Titanium white (similar to RAL 9010) • Electrical white (RAL 1013) • Aluminum metallic (similar to RAL 9006) • Carbon metallic (similar to RAL 7016)	5UB1 917 5UB1 907 5UB1 937 5UB1 927		021 021 021 021	1/10 1/10 1/10 1/10
	Note				
	Opening angle of the hinged lid, 150°				
5UB1 917					
	SCHUKO socket outlets with hinged lid, increased protection against contact				
	• Titanium white (similar to RAL 9010) • Electrical white (RAL 1013) • Aluminum metallic (similar to RAL 9006) • Carbon metallic (similar to RAL 7016)	5UB1 915 5UB1 905 5UB1 930 5UB1 920		021 021 021 021	1 1 1 1
	Note				
	Opening angle of the hinged lid, 150°				
5UB1 915					

Version		Order No.	Price 1 unit	PG	PS*/ P. unit Unit(s)
	Cover plates with hinged lid, increased protection against contact and labeling field for converting SCHUKO socket outlets				
	• Titanium white (similar to RAL 9010)	5UH1 081		021	1/10
	• Electrical white (RAL 1013)	5UH1 213		021	1/10
	Note				
	Caution: This cover is only suitable as a substitute for the SCHUKO socket outlets with green touch-protected cover.				
5UH1 081	Opening angle of the hinged lid, 150° Our free labeling tool can help you create individual labels. Download at: http://www.siemens.de/beschriftungstool				
	Cover plates with hinged lid for conversion of SCHUKO socket outlets				
	• Titanium white (similar to RAL 9010)	5UH1 204		021	1/10
	• Electrical white (RAL 1013)	5UH1 205		021	1/10
	Note				
	Caution: This cover is only suitable as a substitute for the SCHUKO socket outlets with green touch-protected cover.				
5UH1 204	Opening angle of the hinged lid, 150°				
	SCHUKO socket outlets with hinged lid, increased protection against contact and lock				
	• Titanium white (similar to RAL 9010)	5UB1 916		021	1
	• Electrical white (RAL 1013)	5UB1 906		021	1
	Note				
	Opening angle of the hinged lid, 150°, identical key type The special version offers up to 200 different locking systems. Ask for details of additional charge.				
5UB1 916					
	SCHUKO socket outlets, 80 mm x 80 mm Complete assembly, so no additional frame necessary				
	• Titanium white (similar to RAL 9010)	5UB1 580		021	1/10
	• Electrical white (RAL 1013)	5UB1 581		021	1/10
	Note				
	Design DELTA line				
5UB1 580					
	SCHUKO socket outlets, 80 mm x 80 mm, with increased protection against contact Complete assembly, so no additional frame necessary				
	• Titanium white (similar to RAL 9010)	5UB1 582		021	1/10
	• Electrical white (RAL 1013)	5UB1 583		021	1/10
	Note				
	Design DELTA line				
5UB1 582					
	SCHUKO socket outlets with hinged lid made of die-cast aluminum	5UB4 650		021	1
	• IP41 drip-proof				
	• Base made of thermosetting plastic with two cable entries M20				
	• 95 mm x 95 mm x 56 mm				
	• Light gray (RAL 7035)				
5UB4 650					

Socket outlets

Version		Order No.	Price	PG	PS*/ P. unit
			1 unit		Unit(s)
 5UA6 701	Shaver socket outlets • 20 VA, ~230 V, 50/60 Hz • 80 mm x 80 mm				
	Versions				
	• Titanium white (similar to RAL 9010)		5UA6 701		021 1
	• Electrical white (RAL 1013)		5UA6 110		021 1
	Note	Section	Page		
	Technical Specifications, see ...	Technical Information / International Plug-and- Socket Devices / Shaver socket outlets	20/64		
 5UH1 111	Molded-plastic wall enclosures, with cover, for "shaver socket outlet" 80 mm x 80 mm x 62 mm		5UH1 111		021 1
 5UH1 112	Sealing rings for "molded-plastic wall enclosure" 85 mm x 85 mm		5UH1 112		021 1/10

Selection and ordering data

Version		Order No.	Price	PG	PS*/ P. unit	
			1 unit		Unit(s)	
General information • With screw and claw fixing • Screw terminal • Degree of protection IP20 • Size of cover plates: 55 mm x 55 mm Note Section Page For extension claws, see ... Functions / Switching/ Pushbutton Control/ Dimming/ Accessories and spare parts 12/17						
 5UB1 918	Socket outlets with grounding pin and increased protection against contact • 16 A, 250 V AC • 2-pole according to CEE7 • French/Belgian standard • With anti-slip terminals, up to 4 x 2.5 mm² Versions • Titanium white (similar to RAL 9010) 5UB1 918 • Electrical white (RAL 1013) 5UB1 908 • Aluminum metallic (similar to RAL 9006) 5UB1 938 • Carbon metallic (similar to RAL 7016) 5UB1 928				021	1/10
					021	1/10
					021	1/10
					021	1/10
					021	1/10
 5UB1 350	Socket outlets with grounding pin • 16 A, 250 V AC • 2-pole according to CEE7 • French/Belgian standard • With anti-slip terminals, up to 4 x 2.5 mm² Versions • Titanium white (similar to RAL 9010) 5UB1 350 • Electrical white (RAL 1013) 5UB1 348				021	1/10
					021	1/10
 5UB1 307	Socket outlets, according to American standard C 73 • 15 A, 125 V AC • 51 mm x 51 mm Versions • Titanium white (similar to RAL 9010) 5UB1 307 • Electrical white (RAL 1013) 5UB1 303 Note Section Page Intermediate frames must be ordered separately, see ... Design / DELTA line / Frames 2/9 Design / DELTA vita / Frames 3/9				021	1/10
					021	1/10
 5UB2 210-5A	SCHUKO double socket outlets, DATA • 94 mm x 80 mm • With increased protection against contact • 16 A, 250 V AC • For device box with 60 mm Ø • Screwless terminals Versions • Titanium white (similar to RAL 9010) 5UB2 210-5A • Electrical white (RAL 1013) 5UB2 208-5A Note Can only be used with the corresponding SCHUKO plugs.				021	1
					021	1

Version	Order No.	Price	PG	PS*/ P. unit	
		1 unit		Unit(s)	
Sensor dimmers					
	Cover plates with sensor area, for dimmers				
	• Titanium white (similar to RAL 9010)		5TG8 353	024 1/10	
	• Electrical white (RAL 1013)		5TG8 354	024 1/10	
	• Aluminum metallic (similar to RAL 9006)		5TG8 523	024 1/10	
	• Carbon metallic (similar to RAL 7016)		5TG8 521	024 1/10	
	Symbol	Power	Inserts	Section	Page
			Sensor dimmers		
		20 ... 400 W	• Without memory function	Functions / Switching/Pushbutton Control/Dimming	12/13
		20 ... 300 VA	• With memory function	dto.	12/13
	Touch dimmers				
	sys pushbuttons				
	• Titanium white (similar to RAL 9010)		5TC1 301	024 1	
	• Electrical white (RAL 1013)		5TC1 300	024 1	
	• Aluminum metallic (similar to RAL 9006)		5TC1 303	024 1	
	• Carbon metallic (similar to RAL 7016)		5TC1 302	024 1	
	Symbol	Power	Inserts	Section	Page
			Universal dimmer sys insert	Functions / Switching/Pushbutton Control/Dimming	12/14
		50 ... 420 W			
		50 ... 420 VA			
		70 ... 420 VA			
	Note		Section	Page	
	For a more detailed explanation of the sys pushbutton, see ...		Functions / Remote control systems	17/2	
	Technical Specifications, see ...		Technical Information/Dimmers/sys pushbuttons	20/15	
	Touch dimmers with radio control				
		UP 210 wave pushbuttons			
• Titanium white (similar to RAL 9010)		5WG3 210-2HB11	030 1		
• Aluminum metallic (similar to RAL 9006)		5WG3 210-2HB31	030 1		
• Carbon metallic (similar to RAL 7016)		5WG3 210-2HB21	030 1		
Symbol		Power	Inserts	Section	Page
			Universal dimmer sys insert	Functions / Switching/Pushbutton Control/Dimming	12/14
		50 ... 420 W			
		50 ... 420 VA			
		70 ... 420 VA			
Note			Section	Page	
For a more detailed explanation of the UP 210 wave pushbutton, see ...		Functions / Remote control systems	17/2		

Lighting controls

Version				Order No.	Price	PG	PS*/ P. unit
					1 unit		Unit(s)
Touch switches with radio control							
	UP 210 wave pushbuttons						
	• Titanium white (similar to RAL 9010)			5WG3 210-2HB11		030	1
	• Aluminum metallic (similar to RAL 9006)			5WG3 210-2HB31		030	1
	• Carbon metallic (similar to RAL 7016)			5WG3 210-2HB21		030	1
	Power	Inserts	Section	Page			
	25 ... 250 VA	Sys switching inserts, 25 ... 250 VA	dto.	12/15	5TC1 232	024	1
	15 ... 500 VA	Sys switching inserts, 15 ... 500 VA	dto.	12/16	5TC1 233	024	1
Note			Section	Page			
For a more detailed explanation of the UP 210 wave pushbutton, see ...			Functions / Remote control systems	17/2			
Speed regulating rheostats							
	Cover plates for speed regulating rheostats						
	• Titanium white (similar to RAL 9010)			5TC8 924		024	1/10
	• Electrical white (RAL 1013)			5TC8 925		024	1/10
	Symbol	Inserts	Section	Page			
		Speed regulating rheostats, 0.1 ... 2.6 A	Functions / Switching/Pushbutton Control/Dimming	12/16	5TC8 604	024	1
5TC8 924							

Selection and ordering data

Version		Order No.	Price	PG	PS* / P. unit
			1 unit		Unit(s)
General information • Size of tops: 55 mm x 55 mm • Degree of protection IP20					
	Motion detector tops • The motion detector top responds to heat motions and initiates a switching operation • The lighting remains switched on as long as the motion detector top detects movement, otherwise it is switched off after the fixed delay time of approx. 2 min • The lighting is only switched on again after a locking time of 3 sec • Depending on technical requirements (relay, triac or extension unit insert), the motion detector top is operated in combination with a motion detector insert • The sensing range can be extended if combined with a motion detector extension unit insert • 2 different versions are available, depending on the required assembly height (1.10 or 2.20 m) • Thanks to their modular design, tops and inserts can be freely combined • The sensing range of a center unit can be extended by connecting a maximum of 10 motion detector extension units • The number of connectable passive extension units is unlimited (e.g. pushbutton, 1 NO contact, 5TD2 120) • The sensitivity can be continuously set between 20 and 100 %				
	Versions • Assembly height 1.10 m – titanium white (similar to RAL 9010) – electrical white (RAL 1013) – aluminum metallic (similar to RAL 9006) – carbon metallic (similar to RAL 7016) • Assembly height 2.20 m – titanium white (similar to RAL 9010) – electrical white (RAL 1013) – aluminum metallic (similar to RAL 9006) – carbon metallic (similar to RAL 7016)				
Inserts		Section	Page		
Motion detector relay inserts		<i>Functions / Motion Detectors</i>	13/2	5TC1 500	
Motion detector triac inserts		<i>dto.</i>	13/3	5TC1 501	
Motion detector extension unit inserts		<i>dto.</i>	13/4	5TC1 502	
Technical specifications					
Sensing angle		approx. 180°			
Assembly height		1.10 m / 2.20 m (depending on the version)			
Sensing field					
• 1.10 m lens		approx. 10 m x 12 m			
• 2.20 m lens		approx. 12 m x 12 m			
Number of lenses / lens levels					
• 1.10 m lens		18 / 2			
• 2.20 m lens		26 / 3			
Rated voltage flush-mounting inserts		230 V AC , 50 Hz			
Operating temperature		approx. -20 ... +45 °C			
Delay time, permanently set		approx. 2 min			
Locking time after switch-off		approx. 3 s			
Brightness threshold value		approx. 0 ... 80 lux / daytime operation			
Sensitivity		approx. 20 ... 100 %			
Number of extension units at the flush-mounting insert					
• Motion detector extension units		max. 10			
• Mechanical pushbuttons (without glow lamps)		unlimited			



5TC1 503 (front view)



5TC1 50 (rear view)

Motion detectors

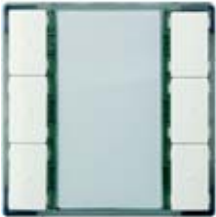
Version	Order No.	Price	PG	PS*/ P. unit
		1 unit		Unit(s)
	Comfort motion detector tops same as motion detector top, plus: • The Comfort motion detector top can also be set to short-time duty • This way it is possible, for example, to control acoustic signal transducers (bells) for the monitoring of an entry door • The operating mode (continuous OFF / automatic / continuous ON) can be selected by means of a slide switch which can also be secured in the automatic position • The delay time can be infinitely adjusted between 10 s and 30 mins			
5TC1 505 (front view)	Versions			
	• Assembly height 1.10 m			
	– titanium white (similar to RAL 9010)			
	5TC1 505		024	1
	– electrical white (RAL 1013)			
	5TC1 530		024	1
	– aluminum metallic (similar to RAL 9006)			
	5TC1 510		024	1
	– carbon metallic (similar to RAL 7016)			
	5TC1 514		024	1
	• Assembly height 2.20 m			
	– titanium white (similar to RAL 9010)			
	5TC1 506		024	1
	– electrical white (RAL 1013)			
	5TC1 531		024	1
	– aluminum metallic (similar to RAL 9006)			
	5TC1 511		024	1
	– carbon metallic (similar to RAL 7016)			
	5TC1 515		024	1
	Inserts			
	Section		Page	
	Motion detector relay inserts	Functions / Motion Detectors	13/2	5TC1 500
	Motion detector triac inserts	dto.	13/3	5TC1 501
	Motion detector extension unit inserts	dto.	13/4	5TC1 502
	Technical specifications			
	Sensing angle	approx. 180°		
	Assembly height	1.10 m / 2.20 m (depending on the version)		
	Sensing field	• 1.10 m lens approx. 10 m x 12 m • 2.20 m lens approx. 12 m x 12 m		
	Number of lenses / lens levels	• 1.10 m lens 18 / 2 • 2.20 m lens 26 / 3		
	Rated voltage flush-mounting inserts	230 V AC , 50 Hz		
	Operating temperature	approx. -20 ... +45 °C		
	Delay time	approx. 10 s 30 min		
	Locking time after switch-off	approx. 3 s		
	Brightness threshold value	approx. 0 ... 80 lux / daytime operation		
	Sensitivity	approx. 20 ... 100%		
	Number of extension units at the flush-mounting insert			
	• Motion detector extension units • Mechanical pushbuttons (without glow lamps)	- max. 10 - unlimited		
	5TC1 505 (rear view)			

Selection and ordering data

Version	Order No.	Price	PG	PS*/ P. unit
		1 unit		Unit(s)
General information • For stand-alone devices and combinations • For screw fixing • Degree of protection IP20 • Size of cover plates: 55 mm x 55 mm				
 5TC9 221	Cover plates for room temperature controllers, NC/CO			
	• Titanium white (similar to RAL 9010)	5TC9 221	024	1/25
	• Electrical white (RAL 1013)	5TC9 220	024	1
	• Aluminum metallic (similar to RAL 9006)	5TC9 250	024	1
	• Carbon metallic (similar to RAL 7016)	5TC9 251	024	1
	Inserts	Section	Page	
	Room temperature controllers, 1 NC contact	Functions / Room Temperature Control	15/2	5TC9 200
Room temperature controllers, 1 CO contact	dto.	15/2	5TC9 201	024 1/100
 5TC9 223	Cover plates for room temperature controllers, 3-position switch Possible positions: • Automatic timing • Constant day temperature • Constant nighttime reduction			
	Versions			
	• Titanium white (similar to RAL 9010)	5TC9 223	024	1
	• Electrical white (RAL 1013)	5TC9 222	024	1
	• Aluminum metallic (similar to RAL 9006)	5TC9 252	024	1
	• Carbon metallic (similar to RAL 7016)	5TC9 253	024	1
	Inserts	Section	Page	
Room temperature controllers, 3-position switch	Functions / Room Temperature Control	15/3	5TC9 202	024 1
 5TC9 225	Cover plates for room temperature controllers, direct floor heating			
	• Titanium white (similar to RAL 9010)	5TC9 225	024	1
	• Electrical white (RAL 1013)	5TC9 224	024	1
	• Aluminum metallic (similar to RAL 9006)	5TC9 254	024	1
	• Carbon metallic (similar to RAL 7016)	5TC9 255	024	1
	Inserts	Section	Page	
	Room temperature controllers, direct floor heating	Functions / Room Temperature Control	15/3	5TC9 203

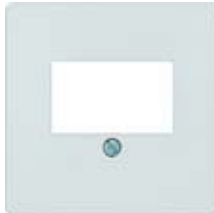
Selection and ordering data

Version	Order No.	Price	PG	PS*/ P. unit			
		1 unit		Unit(s)			
General information • For stand-alone devices and combinations • For screw fixing • Degree of protection IP20 • Size of cover plates: 55 mm x 55 mm							
	UP 221 pushbuttons, single • For the following functions: – switching (On/Off, Over) – sending values – dimming – moving blinds/shutters – adjusting blind slats – calling up and setting scenes (optionally 1 or 8 bit) • Wide labeling field • Flat design • Horizontal operation with one pushbutton pair						
5WG1 221-2AB11							
Versions							
• Titanium white (similar to RAL 9010)	5WG1 221-2AB11		030	1			
• Electrical white (RAL 1013)	5WG1 221-2AB01		030	1			
• Aluminum metallic (similar to RAL 9006)	5WG1 221-2AB31		030	1			
• Carbon metallic (similar to RAL 7016)	5WG1 221-2AB21		030	1			
<table><tr><th>Inserts</th><th>Section</th><th>Page</th></tr></table>					Inserts	Section	Page
Inserts	Section	Page					
<i>UP 110 bus coupling units</i>							
• Mounting depth 27 mm	Functions / GAMMA Building Controls	19/2	5WG1 110-2AB03	030 1			
• Mounting depth 19 mm	dto.	19/2	5WG1 110-2AB11	030 1			
Note							
Our free labeling tool can help you create individual labels. Download at: http://www.siemens.de/beschriftungstool							
	UP 222 pushbuttons, double • For the following functions: – switching (On/Off, Over) – sending values – dimming – moving blinds/shutters – adjusting blind slats – calling up and setting scenes (optionally 1 or 8 bit) • Wide labeling field • Flat design • Horizontal operation with one pushbutton pair						
5WG1 222-2AB11							
Versions							
• Titanium white (similar to RAL 9010)	5WG1 222-2AB11		030	1			
• Electrical white (RAL 1013)	5WG1 222-2AB01		030	1			
• Aluminum metallic (similar to RAL 9006)	5WG1 222-2AB31		030	1			
• Carbon metallic (similar to RAL 7016)	5WG1 222-2AB21		030	1			
<table><tr><th>Inserts</th><th>Section</th><th>Page</th></tr></table>					Inserts	Section	Page
Inserts	Section	Page					
<i>UP 110 bus coupling units</i>							
• Mounting depth 27 mm	Functions / GAMMA Building Controls	19/2	5WG1 110-2AB03	030 1			
• Mounting depth 19 mm	dto.	19/2	5WG1 110-2AB11	030 1			
Note							
Our free labeling tool can help you create individual labels. Download at: http://www.siemens.de/beschriftungstool							

Version	Order No.	Price	PG	PS*/ P. unit
		1 unit		Unit(s)
 5WG1 223-2AB11	UP 223 pushbuttons, triple • For the following functions: – switching (On/Off, Over) – sending values – dimming – moving blinds/shutters – adjusting blind slats – calling up and setting scenes (optionally 1 or 8 bit) • Wide labeling field • Flat design • Horizontal operation with one pushbutton pair			
Versions				
• Titanium white (similar to RAL 9010)	5WG1 223-2AB11		030	1
• Electrical white (RAL 1013)	5WG1 223-2AB01		030	1
• Aluminum metallic (similar to RAL 9006)	5WG1 223-2AB31		030	1
• Carbon metallic (similar to RAL 7016)	5WG1 223-2AB21		030	1
Inserts	Section	Page		
UP 110 bus coupling units				
• Mounting depth 27 mm	Functions / GAMMA Building Controls	19/2	5WG1 110-2AB03	030 1
• Mounting depth 19 mm	dto.	19/2	5WG1 110-2AB11	030 1
Note				
Our free labeling tool can help you create individual labels. Download at: http://www.siemens.de/beschriftungstool				
 5WG3 140-2HB11	UP 140 couplers • Connect the GAMMA wave radio system with the GAMMA <i>instabus</i> • The coupler is a special wave pushbutton that is clipped onto an instabus UP 114 bus coupling unit • Transmission is bidirectional • Whereby indications and commands that are received over radio waves are sent on the <i>instabus</i> and vice versa • Bus telegrams received over radio waves are forwarded • The pushbutton of the coupler also supports an additional operator function over radio and/or over <i>instabus</i> • The programming of the coupler and the teaching of the radio components are carried out using the ETS • Height: 24 mm (incl. spring)			
Versions				
• Titanium white (similar to RAL 9010)	5WG3 140-2HB11		030	1
• Aluminum metallic (similar to RAL 9006)	5WG3 140-2HB31		030	1
• Carbon metallic (similar to RAL 7016)	5WG3 140-2HB21		030	1
Inserts	Section	Page		
UP 114 bus coupling units				
	Functions / GAMMA Building Controls	19/3	5WG1 114-2AB02	030 1
 5WG1 237-2AB11	UP 237 room temperature controllers • Can be used as a two-position controller or continuous-action controller • For controlling electrothermal or electromotive actuators • 5 LEDs for operating status display • Presence pushbuttons • Rotary button for shifting the basic setpoint			
Versions				
• Titanium white (similar to RAL 9010)	5WG1 237-2AB11		030	1
• Aluminum metallic (similar to RAL 9006)	5WG1 237-2AB31		030	1
• Carbon metallic (similar to RAL 7016)	5WG1 237-2AB21		030	1
Inserts	Section	Page		
UP 110 bus coupling units				
• Mounting depth 27 mm	Functions / GAMMA Building Controls	19/2	5WG1 110-2AB03	030 1
• Mounting depth 19 mm	dto.	19/2	5WG1 110-2AB11	030 1

Version			Order No.	Price	PG	PS*/ P. unit		
				1 unit		Unit(s)		
 5WG1 258-2HB11	UP 258 motion detectors							
	• Proximity switch for detecting persons • The integrated passive infrared motion sensor (PIR) reacts to temperature changes in its sensing range • Can be used as stand-alone device or for main and secondary operation							
	Versions							
	• Assembly height 1.10 m							
	– titanium white (similar to RAL 9010)	5WG1 258-2HB11					030	1
	– aluminum metallic (similar to RAL 9006)	5WG1 258-2HB31					030	1
	– carbon metallic (similar to RAL 7016)	5WG1 258-2HB21					030	1
	• Assembly height 2.20 m							
	– titanium white (similar to RAL 9010)	5WG1 258-2HB12					030	1
	– aluminum metallic (similar to RAL 9006)	5WG1 258-2HB32					030	1
	– carbon metallic (similar to RAL 7016)	5WG1 258-2HB22					030	1
	Inserts	Section	Page					
	UP 110 bus coupling units							
	• Mounting depth 27 mm	GAMMA Building Controls	19/2				5WG1 110-2AB03	030
• Mounting depth 19 mm	dto.	19/2	5WG1 110-2AB11	030	1			

Selection and ordering data

Version	Order No.	Price	PG	PS*/ P. unit	
		1 unit		Unit(s)	
General information - Degree of protection: IP20 - Size of cover plates: 55 mm x 55 mm					
 5TG2 563-2	Cover plates for TAE outlet boxes and loudspeaker outlet boxes				
	Titanium white (similar to RAL 9010)	5TG2 563-2	021	1/10	
	Electrical white (RAL 1013)	5TG2 593-2	021	1/10	
	Aluminum metallic (similar to RAL 9006)	5TG1 256-2	021	1/10	
	Carbon metallic (similar to RAL 7016)	5TG1 226-2	021	1/10	
	Inserts	Section	Page		
	TAE 6F+N, black ¹⁾	Functions / Data and Communication Systems	16/3	5TG2 853	021 1
	TAE 3x 6NFN, black ¹⁾	dto.	16/3	5TG2 480	021 1
	TAE 2x 6/6NFF, black ¹⁾	dto.	16/3	5TG2 854	021 1
	UAE 8/6 / TAE 6F+N, black	dto.	16/3	5TG2 855	021 1
	Loudspeaker outlet boxes, single	dto.	16/10	5TG2 467-2	021 1
	Loudspeaker outlet boxes, double	dto.	16/10	5TG2 468-2	021 1
	Footnote				
¹⁾ Design for Austria on request.					
 5TG1 210	Cover plates for UAE outlet boxes, Cat 3, single - For Ackermann inserts, (without central plate) - With 45° inclined outlet				
	Versions				
	Titanium white (similar to RAL 9010)	5TG1 210	021	1/10	
	Electrical white (RAL 1013)	5TG1 207	021	1/10	
	Aluminum metallic (similar to RAL 9006)	5TG1 260	021	1/10	
Carbon metallic (similar to RAL 7016)	5TG1 230	021	1/10		
 5TG1 211	Cover plates for UAE outlet boxes, Cat 3, double - For Ackermann inserts, (without central plate) - With 45° inclined outlet				
	Versions				
	Titanium white (similar to RAL 9010)	5TG1 211	021	1/10	
	Electrical white (RAL 1013)	5TG1 208	021	1/10	
	Aluminum metallic (similar to RAL 9006)	5TG1 261	021	1/10	
Carbon metallic (similar to RAL 7016)	5TG1 231	021	1/10		

Communication

Version	Order No.	Price	PG	PS*/ P. unit	
		1 unit		Unit(s)	
 5TG2 545	Cover plates for UAE outlet boxes • For Cat 3, Cat 5 and Cat 6 inserts from Rutenbeck • For Cat 6 inserts from BTR (E-DAT) • With 45° inclined outlet • For single and double • Inclined outlet can be knocked out for 2 × 8 inserts Versions • Titanium white (similar to RAL 9010) 5TG2 545 • Electrical white (RAL 1013) 5TG2 543 • Aluminum metallic (similar to RAL 9006) 5TG1 257 • Carbon metallic (similar to RAL 7016) 5TG1 227 Inserts Section Page UAE outlet boxes, Cat 3, Rutenbeck, 1 x 8-pole Functions / Data and Communication Systems16/4 UAE outlet boxes, Cat 3, Rutenbeck, 2 x 8-pole dto.16/4 UAE outlet boxes, Cat 5e, Rutenbeck, 1 x 8-pole dto.16/4 UAE outlet boxes, Cat 5e, Rutenbeck, 2 x 8-pole dto.16/4 UAE outlet boxes, real Cat 6, Rutenbeck, 2 x 8-pole dto.16/4 5TG2 417 5TG2 406 5TG2 418 5TG2 407 5TG2 448 Note The cover plate for the UAE outlet box can be combined with inserts AMJ45 and UMJ45 Up 0 (without central plate) from Telegärtner.			021	1/10
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Version			Order No.	Price	PG	PS*/ P. unit
				1 unit		Unit(s)
 5TG2 056	Cover plates, for Modular Jack support plates • Cover plates with shutter • For Modular Jack support plates					
	Versions					
	• Titanium white (similar to RAL 9010)		5TG2 056		021	1
	• Electrical white (RAL 1013)		5TG2 057		021	1
	Inserts	Section	Page			
	Modular Jack support plates					
	• Red insert	Functions / Data and Communication Systems	16/5	5TG2 078	021	1
	• Black insert	dto.	16/5	5TG2 080	021	1
	• Yellow insert	dto.	16/5	5TG2 081	021	1
	• Orange insert	dto.	16/6	5TG2 082	021	1
• Blue insert	dto.	16/6	5TG2 083	021	1	
• Brown insert	dto.	16/6	5TG2 084	021	1	
 5TG2 052	Cover plates with D-subminiature connection, single • For screw fixing • Plug-in connector with soldered connection					
	Versions					
	• Titanium white (similar to RAL 9010)					
	– 9-pole		5TG2 052	021	1	
	– 15-pole		5TG2 053	021	1	
	– 25-pole		5TG2 054	021	1	
	• Electrical white (RAL 1013)					
	– 9-pole		5TG2 040	021	1	
	– 15-pole		5TG2 041	021	1	
	– 25-pole		5TG2 042	021	1	
 5TG2 068	Cover plates with BNC connection, double • With socket contacts • 75 Ω • For screw and claw fixing • Crimp connection					
	Versions					
	• Titanium white (similar to RAL 9010)		5TG2 068	021	1	
	• Electrical white (RAL 1013)		5TG2 067	021	1	

TV/RF/SAT

Selection and ordering data

Version	Order No.	Price	PG	PS*/ P. unit									
		1 unit		Unit(s)									
General information - Degree of protection: IP20 - Size of cover plates: 55 mm x 55 mm													
 5TG2 561	Cover plates for TV/RF/SAT connection, 2-hole version												
	Titanium white (similar to RAL 9010)	5TG2 561	021	1/10									
	Electrical white (RAL 1013)	5TG2 591	021	1/10									
	Aluminum metallic (similar to RAL 9006)	5TG1 253	021	1/10									
	Carbon metallic (similar to RAL 7016)	5TG1 223	021	1/10									
	<table><tr><th>Inserts</th><th>Section</th><th>Page</th></tr><tr><td>Aerial branch-circuit boxes</td><td>Functions / Data and Communication Systems</td><td>16/2</td></tr><tr><td>Aerial through-way boxes/terminal boxes</td><td>dto.</td><td>16/2</td></tr></table>	Inserts	Section	Page	Aerial branch-circuit boxes	Functions / Data and Communication Systems	16/2	Aerial through-way boxes/terminal boxes	dto.	16/2			
	Inserts	Section	Page										
Aerial branch-circuit boxes	Functions / Data and Communication Systems	16/2											
Aerial through-way boxes/terminal boxes	dto.	16/2											
	5TG2 485	021	1/10										
	5TG2 484	021	1/10										
 5TG2 548	Cover plates for TV/RF/SAT connection, 3-hole version												
	Titanium white (similar to RAL 9010)	5TG2 548	021	1/10									
	Electrical white (RAL 1013)	5TG2 528	021	1/10									
	Aluminum metallic (similar to RAL 9006)	5TG1 252	021	1/10									
	Carbon metallic (similar to RAL 7016)	5TG1 222	021	1/10									
 5TG2 565	Cover plates for TV/RF/SAT connection, 4-hole version - With double SAT connection - Suitable for Hirschmann SAT EVU O2F boxes												
	Versions												
	Titanium white (similar to RAL 9010)	5TG2 565	021	1/10									
	Electrical white (RAL 1013)	5TG2 595	021	1/10									
	Aluminum metallic (similar to RAL 9006)	5TG1 254	021	1/10									
	Carbon metallic (similar to RAL 7016)	5TG1 224	021	1/10									

Selection and ordering data

Version	Order No.	Price	PG	PS* / P. unit
		1 unit		Unit(s)
 Socket outlets for equipotential bonding, double • Size of cover plates: 55 mm x 55 mm • For screw fixing to DIN 42801 • For cables 1 x 6 mm² and 4 x 2.5 mm² • Screw terminal				
5TG2 564				
Versions				
• Titanium white (similar to RAL 9010)	5TG2 564		021	1/10
• Electrical white (RAL 1013)	5TG2 594		021	1/10

Module carriers for DELTA line,
DELTA vita and DELTA miro

Selection and ordering data

Version	Order No.	Price	PG	PS* / P. unit
		1 unit		Unit(s)
General information:				
• For holding modules from the DELTA m-system				
 Module carriers, 1M • Incl. intermediate frame • For screw fixing • Titanium white (similar to RAL 9010)	5TG2 008		021	1
5TG2 008				
Module carriers, 2M				
• Incl. intermediate frame				
• For screw fixing				
• Titanium white (similar to RAL 9010)				
 Module carriers, 2M • Incl. intermediate frame • For screw fixing • Titanium white (similar to RAL 9010)	5TG2 010		021	1
5TG2 010				

School programs

Selection and ordering data

Version		Order No.	Price	PG	PS*/ P. unit															
			1 unit		Unit(s)															
General information • Size of rockers: 55 mm x 55 mm • Screw-on rockers, tools required for dismantling • Degree of protection: IP20 Note For the school program, all other screw-on cover plates of the DELTA i-system product range can be used as well.																				
 5TG6 261	Rockers, neutral, with fixing screw • Titanium white (similar to RAL 9010) • Electrical white (RAL 1013)	5TG6 261 5TG6 291		021	1/10															
	<table><tr><th>Inserts</th><th>Section</th><th>Page</th></tr><tr><td>Universal switches, for school programs</td><td>Functions / Switching/ Pushbutton Control/ Dimming</td><td>12/2</td></tr><tr><td>Intermediate switches for school programs</td><td>dto.</td><td>12/3</td></tr><tr><td>Pushbuttons, 1 NO contact, for school programs</td><td>dto.</td><td>12/8</td></tr></table>	Inserts	Section	Page	Universal switches, for school programs	Functions / Switching/ Pushbutton Control/ Dimming	12/2	Intermediate switches for school programs	dto.	12/3	Pushbuttons, 1 NO contact, for school programs	dto.	12/8	5TA2 131 5TA2 132 5TD2 125		021	1/10			
	Inserts	Section	Page																	
	Universal switches, for school programs	Functions / Switching/ Pushbutton Control/ Dimming	12/2																	
	Intermediate switches for school programs	dto.	12/3																	
	Pushbuttons, 1 NO contact, for school programs	dto.	12/8																	
				021	1/10															
				021	1/10															
				021	1/10															
				021	1/10															
 5TG6 260	Rockers with fixing screw and window • Titanium white (similar to RAL 9010) • Electrical white (RAL 1013)	5TG6 260 5TG6 290		021	1/10															
	<table><tr><th>Inserts</th><th>Section</th><th>Page</th></tr><tr><td>Switches with pilot lamp, for ON/OFF switching, for school programs</td><td>Functions / Switching/ Pushbutton Control/ Dimming</td><td>12/5</td></tr><tr><td>Universal switches, for school programs</td><td>dto.</td><td>12/2</td></tr><tr><td>Intermediate switches for school programs</td><td>dto.</td><td>12/3</td></tr><tr><td>Pushbuttons, 1 NO contact, for school programs</td><td>dto.</td><td>12/8</td></tr></table>	Inserts	Section	Page	Switches with pilot lamp, for ON/OFF switching, for school programs	Functions / Switching/ Pushbutton Control/ Dimming	12/5	Universal switches, for school programs	dto.	12/2	Intermediate switches for school programs	dto.	12/3	Pushbuttons, 1 NO contact, for school programs	dto.	12/8	5TA2 130 5TA2 131 5TA2 132 5TD2 125		021	1/10
	Inserts	Section	Page																	
	Switches with pilot lamp, for ON/OFF switching, for school programs	Functions / Switching/ Pushbutton Control/ Dimming	12/5																	
	Universal switches, for school programs	dto.	12/2																	
	Intermediate switches for school programs	dto.	12/3																	
Pushbuttons, 1 NO contact, for school programs	dto.	12/8																		
				021	1/10															
				021	1/10															
				021	1/10															
				021	1/10															
 5TG6 265	Rockers, double, neutral, with fixing screws • Titanium white (similar to RAL 9010) • Electrical white (RAL 1013)	5TG6 265 5TG6 295		021	1/10															
	<table><tr><th>Inserts</th><th>Section</th><th>Page</th></tr><tr><td>Two-circuit switches, for school programs</td><td>Functions / Switching/ Pushbutton Control/ Dimming</td><td>12/7</td></tr></table>	Inserts	Section	Page	Two-circuit switches, for school programs	Functions / Switching/ Pushbutton Control/ Dimming	12/7	5TA2 128		021	1/10									
	Inserts	Section	Page																	
	Two-circuit switches, for school programs	Functions / Switching/ Pushbutton Control/ Dimming	12/7																	
 5TG6 266	Rockers with fixing screw, "Light" symbol and window • Titanium white (similar to RAL 9010) • Electrical white (RAL 1013)	5TG6 266 5TG6 296		021	1/10															
	<table><tr><th>Inserts</th><th>Section</th><th>Page</th></tr><tr><td>Pushbuttons, 1 NO contact, for school programs</td><td>Functions / Switching/ Pushbutton Control/ Dimming</td><td>12/8</td></tr><tr><td>Switches with pilot lamp, for ON/OFF switching, for school programs</td><td>dto.</td><td>12/5</td></tr><tr><td>Universal switches, for school programs</td><td>dto.</td><td>12/2</td></tr><tr><td>Intermediate switches for school programs</td><td>dto.</td><td>12/3</td></tr></table>	Inserts	Section	Page	Pushbuttons, 1 NO contact, for school programs	Functions / Switching/ Pushbutton Control/ Dimming	12/8	Switches with pilot lamp, for ON/OFF switching, for school programs	dto.	12/5	Universal switches, for school programs	dto.	12/2	Intermediate switches for school programs	dto.	12/3	5TD2 125 5TA2 130 5TA2 131 5TA2 132		021	1/10
	Inserts	Section	Page																	
	Pushbuttons, 1 NO contact, for school programs	Functions / Switching/ Pushbutton Control/ Dimming	12/8																	
	Switches with pilot lamp, for ON/OFF switching, for school programs	dto.	12/5																	
	Universal switches, for school programs	dto.	12/2																	
Intermediate switches for school programs	dto.	12/3																		
				021	1/10															
				021	1/10															
				021	1/10															
				021	1/10															

Selection and ordering data

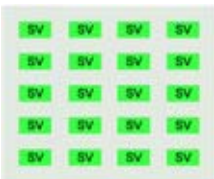
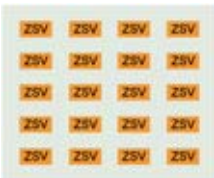
Version	Order No.	Price	PG	PS* / P. unit
		1 unit		Unit(s)
Add-on devices				
General information - For screw and claw fixing - Degree of protection: IP20 - Size of cover plates: 55 mm x 55 mm				
 Hotel card switches, with lighting - Cover plate 62 mm x 62 mm - For cards up to 54 x 85 mm, 0.7 ... 1.0 mm thick - Insertion of a card controls a mechanical contact - With <i>pushbutton insert</i>, 1 CO contact, with separate neutral terminal (5TD2 117) - Incl. <i>glow lamp</i> (5TG7 332)				
Versions - Titanium white (RAL 9010) 5TG4 820 021 1 - Electrical white (RAL 1013) 5TG4 824 021 1 - Aluminum metallic (similar to RAL 9006) 5TG4 821 021 1 - Carbon metallic (similar to RAL 7016) 5TG4 822 021 1				
Note Our free labeling tool can help you create individual labels. Download at: http://www.siemens.de/beschriftungstool				
 Blanking cover plates incl. supporting frame - Titanium white (RAL 9010) 5TG2 558 021 1/10 - Electrical white (RAL 1013) 5TG2 588 021 1/10 - Aluminum metallic (similar to RAL 9006) 5TG1 250 021 1/10 - Carbon metallic (similar to RAL 7016) 5TG1 220 021 1/10				
Note Section Page The blanking cover can also be used with the <i>UP 141 repeater wave insert</i> (5WG3 141-2AB01), see ... <i>Remote control systems / GAMMA wave - the multifunctional radio system / Inserts</i> 17/5				
 Outlet plates incl. supporting frame with strain relief - Titanium white (RAL 9010) 5TG2 566 021 1/10 - Electrical white (RAL 1013) 5TG2 596 021 1/10 - Aluminum metallic (similar to RAL 9006) 5TG1 251 021 1/10 - Carbon metallic (similar to RAL 7016) 5TG1 221 021 1/10				
 Light signals 250 V AC - With 5TG7 301 glow lamp - With red window				
Versions - Titanium white (RAL 9010) 5TD2 813 021 1 - Electrical white (RAL 1013) 5TD2 814 021 1 - Aluminum metallic (similar to RAL 9006) 5TD2 866 021 1 - Carbon metallic (similar to RAL 7016) 5TD2 865 021 1				
Note Section Page For spare window sets, see ... <i>Accessories and spare parts</i> 1/46				
		5TG4 200	1 set	021 1 set/ 10 sets

Accessories and spare parts

Version		Order No.	Price	PG	PS*/ P. unit
			1 unit		Unit(s)
 5TG2 567	Cover plates for flush-mounting control devices for screw fixing				
	• Titanium white (similar to RAL 9010)				
	– for 18.5 mm Ø	5TG2 567		021	1/10
	– for 22.5 mm Ø (DIN 43696)	5TG2 568		021	1/10
	• Electrical white (RAL 1013)				
	– for 18.5 mm Ø	5TG2 597		021	1/10
	– for 22.5 mm Ø (DIN 43696)	5TG2 598		021	1/10
	• Yellow (similar to RAL 1018)				
	– for 18.5 mm Ø	on request			
	– for 22.5 mm Ø (DIN 43696)	on request			
Note		Section	Page		
For EMERGENCY-STOP pushbuttons, see ...		Low-Voltage Switchgear / — SIRIUS Industrial Switchgear / Control and Signaling Devices / Pushbuttons and LEDs			
 5TT1 011	Time switches				
	• 250 V AC / 16 A				
	• 2-pole, switchable				
	• For screw fixing				
	• Runtime: 15 min				
	Versions				
	• Titanium white (RAL 9010)	5TT1 011		027	1
	• Electrical white (RAL 1013)	5TT1 012		027	1
 5TG4 815	Volume controls				
	3 W, 27 Ω, mono				
	• Titanium white (RAL 9010)	5TG4 815		021	1
	• Electrical white (RAL 1013)	5TG4 823		021	1
 5TG2 577	Cover plates for subminiature connectors				
	according to DIN 41524 / 41529				
	according to DIN 45322 / 45325 / 45326 / 45327 / 45328 / 45329				
	• Titanium white (RAL 9010)	5TG2 577		021	1/10
	• Electrical white (RAL 1013)	5TG2 547		021	1/10

Version	Order No.	Price	PG	PS*/ P. unit
		1 unit		Unit(s)
Accessories for rockers				
 5TG1 136	Sheets of pictographs, for single rockers with labeling field	5TG1 136	021	1
 5TG1 137	Sheets of pictographs, for double rockers with labeling field	5TG1 137	021	1
 5TG1 138	Labeling field inserts "Heating Emergency Switch" for rockers with labeling field	5TG1 138	021	1

Accessories and spare parts

Version		Order No.	Price	PG	PS*/ P. unit
			1 unit		Unit(s)
	IP44 sets of seals for rockers - For single or double rockers 1 set contains 4 insert seals	5TG4 324	1 set	021	1 set/ 10 sets
5TG4 324					
Accessories for socket outlets					
	IP44 seals, for socket outlets - For SCHUKO socket outlets with hinged lid 1 set contains 1 seal	5TG4 318	1 set	021	1 set/ 10 sets
5TG4 318					
	Label sheets "SV" - For marking the inserts 1 sheet contains 20 self-adhesive labels	5UH1 084		021	1
5UH1 084					
	Label sheets "ZSV" - For marking the inserts 1 sheet contains 20 self-adhesive labels	5UH1 085		021	1
5UH1 085					
	Label sheets "WSV" - For marking the inserts 1 sheet contains 20 self-adhesive labels	5UH1 086		021	1
5UH1 086					

Version	Order No.	Price	PG	PS*/ P. unit					
		1 unit		Unit(s)					
Accessories for dimmers									
 5TG8 302	Spare fuses 250 V								
	• T 1.6 H 250 V – for incandescent lamp dimmers, 50 ... 400 W (5TC8 256) – for sensor dimmers, without/with memory function, 20 ... 400 W (5TC8 240 / 5TC8 232)		5TG8 302	024 1/10					
	• T 2.5 H 250 V – for incandescent lamp dimmers, 50 ... 600 W (5TC8 257)		5TG8 305	024 1/10					
	• T 4 H 250 V – for low-voltage dimmers for magnetic transformers (5TC8 283) – for electronic potentiometers (5TC8 424 and 5TC8 420) – for speed regulating rheostats (5TC8 604)		5TG8 330	024 1/10					
Accessories for shutter/blind controls									
 5TC1 526	Sun sensors • With 2-m connecting cable (extendable to 25 m) • In combination with the Comfort shutter/blind control, the sun sensor can be used for sun protection and twilight functions		5TC1 526	024 1					
	<table><tr><th>Note</th><th>Section</th><th>Page</th></tr><tr><td>Technical Specifications, see ...</td><td>Technical Information / Shutter/Blind Controls / Comfort shutter/blind control</td><td>20/51</td></tr></table>	Note	Section	Page	Technical Specifications, see ...	Technical Information / Shutter/Blind Controls / Comfort shutter/blind control	20/51		
	Note	Section	Page						
Technical Specifications, see ...	Technical Information / Shutter/Blind Controls / Comfort shutter/blind control	20/51							
Spare parts									
 5TG7 301	Spare glow lamps, for light signals 250 V AC		5TG7 301	021 1/10					
 5TG7 304	Spare glow lamps for SCHUKO socket outlets with status display 1.5 mA, 230 V AC/50 Hz		5TG7 304	021 1/10					
 5UH1 300	Spare overvoltage protection modules for SCHUKO socket outlets with overvoltage protection		5UH1 300	021 1					
	<table><tr><th>Note</th><th>Section</th><th>Page</th></tr><tr><td>Technical Specifications, see ...</td><td>Technical Information / Socket outlets / SCHUKO socket outlets with overvoltage protection</td><td>20/11</td></tr></table>	Note	Section	Page	Technical Specifications, see ...	Technical Information / Socket outlets / SCHUKO socket outlets with overvoltage protection	20/11		
	Note	Section	Page						
Technical Specifications, see ...	Technical Information / Socket outlets / SCHUKO socket outlets with overvoltage protection	20/11							

Accessories and spare parts

Version		Order No.	Price	PG	PS*/ P. unit
			1 unit		Unit(s)
	Spare window sets for light signals 1 set contains two glass clear, two red and two white spare windows		1 set	021	1 set/ 10 sets
	5TG4 200				
	Glow lamps, touch-protected 230 V AC				
	Luminosity	Power consumption	Base color		
	Weak	0.18 mA	White	5TG7 321	021 1/10
	Average	0.9 mA	Gray	5TG7 332	021 1/10
	Incandescent lamps Base color: white				
	Voltage	Power consumption	Base color		
	8 V	35 mA	White	5TG7 313	021 1/10
	12 V	40 mA	White	5TG2 785	021 1/10
5TG7 313	24 V	20 mA	White	5TG7 314	021 1/10

2/6	Introduction
2/8	Frames
2/10	Socket outlets
2/11	Surface-mounting enclosures
2/12	Accessories and spare parts





A true classic.

Perfect proportions, an elegant look and a clear-cut design – those are the impressive features of the DELTA line.

This product range sets new standards in the language of design: narrow corner radii, precise outer edges and attractive surfaces.

Style that is timeless.

2

DELTA line

Special feature: the flat design. This switch blends in beautifully with any room design – supported by the current range of product colors; titanium white, electrical white,

aluminum and carbon metallic. Always flexible – right down the line.

■ DELTA line



Titanium white

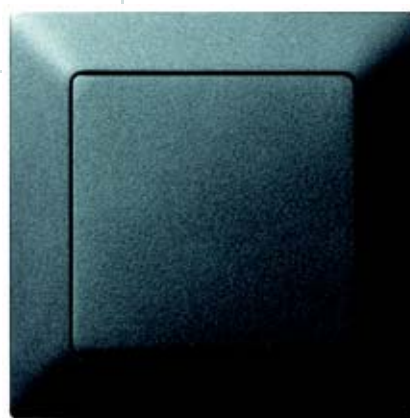


Electrical white





Aluminum metallic



Carbon metallic

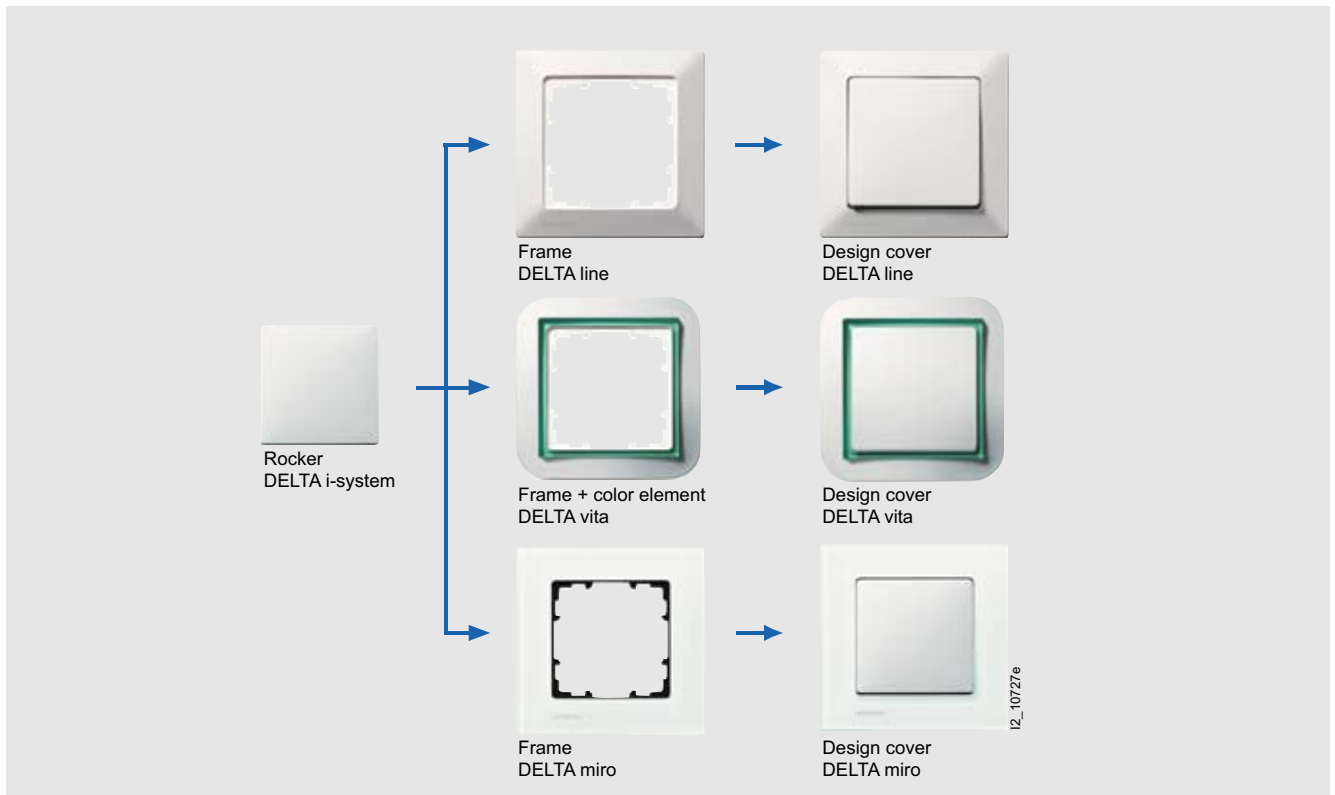
Components of the DELTA line product range:

- Frames in four colors
- Printable frames for horizontal and vertical mounting
- Components of the DELTA i-system and the DELTA m-system product ranges: operator interfaces, **SCHUKO** socket outlets ...
- Set of seals for rockers and socket outlets provides degree of protection IP44
- Comprehensive functions from the DELTA i-system for:
 - Communication
 - Data and voice networks
 - Shutter/blind control, also with radio remote control (GAMMA wave)
 - Time switches
 - Room temperature control
 - Dimmer control, also with radio remote control (GAMMA wave)
 - Motion detection
 - Can be connected to GAMMA *instabus*

Introduction

Overview

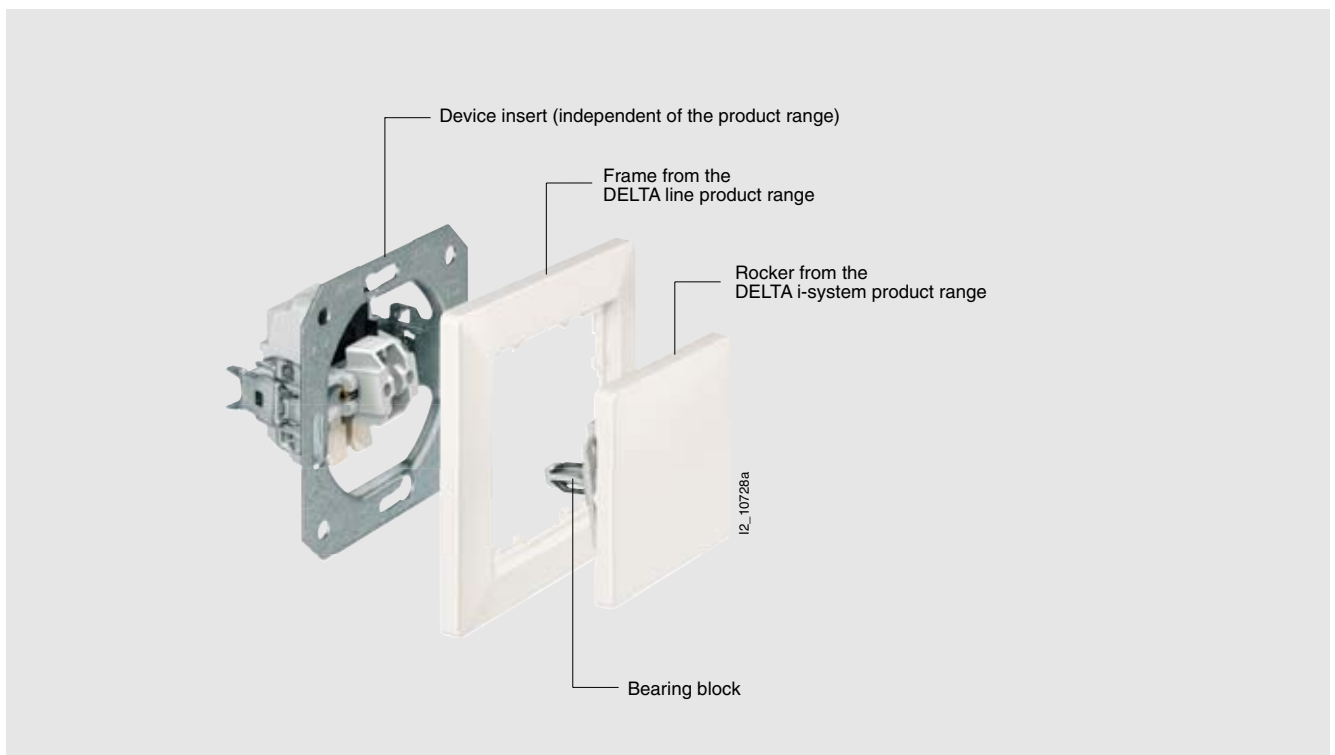
Modular components of DELTA i-system with DELTA line, DELTA vita and DELTA miro



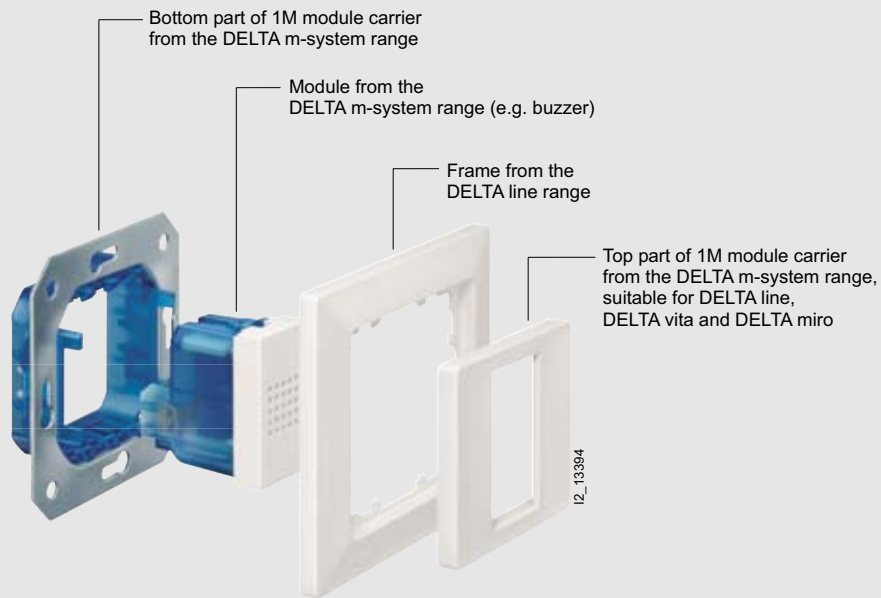
Technical design of the DELTA line product range

Note: In this chapter we will be introducing the frames available in the DELTA line product range.

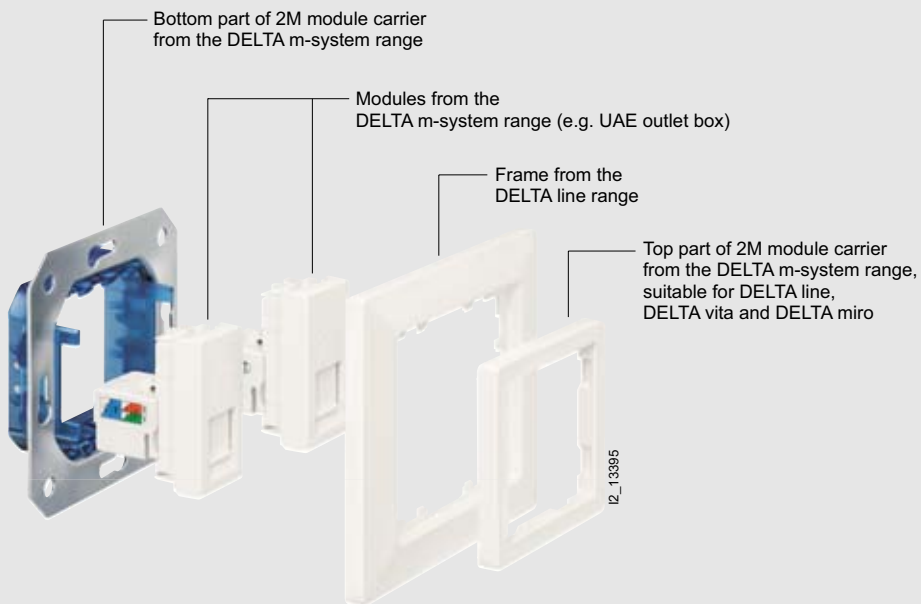
All components of the DELTA i-system product range can be used as central inserts and cover plates.



Modular components of DELTA i-system with DELTA line



Modular components of DELTA m-system (one module) with DELTA line



Modular components of DELTA m-system (two modules) with DELTA line

Frames

Selection and ordering data

Version	Order No.	Price	PG	PS* / P. unit
		1 unit		Unit(s)
General information • For horizontal and vertical mounting • Degree of protection: IP20				
Note	Section	Page		
All components of the <i>DELTA i-system</i> product range can be used as central inserts and cover plates, see ...	<i>Design / DELTA i-system</i>	1/6		
Degree of protection IP44 for rockers can be achieved with the <i>IP44 set of seals, for rockers</i> , see ...	<i>Design / DELTA i-system / Accessories and spare parts</i>	1/44	5TG4 324	1 set 021 1 set/ 10 sets
Degree of protection IP44 for SCHUKO socket outlets with hinged lid can be achieved using an <i>IP44 seal, for outlets</i> , see ...	<i>Design / DELTA i-system / Accessories and spare parts</i>	1/44	5TG4 318	1 set 021 1 set/ 10 sets
Frames, 80 mm				
• Titanium white (similar to RAL 9010)				
– single, 80 mm x 80 mm			5TG2 551-0	021 1/10
– double, 151 mm x 80 mm			5TG2 552-0	021 1/10
– triple, 222 mm x 80 mm			5TG2 553-0	021 1/10
– quadruple, 293 mm x 80 mm			5TG2 554-0	021 1/10
– quintuple, 364 mm x 80 mm			5TG2 555-0	021 1/5
• Electrical white (RAL 1013)				
– single, 80 mm x 80 mm			5TG2 581-0	021 1/10
– double, 151 mm x 80 mm			5TG2 582-0	021 1/10
– triple, 222 mm x 80 mm			5TG2 583-0	021 1/10
– quadruple, 293 mm x 80 mm			5TG2 584-0	021 1/10
– quintuple, 364 mm x 80 mm			5TG2 585-0	021 1/5
• Aluminum metallic (similar to RAL 9006)				
– single, 80 mm x 80 mm			5TG2 551-3	021 1/10
– double, 151 mm x 80 mm			5TG2 552-3	021 1/10
– triple, 222 mm x 80 mm			5TG2 553-3	021 1/10
– quadruple, 293 mm x 80 mm			5TG2 554-3	021 1/10
– quintuple, 364 mm x 80 mm			5TG2 555-3	021 1/5
• Carbon metallic (similar to RAL 7016)				
– single, 80 mm x 80 mm			5TG2 551-6	021 1/10
– double, 151 mm x 80 mm			5TG2 552-6	021 1/10
– triple, 222 mm x 80 mm			5TG2 553-6	021 1/10
– quadruple, 293 mm x 80 mm			5TG2 554-6	021 1/10
– quintuple, 364 mm x 80 mm			5TG2 555-6	021 1/5



5TG2 551-0

Version		Order No.	Price 1 unit	PG	PS*/ P. unit Unit(s)
 5TG2 551-1	Frames, 80 mm, with labeling field				
	• Titanium white (similar to RAL 9010)				
	– single, 80 mm x 80 mm	5TG2 551-1		021	1/10
	– double, 151 mm x 80 mm, horizontal	5TG2 552-1		021	1/10
	– double, 151 mm x 80 mm, vertical	5TG2 552-2		021	1/10
	– triple, 222 mm x 80 mm, horizontal	5TG2 553-1		021	1/10
	– triple, 222 mm x 80 mm, vertical	5TG2 553-2		021	1/10
	– quadruple, 293 mm x 80 mm, horizontal	5TG2 554-1		021	1/10
	– quadruple, 293 mm x 80 mm, vertical	5TG2 554-2		021	1/10
	• Electrical white (RAL 1013)				
	– single, 80 mm x 80 mm	5TG2 581-1		021	1/10
	– double, 151 mm x 80 mm, horizontal	5TG2 582-1		021	1/10
	– double, 151 mm x 80 mm, vertical	5TG2 582-2		021	1/10
	– triple, 222 mm x 80 mm, horizontal	5TG2 583-1		021	1/10
	– triple, 222 mm x 80 mm, vertical	5TG2 583-2		021	1/10
	– quadruple, 293 mm x 80 mm, horizontal	5TG2 584-1		021	1/10
	– quadruple, 293 mm x 80 mm, vertical	5TG2 584-2		021	1/10
	• Aluminum metallic (similar to RAL 9006)				
	– single, 80 mm x 80 mm	5TG2 551-4		021	1/10
	– double, 151 mm x 80 mm, horizontal	5TG2 552-4		021	1/10
	– double, 151 mm x 80 mm, vertical	5TG2 552-5		021	1/10
	• Carbon metallic (similar to RAL 7016)				
	– single, 80 mm x 80 mm	5TG2 551-7		021	1/10
	– double, 151 mm x 80 mm, horizontal	5TG2 552-7		021	1/10
	– double, 151 mm x 80 mm, vertical	5TG2 552-8		021	1/10
	Note				
	Our free labeling tool can help you create individual labeling fields. Download at: http://www.siemens.de/beschriftungstool				
 5TG2 557	Intermediate frames				
	• For installation of devices with cover plates				
	• 51 mm x 51 mm to DIN 49075				
	Versions				
	• Titanium white (similar to RAL 9010)	5TG2 557		021	1/10
	• Electrical white (RAL 1013)	5TG2 587		021	1/10
	• Aluminum metallic (similar to RAL 9006)	5TG1 160		021	1/10
	• Carbon metallic (similar to RAL 7016)	5TG1 150		021	1/10

Socket outlets

Selection and ordering data

Version	Order No.	Price	PG	PS*/ P. unit
		1 unit		Unit(s)
General information • For screw and claw fixing • SCHUKO socket outlets: 16 A, 250 V AC; 10 A, 250 V AC • Non-insulated parts of inserts covered by molded plastic • Self-retracting claws • The screwless terminals are connecting terminals for Cu and aluminum conductors up to 2.5 mm² • Degree of protection: IP20				
Note	Section	Page		
For extension claws, see ...	Switching/Pushbutton Control/Dimming / Accessories and spare parts	12/17		
SCHUKO socket outlets, 80 mm x 80 mm Complete assembly, so no additional frame necessary				
	• Titanium white (similar to RAL 9010)	5UB1 580	021	1/10
	• Electrical white (RAL 1013)	5UB1 581	021	1/10
5UB1 580				
SCHUKO socket outlets, 80 mm x 80 mm, with increased protection against contact Complete assembly, no additional frame necessary				
	• Titanium white (similar to RAL 9010)	5UB1 582	021	1/10
	• Electrical white (RAL 1013)	5UB1 583	021	1/10
5UB1 582				

Surface-mounting enclosures

2

Selection and ordering data

Version	Order No.	Price	PG	PS*/ P. unit
		1 unit		Unit(s)
General information • For horizontal and vertical mounting • Degree of protection: IP20				
Note	Section	Page		
Degree of protection IP44 for rockers can be achieved with the 5TG4 324 set of seals, see ..	<i>Design / DELTA i-system / Accessories and spare parts</i>	1/44	5TG4 324	1 set
Degree of protection IP44 for SCHUKO socket outlets with hinged lids can be achieved with the 5TG4 318 set of seals, see ...	<i>Design / DELTA i-system / Accessories and spare parts</i>	1/44	5TG4 318	1 set
Surface-mounting enclosures Flame-resistant base plate				
• Titanium white (similar to RAL 9010) – single, 84 mm x 84 mm x 42.5 mm – double, 155 mm x 84 mm x 42.5 mm – triple, 226 mm x 84 mm x 42.5 mm • Electrical white (RAL 1013) – single, 84 mm x 84 mm x 42.5 mm – double, 155 mm x 84 mm x 42.5 mm – triple, 226 mm x 84 mm x 42.5 mm				
	5TG2 901		021	1/5
	5TG2 902		021	1/3
	5TG2 903		021	1/2
	5TG2 861		021	1/5
	5TG2 862		021	1/3
	5TG2 863		021	1/2
Note				
The PE conductor can be looped through by inserting a WAGO 2-conductor junction box terminal (WAGO order number: 273-252) in the pocket provided for this purpose in the base plate.				
Included in delivery (in the relevant color):				
Type	Dummy nipple	Slide nipple cable entry	Slide nipple channel entry	
Single	2 units	1 unit	1 unit	
Double	4 units	1 unit	1 unit	
Triple	4 units	1 unit	1 unit	
Accessories	Section	Page		
<i>Slide nipple cable entry</i> (one set contains 10 units)				
• Titanium white (similar to RAL 9010)	<i>Accessories and spare parts</i>	2/12	5TG2 905	1 set
• Electrical white (RAL 1013)	<i>dto.</i>	2/12	5TG2 865	1 set
<i>Slide nipple channel entry</i> (one set contains 10 units)				
• Titanium white (similar to RAL 9010)	<i>dto.</i>	2/12	5TG2 904	1 set
• Electrical white (RAL 1013)	<i>dto.</i>	2/12	5TG2 864	1 set



5TG2 901

Accessories and spare parts

Selection and ordering data

Version	Order No.	Price 1 unit	PG	PS*/ P. unit Unit(s)
Accessories for surface-mounting enclosures				
 5TG2 905	Slide nipples cable entry (one set contains 10 units)			
	Titanium white (similar to RAL 9010)			
	5TG2 905	1 set	021	1 set
 5TG2 904	Slide nipples channel entry - For 15 mm x 15 mm to 19 mm x 19 mm - One set contains 10 units			
	Versions			
	Titanium white (similar to RAL 9010)			
	5TG2 904	1 set	021	1 set
	Electrical white (RAL 1013)			
	5TG2 864	1 set	021	1 set

3

DELTA vita



3/6

Introduction

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Frames

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Color elements

3



Brighten up your life.



Life is ever-changing. Always on the move. No one day like the other. For all those who like a change, there is now DELTA vita, the prize-winning product range of switches and socket outlets for real individualists.

DELTA vita is based on three elements that can be combined at will: the frame, the color element and the rocker - all in a broad spectrum of colors.

Something for every taste.

3

DELTA vita



The key advantage: all parts can be mixed'n'matched – as they are all completely variable. Which offers you a choice of 176 combinations - just as the mood takes you.



Titanium white / red /
titanium white



Aluminum metallic / green /
aluminum metallic



Carbon metallic / chrome /
carbon metallic





Gold / gold / titanium white



Color elements
Platinum / chrome / gold / dark red / dark blue /
green / red / blue / orange / yellow / titanium white

**Components of
the DELTA vita product range:**

- Frames in four colors and eleven color elements
- Components of the DELTA i-system and the DELTA m-system product ranges: operator interfaces, **SCHUKO** socket outlets ...
- Set of seals for rockers and socket outlets provides degree of protection IP44
- Comprehensive functions of the DELTA i-system for:
 - Communication
 - Data and voice networks
 - Shutter/blind control, also with radio remote control (GAMMA wave)
 - Time switches
 - Room temperature control
 - Dimmer control, also with radio remote control (GAMMA wave)
 - Motion detection
 - Can be combined with GAMMA *instabus*

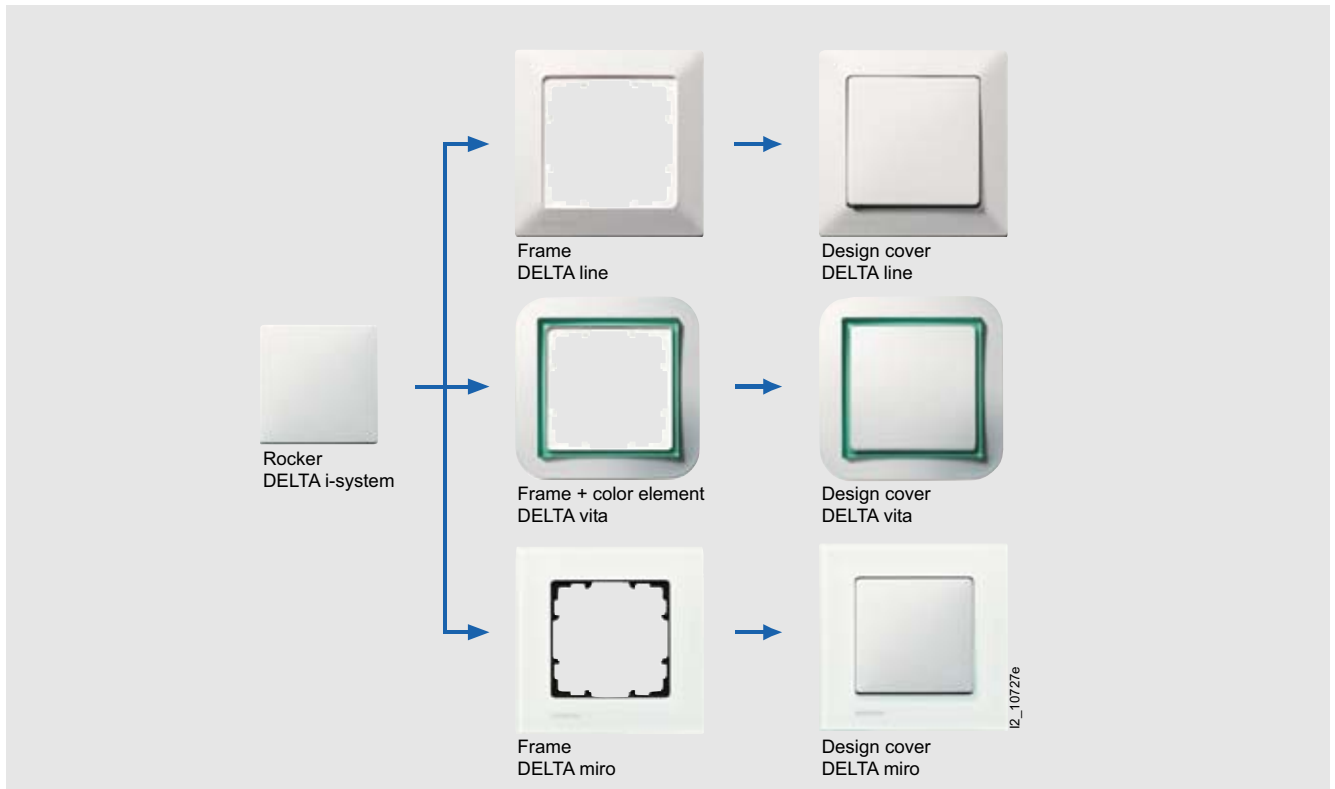


Combination
of universal switches
and **SCHUKO** socket outlets
Titanium white / red /
titanium white

Introduction

Overview

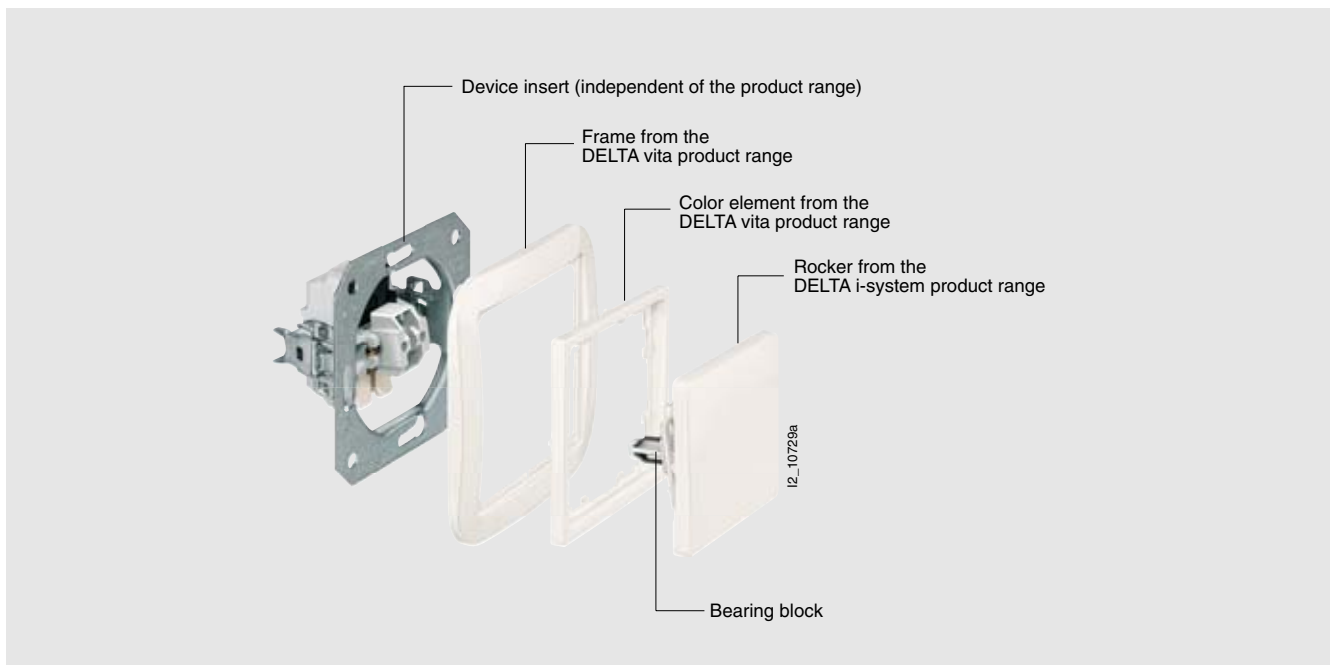
Modular components of DELTA i-system with DELTA line, DELTA vita and DELTA miro



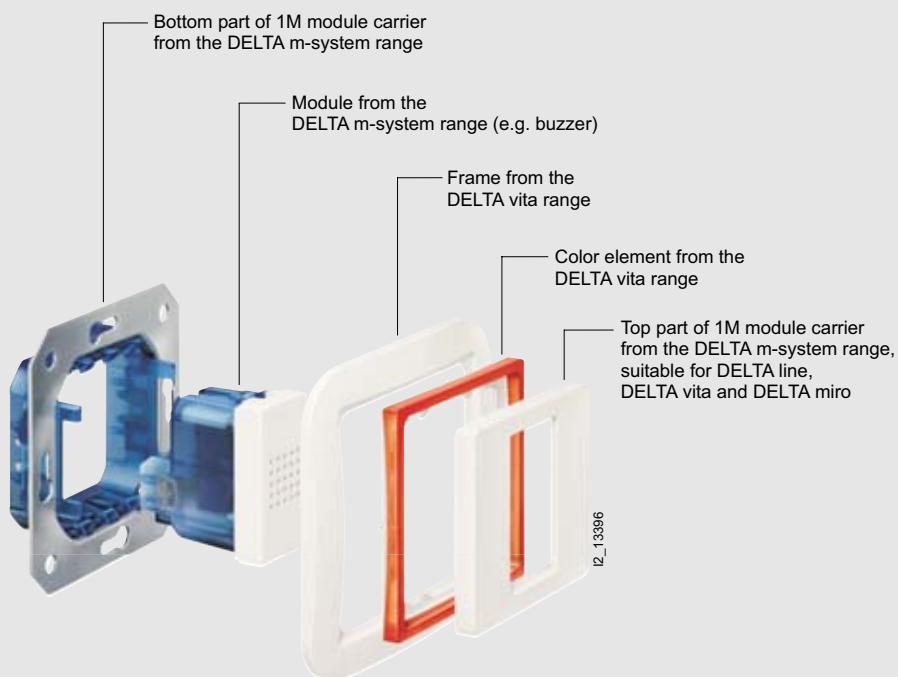
Technical design of the DELTA vita product range

Note: in this chapter, we will be introducing the frames and color elements of the DELTA vita product range.

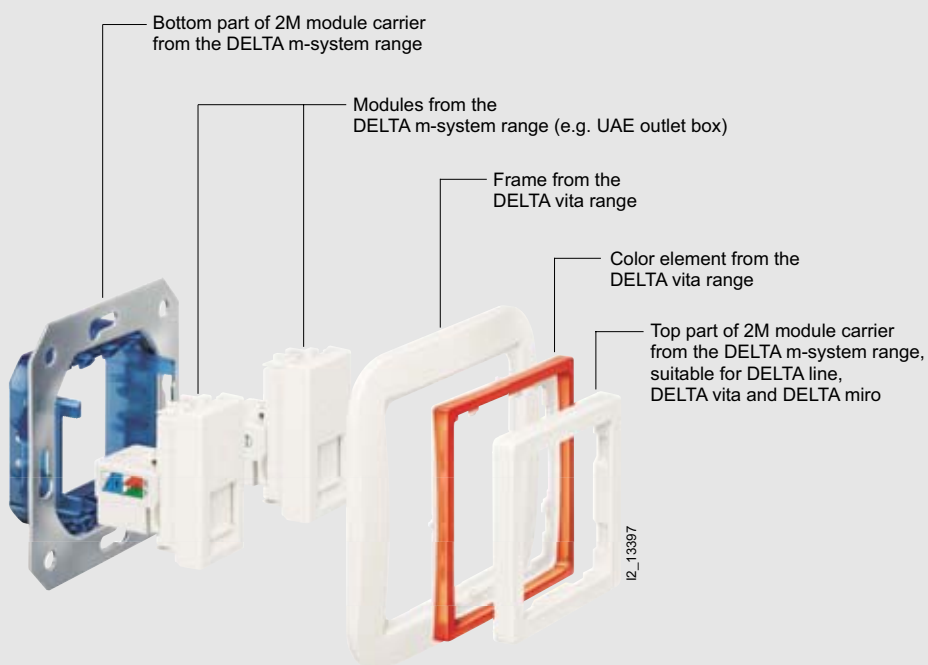
All components of the DELTA i-system product range can be used as central inserts and cover plates.



Modular components of DELTA i-system with DELTA vita



Modular components of DELTA m-system (one module) with DELTA vita



Modular components of DELTA m-system (two modules) with DELTA vita

Introduction

Examples of possible combinations from the DELTA vita product range



Titanium white



Titanium white / yellow



Titanium white / red



Titanium white / gold



Titanium white / green



Titanium white / orange



Titanium white / blue



Titanium white / dark red



Titanium white / dark blue



Titanium white / platinum



Titanium white / chrome



Aluminum metallic / green



Aluminum metallic / orange



Aluminum metallic / dark blue



Carbon metallic / chrome



Carbon metallic / platinum



Gold / titanium white



Gold / titanium white

Selection and ordering data

Version	Order No.	Price	PG	PS* / P. unit
		1 unit		Unit(s)
General information - For horizontal and vertical mounting - Degree of protection: IP20				
Note	Section	Page		
Frames can only be used together with color elements, see ...	<i>Color elements</i>	3/10		
All components of the DELTA i-system product range can be used as central inserts and cover plates, see ...	<i>Design / DELTA i-system</i>	1/6		
Degree of protection IP44 for rockers can be achieved with the <i>IP44 set of seals, for rockers, see ...</i>	<i>Design / DELTA i-system / Accessories and spare parts</i>	1/44	1 set	1 set / 10 sets
Degree of protection IP44 for SCHUKO socket outlets can be achieved using an <i>IP44 seal, for outlets, see ...</i>	<i>Design / DELTA i-system / Accessories and spare parts</i>	1/44	1 set	1 set / 10 sets
Frames, 83 mm				
- Titanium white (similar to RAL 9010) – single, 83 mm x 83 mm – double, 154 mm x 83 mm – triple, 225 mm x 83 mm – quadruple, 296 mm x 83 mm – quintuple, 367 mm x 83 mm - Aluminum metallic (similar to RAL 9006) – single, 83 mm x 83 mm – double, 154 mm x 83 mm – triple, 225 mm x 83 mm – quadruple, 296 mm x 83 mm – quintuple, 367 mm x 83 mm - Carbon metallic (similar to RAL 7016) – single, 83 mm x 83 mm – double, 154 mm x 83 mm – triple, 225 mm x 83 mm – quadruple, 296 mm x 83 mm – quintuple, 367 mm x 83 mm - Gold (similar to RAL 1036) – single, 83 mm x 83 mm – double, 154 mm x 83 mm – triple, 225 mm x 83 mm – quadruple, 296 mm x 83 mm – quintuple, 367 mm x 83 mm	5TG1 141 5TG1 142 5TG1 143 5TG1 144 5TG1 145 5TG1 161 5TG1 162 5TG1 163 5TG1 164 5TG1 165 5TG1 151 5TG1 152 5TG1 153 5TG1 154 5TG1 155 5TG1 171 5TG1 172 5TG1 173 5TG1 174 5TG1 175		021	1/10
			021	1/10
			021	1/10
			021	1/10
			021	1/5
			021	1/10
			021	1/10
			021	1/10
			021	1/10
			021	1/5
			021	1/10
			021	1/10
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			021	1/10
			021	1/5
			021	1/10
			021	1/10
			021	1/10
			021	1/10
			021	1/5
Intermediate frames - For installation of devices with cover plates 51 mm x 51 mm according to DIN 49075				
Versions				
- Titanium white (similar to RAL 9010) - Aluminum metallic (similar to RAL 9006) - Carbon metallic (similar to RAL 7016)	5TG2 557 5TG1 160 5TG1 150		021	1/10
			021	1/10
			021	1/10



5TG1 141



5TG2 557

Color elements

Selection and ordering data

Version			Order No.	Price	PG	PS*/ P. unit
				1 unit		Unit(s)
General information						
Note	Section	Page				
Color elements can only be used together with frames, see ...	Frames	3/9				
All components of the DELTA i-system product range can be used as rockers and cover plates, see ...	Design / DELTA i-system	1/6				
Color elements						
- Size of color elements: 62 mm x 62 mm - For inserting in the frame						
Versions						
• Titanium white (similar to RAL 9010)			5TG1 178		021	1/10
• Yellow (similar to RAL 1021)			5TG1 188-1		021	1/10
• Green (translucent)			5TG1 182		021	1/10
• Orange (translucent)			5TG1 183		021	1/10
• Red (translucent)			5TG1 184		021	1/10
• Blue (translucent)			5TG1 185		021	1/10
• Dark red (painted)			5TG1 186		021	1/10
• Dark blue (painted)			5TG1 187		021	1/10
• Platinum (galvanized, matt)			5TG1 177		021	1/10
• Chrome (galvanized; polished)			5TG1 181		021	1/10
• Gold (galvanized; polished)			5TG1 180		021	1/10



5TG1 178

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Introduction

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Frames



For all those who love a
good design.

Those looking for something really special need look no further
than DELTA miro. Elegant material, clear-cut lines and a

wonderfully slim design are the key features of this exclusive
switch product range. Design at its best.

A truly special product range.

4

DELTA miro

And one that we have now expanded: as well as real glass frames, we now offer frames in solid wood and plastic as the perfect enhancement for your chosen operator interface.

But it's not only the high-quality appearance of DELTA miro that makes it stand out from the crowd – it also offers a wide variety of functions.

DELTA miro

DELTA miro glass Real glass



Titanium white



Aluminum metallic



Carbon metallic

DELTA miro wood Solid wood



Maple red / aluminum metallic



Maple / aluminum metallic



Beech / aluminum metallic

DELTA miro color Plastic



Titanium white / titanium white



Aluminum metallic / aluminum metallic



Carbon metallic / carbon metallic





Cherry / aluminum metallic



Wenge / aluminum metallic

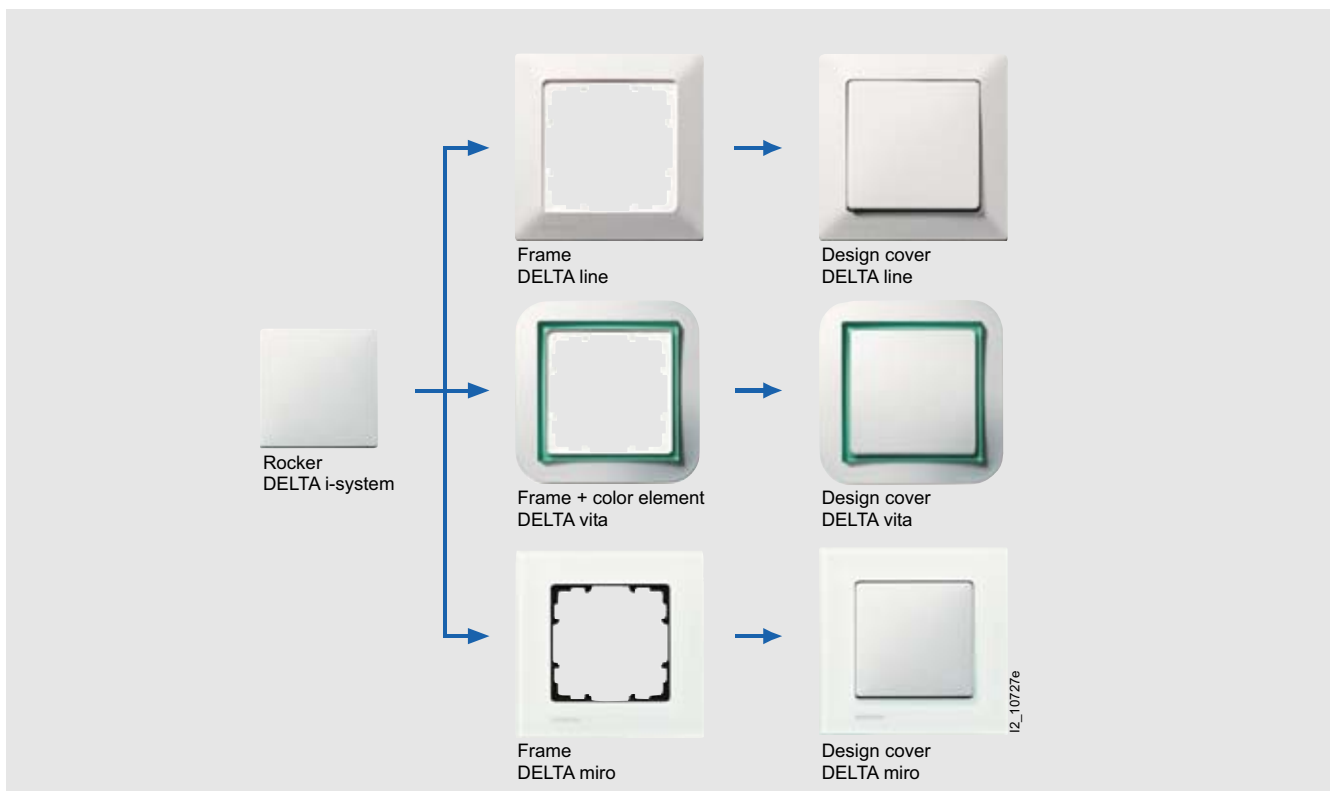
Components of the DELTA miro product range:

- Single to quintuple frames with DELTA miro glass and DELTA miro color
- Single to quadruple frames with DELTA miro wood
- Components of the DELTA i-system and the DELTA m-system product ranges: operator interfaces, **SCHUKO** socket outlets, ...
- Set of seals for rockers and socket outlets provides degree of protection IP44
- Comprehensive functions of the DELTA i-system for:
 - Communication
 - Data and voice networks
 - Shutter/blind control, also with radio remote control (GAMMA wave)
 - Time switches
 - Room temperature control
 - Dimmer control, also with radio remote control (GAMMA wave)
 - Motion detection
 - Can be connected to GAMMA *instabus*
- The products of DELTA miro wood are made of solid wood.

Introduction

Overview

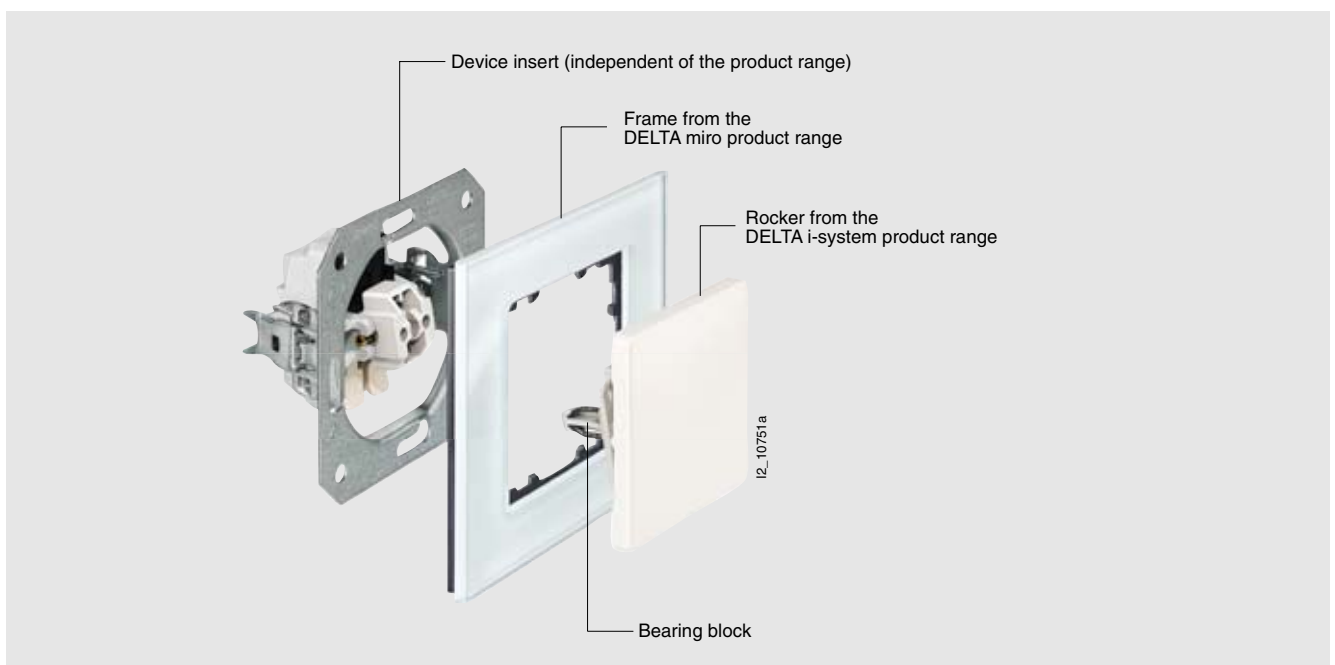
Modular components of DELTA i-system with DELTA line, DELTA vita and DELTA miro



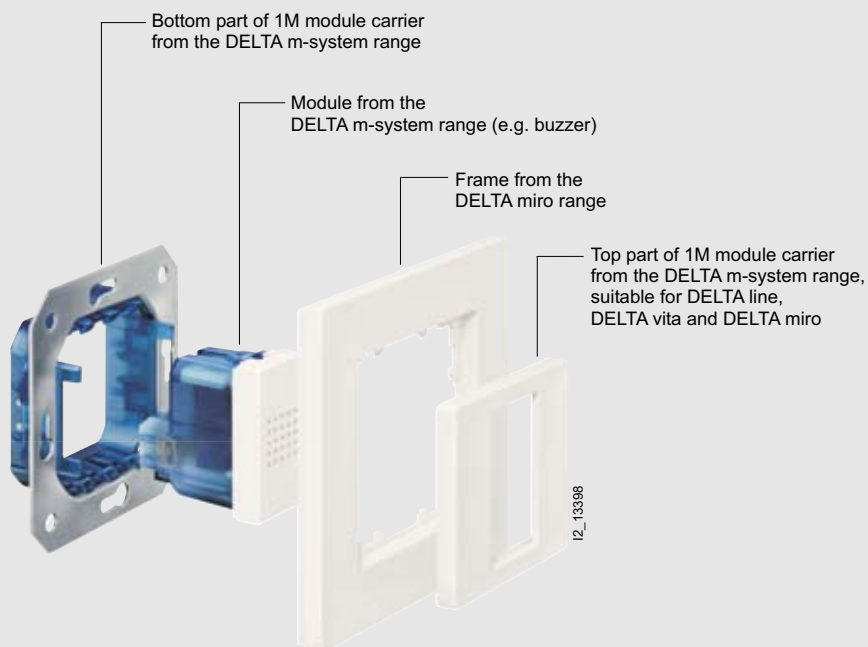
Technical design of the DELTA miro product range

Note: In this chapter we will be introducing the frames available in the DELTA miro product range.

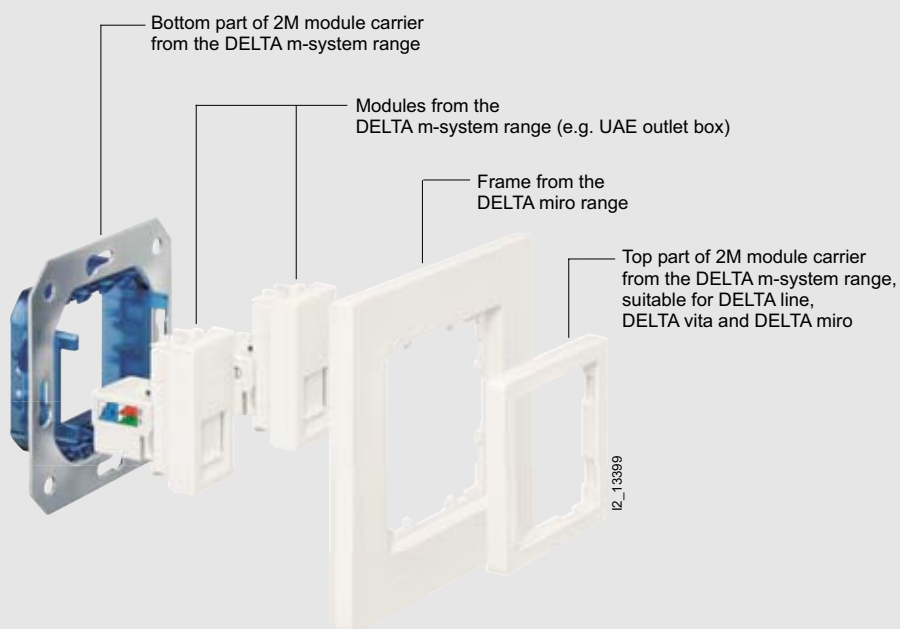
All components of the DELTA i-system product range can be used as central inserts and cover plates.



Modular components of DELTA i-system with DELTA miro



Modular components of DELTA m-system (one module) with DELTA miro



Modular components of DELTA m-system (two modules) with DELTA miro

Frames

Selection and ordering data

Version		Order No.	Price	PG	PS*/ P. unit
			1 unit		Unit(s)
General information • For horizontal and vertical mounting • Degree of protection: IP20					
Note	Section	Page			
All components of the <i>DELTA i-system</i> product range can be used as central inserts and cover plates, see ...	<i>Design / DELTA i-system</i>	1/6			
Degree of protection IP44 for rockers can be achieved with the <i>IP44 set of seals, for rockers</i> , see ...	<i>Design / DELTA i-system / Accessories and spare parts</i>	1/44	5TG4 324	1 set	021 1 set/ 10 sets
Degree of protection IP44 for SCHUKO socket outlets with hinged lid can be achieved using an <i>IP44 seal, for outlets</i> , see ...	<i>Design / DELTA i-system / Accessories and spare parts</i>	1/44	5TG4 318	1 set	021 1 set/ 10 sets
Frames, 90 mm, real glass					
• Single, 90 mm x 90 mm			5TG1 201		021 1
• Double, 161 mm x 90 mm			5TG1 202		021 1
• Triple, 232 mm x 90 mm			5TG1 203		021 1
• Quadruple, 303 mm x 90 mm			5TG1 204		021 1
• Quintuple, 374 mm x 90 mm			5TG1 205		021 1
Frames, 90 mm, real wood					
• Maple red					
– single, 90 mm x 90 mm			5TG1 101-2		021 1
– double, 161 mm x 90 mm			5TG1 102-2		021 1
– triple, 232 mm x 90 mm			5TG1 103-2		021 1
– quadruple, 303 mm x 90 mm			5TG1 104-2		021 1
• Maple					
– single, 90 mm x 90 mm			5TG1 101-3		021 1
– double, 161 mm x 90 mm			5TG1 102-3		021 1
– triple, 232 mm x 90 mm			5TG1 103-3		021 1
– quadruple, 303 mm x 90 mm			5TG1 104-3		021 1
• Beech (color achieved through staining)					
– single, 90 mm x 90 mm			5TG1 101-4		021 1
– double, 161 mm x 90 mm			5TG1 102-4		021 1
– triple, 232 mm x 90 mm			5TG1 103-4		021 1
– quadruple, 303 mm x 90 mm			5TG1 104-4		021 1
• Cherry (color achieved through staining)					
– single, 90 mm x 90 mm			5TG1 101-1		021 1
– double, 161 mm x 90 mm			5TG1 102-1		021 1
– triple, 232 mm x 90 mm			5TG1 103-1		021 1
– quadruple, 303 mm x 90 mm			5TG1 104-1		021 1
• Wenge					
– single, 90 mm x 90 mm			5TG1 101-0		021 1
– double, 161 mm x 90 mm			5TG1 102-0		021 1
– triple, 232 mm x 90 mm			5TG1 103-0		021 1
– quadruple, 303 mm x 90 mm			5TG1 104-0		021 1
Note					
Variations in the color of the wood are typical for this natural product					

Version	Order No.	Price 1 unit	PG	PS*/ P. unit Unit(s)
 5TG1 111-0	Frames, 90 mm, plastic			
	• Titanium white			
	– single, 90 mm x 90 mm	5TG1 111-0	021	1/10
	– double, 161 mm x 90 mm	5TG1 112-0	021	1/10
	– triple, 232 mm x 90 mm	5TG1 113-0	021	1/10
	– quadruple, 303 mm x 90 mm	5TG1 114-0	021	1/10
	– quintuple, 374 mm x 90 mm	5TG1 115-0	021	1/3
	• Aluminum metallic			
	– single, 90 mm x 90 mm	5TG1 111-1	021	1/10
	– double, 161 mm x 90 mm	5TG1 112-1	021	1/10
	– triple, 232 mm x 90 mm	5TG1 113-1	021	1/10
	– quadruple, 303 mm x 90 mm	5TG1 114-1	021	1/10
	– quintuple, 374 mm x 90 mm	5TG1 115-1	021	1/3
	• Carbon metallic			
	– single, 90 mm x 90 mm	5TG1 111-2	021	1/10
	– double, 161 mm x 90 mm	5TG1 112-2	021	1/10
	– triple, 232 mm x 90 mm	5TG1 113-2	021	1/10
	– quadruple, 303 mm x 90 mm	5TG1 114-2	021	1/10
	– quintuple, 374 mm x 90 mm	5TG1 115-2	021	1/3
 5TG2 557	Intermediate frames for installation of devices with cover plates 51 mm x 51 mm according to DIN 49075			
	• Titanium white (similar to RAL 9010)	5TG2 557	021	1/10
	• Electrical white (RAL 1013)	5TG2 587	021	1/10
	• Aluminum metallic (similar to RAL 9006)	5TG1 160	021	1/10
	• Carbon metallic (similar to RAL 7016)	5TG1 150	021	1/10

5/6	Introduction
5/8	Frames
5/11	Switches and pushbuttons
5/16	Shutter/blind controls
5/21	Socket outlets
5/26	International plug-and-socket devices
5/27	Lighting controls
5/30	Motion detectors
5/33	Room temperature controllers
5/34	GAMMA <i>instabus</i>
5/41	Communication
5/44	TV/RF/SAT
5/45	Equipotential bonding
5/45	Surface-mounting enclosures
5/45	Module carriers for the DELTA m-system
5/46	Accessories and spare parts



Warm shades, harmonious designs.



DELTA profil is a switch range that enhances any living area. Whether you prefer titanium white, pearl gray, anthracite or silver,

or one of the currently en vogue colors; champagne, bronze and tobacco - DELTA profil has something to suit all tastes.

Total harmony.

DELTA profil

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These warm and vibrant colors are an excellent match for the curved lines of the switch design.

With this unique combination, DELTA profil blends perfectly with any living environment.

■ DELTA profil



Titanium white



Anthracite



Silver



Pearl gray



Champagne



Bronze



Tabacco
discontinued model



GAMMA *instabus* pushbuttons, quadruple, titanium white



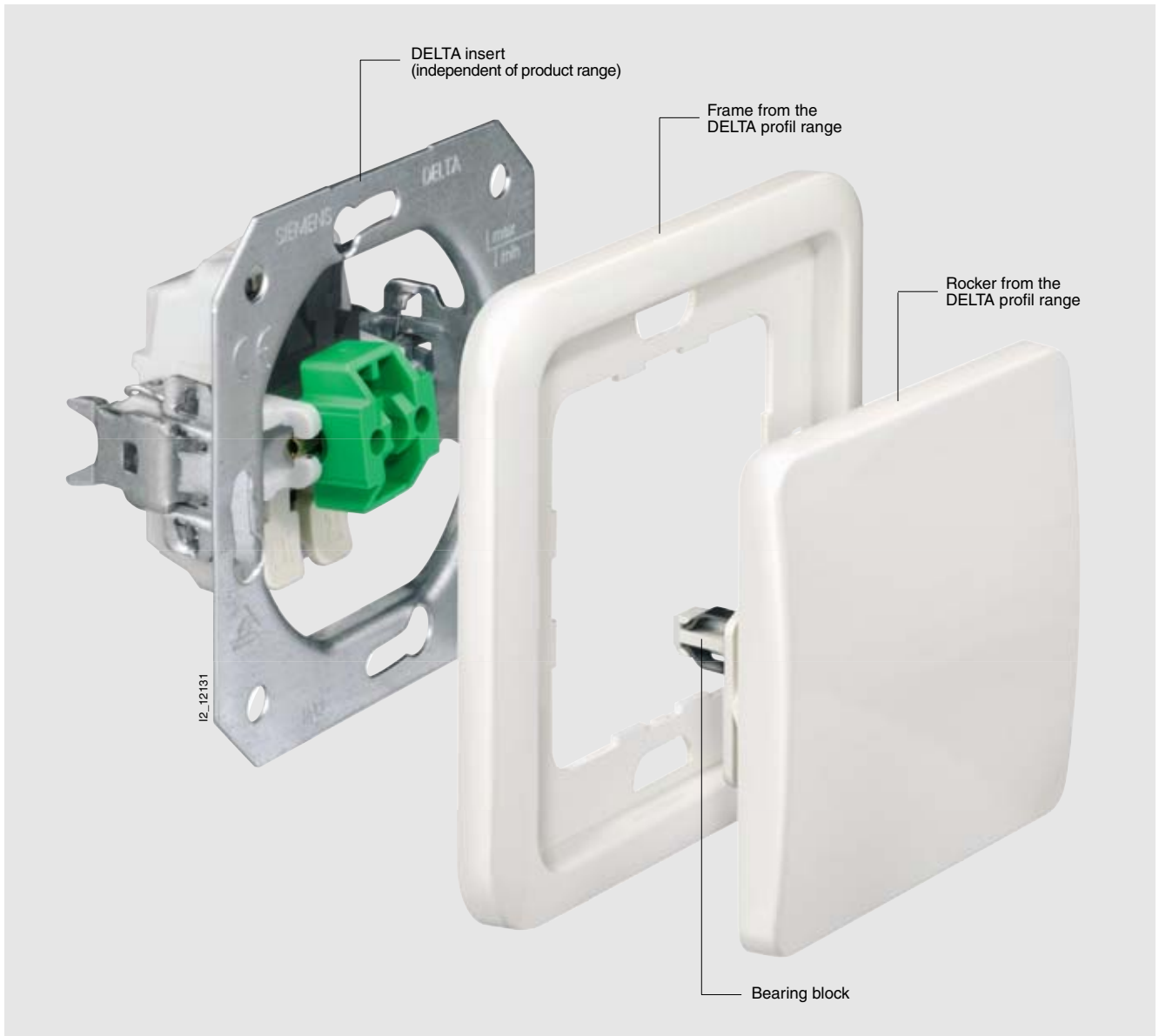
Combination of universal switches and **SCHUKO** socket outlets Silver / anthracite

Components of the DELTA profil product range:

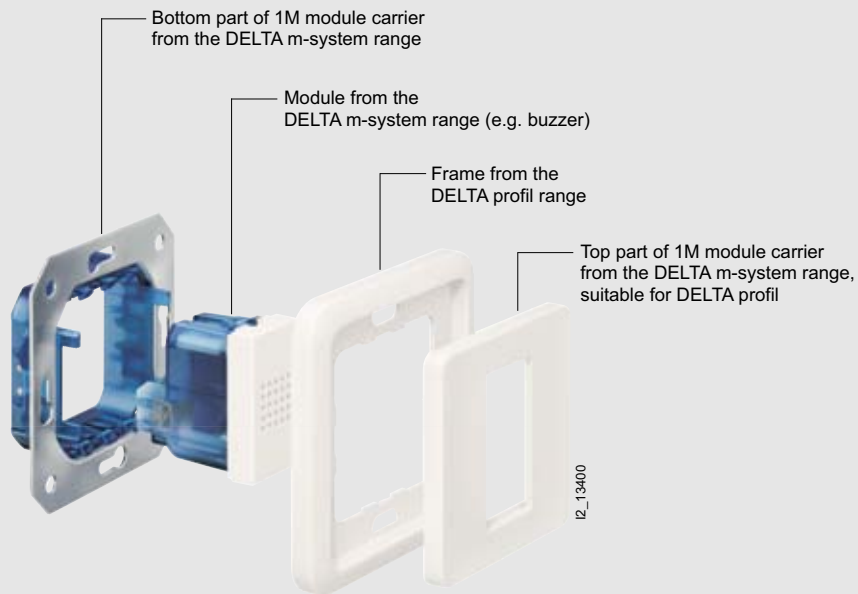
- Numerous functions for:
 - Communication
 - Data and voice networks
 - Shutter/blind control, also with radio remote control (GAMMA wave)
 - Time switches
 - Room temperature control
 - Dimmer control, also with radio remote control (GAMMA wave)
 - Motion detection
 - GAMMA *instabus*
- **SCHUKO** socket outlets in various versions, e.g. with overvoltage protection, status display, labeling field and increased protection against contact

Introduction

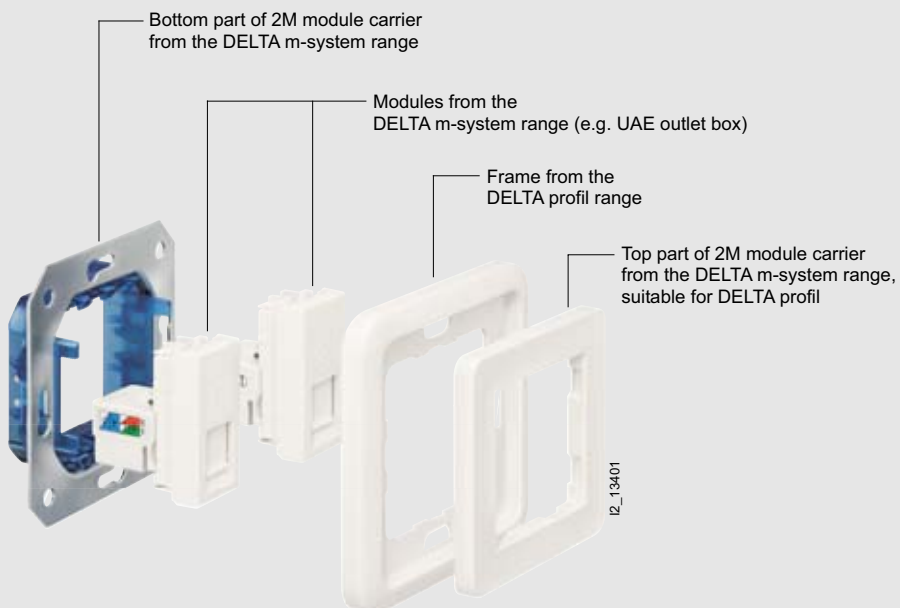
Overview



Technical design of the DELTA profil product range



Modular components of DELTA m-system (one module) with DELTA profil



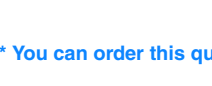
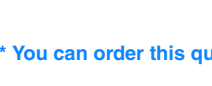
Modular components of DELTA m-system (two modules) with DELTA profil

Frames

Selection and ordering data

Version	Order No.	Price	PG	PS* / P. unit
		1 unit		Unit(s)
General information - For horizontal and vertical mounting - Degree of protection: IP20				
Note				
The color silver is identical to aluminum metallic (DELTA i-system)				
The color anthracite is identical to carbon metallic (DELTA i-system)				
Frames, 80 mm				
 5TG1 811	Titanium white (similar to RAL 9010)			
	– single, 80 mm x 80 mm	5TG1 811	021	1/10
	– double, 151 mm x 80 mm	5TG1 812	021	1/10
	– triple, 222 mm x 80 mm	5TG1 813	021	1/10
	– quadruple, 293 mm x 80 mm	5TG1 814	021	1/10
	– quintuple, 364 mm x 80 mm	5TG1 815	021	1/5
	Pearl gray (similar to RAL 7035)			
	– single, 80 mm x 80 mm	5TG1 871	021	1/10
	– double, 151 mm x 80 mm	5TG1 872	021	1/10
	– triple, 222 mm x 80 mm	5TG1 873	021	1/10
	– quadruple, 293 mm x 80 mm	5TG1 874	021	1/10
	– quintuple, 364 mm x 80 mm	5TG1 875	021	1/5
	Silver (similar to RAL 9006)			
	– single, 80 mm x 80 mm	5TG1 771	021	1/10
	– double, 151 mm x 80 mm	5TG1 772	021	1/10
	– triple, 222 mm x 80 mm	5TG1 773	021	1/10
	– quadruple, 293 mm x 80 mm	5TG1 774	021	1/10
	– quintuple, 364 mm x 80 mm	5TG1 775	021	1/5
	Anthracite (similar to RAL 7016)			
	– single, 80 mm x 80 mm	5TG1 841	021	1/10
	– double, 151 mm x 80 mm	5TG1 842	021	1/10
	– triple, 222 mm x 80 mm	5TG1 843	021	1/10
	– quadruple, 293 mm x 80 mm	5TG1 844	021	1/10
	– quintuple, 364 mm x 80 mm	5TG1 845	021	1/5
	Champagne (similar to RAL 7048)			
	– single, 80 mm x 80 mm	5TG1 711-1	021	1/10
	– double, 151 mm x 80 mm	5TG1 712-1	021	1/10
	– triple, 222 mm x 80 mm	5TG1 713-1	021	1/10
	– quadruple, 293 mm x 80 mm	5TG1 714-1	021	1/10
	– quintuple, 364 mm x 80 mm	5TG1 715-1	021	1/5
	Bronze (similar to RAL 3012)			
	– single, 80 mm x 80 mm	5TG1 751-1	021	1/10
	– double, 151 mm x 80 mm	5TG1 752-1	021	1/10
	– triple, 222 mm x 80 mm	5TG1 753-1	021	1/10
	– quadruple, 293 mm x 80 mm	5TG1 754-1	021	1/10
	– quintuple, 364 mm x 80 mm	5TG1 755-1	021	1/5
	Tobacco (similar to RAL 8019)			
	– single, 80 mm x 80 mm, discontinued model	5TG1 731-1	021	1/10
	– double, 151 mm x 80 mm, discontinued model	5TG1 732-1	021	1/10
	– triple, 222 mm x 80 mm, discontinued model	5TG1 733-1	021	1/10
	– quadruple, 293 mm x 80 mm, discontinued model	5TG1 734-1	021	1/10
	– quintuple, 364 mm x 80 mm, discontinued model	5TG1 735-1	021	1/5

Frames

Version	Order No.	Price 1 unit	PG	PS*/ P. unit Unit(s)
Frames, 80 mm, cutout				
	• Titanium white (similar to RAL 9010)			
	– single, 80 mm x 80 mm	5TG1 801	021	1/10
	– double, 151 mm x 80 mm	5TG1 802	021	1/10
	– double, with 1 cutout, 151 mm x 80 mm	5TG1 803	021	1/10
	– triple, with 1 cutout, 222 mm x 80 mm	5TG1 804	021	1/10
	• Pearl gray (similar to RAL 7035)			
	– single, 80 mm x 80 mm	5TG1 861	021	1/10
	– double, 151 mm x 80 mm	5TG1 862	021	1/10
	– double, with 1 cutout, 151 mm x 80 mm	5TG1 863	021	1/10
	– triple, with 1 cutout, 222 mm x 80 mm	5TG1 864	021	1/10
	• Silver (similar to RAL 9006)			
	– single, 80 mm x 80 mm	5TG1 761	021	1/10
	– double, with 1 cutout, 151 mm x 80 mm	5TG1 763	021	1/10
	– triple, with 1 cutout, 222 mm x 80 mm	5TG1 764	021	1/10
	• Anthracite (similar to RAL 7016)			
	– single, 80 mm x 80 mm	5TG1 831	021	1/10
	– double, 151 mm x 80 mm	5TG1 832	021	1/10
	– double, with 1 cutout, 151 mm x 80 mm	5TG1 833	021	1/10
	– triple, with 1 cutout, 222 mm x 80 mm	5TG1 834	021	1/10
	• Champagne (similar to RAL 7048), single, 80 mm x 80 mm	5TG1 701-1	021	1/10
	• Bronze (similar to RAL 3012), single, 80 mm x 80 mm	5TG1 741-1	021	1/10
	• Tobacco (similar to RAL 8019), single, 80 mm x 80 mm, discontinued model	5TG1 721-1	021	1/10
Intermediate frames, for installation of devices with cover plates 51 mm x 51 mm				
	• According to DIN 49075			
	• 65 mm x 65 mm			
	Versions			
	• Titanium white (similar to RAL 9010)	5TG1 806	021	1/10
	• Pearl gray (similar to RAL 7035)	5TG1 866	021	1/10
	• Silver (similar to RAL 9006)	5TG1 766	021	1/10
	• Anthracite (similar to RAL 7016)	5TG1 836	021	1/10
	• Champagne (similar to RAL 7048)	5TG1 706-1	021	1/10
	• Bronze (similar to RAL 3012)	5TG1 746-1	021	1/10
	• Tobacco (similar to RAL 8019) discontinued model	5TG1 726-1	021	1/10

* You can order this quantity or a multiple thereof.

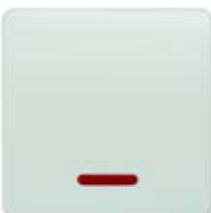
Frames

Version		Order No.	Price	PG	PS* / P. unit
			1 unit		Unit(s)
	Intermediate frames, for installation of devices with cover plates 55 mm x 55 mm				
	• Titanium white (similar to RAL 9010)	5TG1 893		021	1/10
	• Pearl gray (similar to RAL 7035) 	5TG1 885			
	• Silver or aluminum metallic (similar to RAL 9006)	5TG1 762		021	1/10
	• Anthracite or carbon metallic (similar to RAL 7016)	5TG1 835		021	1/10
	• Champagne (similar to RAL 7048) 	5TG1 705-1		021	1/10
	• Bronze (similar to RAL 3012) 	5TG1 745-1		021	1/10

5TG1 893

Switches and pushbuttons

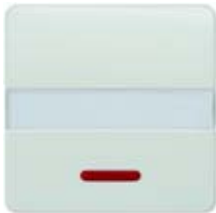
Selection and ordering data

Version			Order No.	Price	PG	PS*/ P. unit
				1 unit		Unit(s)
General information • Size of rockers: 65 mm x 65 mm • Degree of protection: IP20						
Note	Section	Page				
For extension claws, see ...	Functions / Switching/Push-button Control/Dimming / Accessories and spare parts	12/17				
Note						
The color silver is identical to aluminum metallic (DELTA i-system)						
The color anthracite is identical to carbon metallic (DELTA i-system)						
 5TG7 801	Rockers, neutral					
	• Titanium white (similar to RAL 9010)		5TG7 801		021	1/10
	• Pearl gray (similar to RAL 7035)		5TG7 841		021	1/10
	• Silver (similar to RAL 9006)		5TG7 921		021	1/10
	• Anthracite (similar to RAL 7016)		5TG7 821		021	1/10
	• Champagne (similar to RAL 7048)		5TG7 861-1		021	1/10
	• Bronze (similar to RAL 3012)		5TG7 901-1		021	1/10
	• Tobacco (similar to RAL 8019) discontinued model		5TG7 881-1		021	1/10
	Inserts	Section	Page			
	Universal switches	Functions / Switching/Push-button Control/Dimming	12/2	5TA2 156		021 1/10
	Intermediate switches	dto.	12/3	5TA2 117		021 1/10
	ON/OFF switches, 1-pole	dto.	12/3	5TA2 151		021 1/10
	Pushbuttons, 1 NO contact	dto.	12/7	5TD2 120		021 1/10
	Pushbuttons, 1 CO contact	dto.	12/8	5TD2 123		021 1/10
	DELTA UP 116 bus coupling units, center position, single	Functions / GAMMA Building Controls	19/2	5WG1 116-2AB01		030 1
DELTA UP 116 bus coupling units, pushbutton position, single	dto.	19/2	5WG1 116-2AB21		030 1	
 5TG7 800	Rockers with window					
	• Titanium white (similar to RAL 9010)		5TG7 800		021	1/10
	• Pearl gray (similar to RAL 7035)		5TG7 840		021	1/10
	• Silver (similar to RAL 9006)		5TG7 920		021	1/10
	• Anthracite (similar to RAL 7016)		5TG7 820		021	1/10
	• Champagne (similar to RAL 7048)		5TG7 860-1		021	1/10
	• Bronze (similar to RAL 3012)		5TG7 900-1		021	1/10
	• Tobacco (similar to RAL 8019) discontinued model		5TG7 880-1		021	1/10
	Inserts	Section	Page			
	Switches with pilot lamp, for two-way switching	Functions / Switching/Push-button Control/Dimming	12/5	5TA2 108		021 1/10
	Pushbuttons, 1 NO contact, with separate neutral terminal	dto.	12/8	5TD2 116		021 1/10
	Pushbuttons, 1 CO contact, with separate neutral terminal	dto.	12/9	5TD2 117		021 1/10
	Pushbuttons, separate check-back indication	dto.	12/9	5TD2 114		021 1/10
	Universal switches	dto.	12/2	5TA2 156		021 1/10
	Intermediate switches	dto.	12/3	5TA2 117		021 1/10
	ON/OFF switches, 1-pole	dto.	12/3	5TA2 151		021 1/10
	Pushbuttons, 1 NO contact	dto.	12/7	5TD2 120		021 1/10
	Pushbuttons, 1 CO contact	dto.	12/8	5TD2 123		021 1/10
	Switches with pilot lamp, ON/OFF switching	dto.	12/5	5TA2 150		021 1/10
	DELTA UP 116 bus coupling units, center position, single	Functions / GAMMA Building Controls	19/2	5WG1 116-2AB01		030 1
	DELTA UP 116 bus coupling units, pushbutton position, single	dto.	19/2	5WG1 116-2AB21		030 1

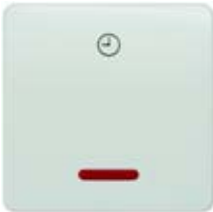
5TG7 801

5TG7 800

Switches and pushbuttons

Version	Order No.	Price	PG	PS*/ P. unit
		1 unit		Unit(s)
 5TG7 815	Rockers with labeling field and window			
	• Titanium white (similar to RAL 9010)	5TG7 815	021	1/10
	• Pearl gray (similar to RAL 7035)	5TG7 855	021	1/10
	• Silver (similar to RAL 9006)	5TG7 935	021	1/10
	• Anthracite (similar to RAL 7016)	5TG7 835	021	1/10
	Inserts	Section	Page	
	Switches with pilot lamp, for two-way switching	Functions / Switching/Push-button Control/Dimming	12/5	5TA2 108
	Pushbuttons, 1 NO contact, with separate neutral terminal	dto.	12/8	5TD2 116
	Pushbuttons, 1 CO contact, with separate neutral terminal	dto.	12/9	5TD2 117
	Pushbuttons, separate check-back indication	dto.	12/9	5TD2 114
	Universal switches	dto.	12/2	5TA2 156
	Intermediate switches	dto.	12/3	5TA2 117
	ON/OFF switches, 1-pole	dto.	12/3	5TA2 151
	Pushbuttons, 1 NO contact	dto.	12/7	5TD2 120
	Pushbuttons, 1 CO contact	dto.	12/8	5TD2 123
	Switches with pilot lamp, ON/OFF switching	dto.	12/5	5TA2 150
	DELTA UP 116 bus coupling units, center position, single	Functions / GAMMA Building Controls	19/2	5WG1 116-2AB01
	DELTA UP 116 bus coupling units, pushbutton position, single	dto.	19/2	5WG1 116-2AB21
	Note	Section	Page	
 5TG1 894	5TA2 150 switch with pilot lamp, for ON/OFF switching can be used as heating emergency switch. The required 5TG1 894 labeling field insert "Heating Emergency Switch" must be ordered separately, see ...	Accessories and spare parts	5/48	5TG1 894
	Note			
	Our free labeling tool can help you create individual labeling fields. Download at: http://www.siemens.de/beschriftungstool			
 5TG7 816	Rockers with labeling field			
	• Titanium white (similar to RAL 9010)	5TG7 816	021	1/10
	• Pearl gray (similar to RAL 7035)	5TG7 856	021	1/10
	• Silver (similar to RAL 9006)	5TG7 936	021	1/10
	• Anthracite (similar to RAL 7016)	5TG7 836	021	1/10
	• Champagne (similar to RAL 7048)	5TG7 876-1	021	1/10
	• Bronze (similar to RAL 3012)	5TG7 916-1	021	1/10
	• Tobacco (similar to RAL 8019) discontinued model	5TG7 896-1	021	1/10
	Inserts	Section	Page	
	Universal switches	Functions / Switching/Push-button Control/Dimming	12/2	5TA2 156
	Intermediate switches	dto.	12/3	5TA2 117
	ON/OFF switches, 1-pole	dto.	12/3	5TA2 151
	Pushbuttons, 1 NO contact	dto.	12/7	5TD2 120
	Pushbuttons, 1 CO contact	dto.	12/8	5TD2 123
	DELTA UP 116 bus coupling units, center position, single	Functions / GAMMA Building Controls	19/2	5WG1 116-2AB01
	DELTA UP 116 bus coupling units, pushbutton position, single	dto.	19/2	5WG1 116-2AB21
	Note			
	Our free labeling tool can help you create individual labeling fields. Download at: http://www.siemens.de/beschriftungstool			

Switches and pushbuttons

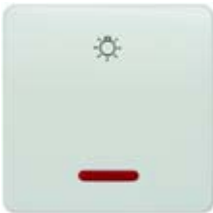
Version	Order No.	Price	PG	PS*/ P. unit
		1 unit		Unit(s)
 5TG7 802	Rockers with I/O symbols			
	• Titanium white (similar to RAL 9010)	5TG7 802	021	1/10
	• Pearl gray (similar to RAL 7035)	5TG7 842	021	1/10
	• Silver (similar to RAL 9006)	5TG7 922	021	1/10
	• Anthracite (similar to RAL 7016)	5TG7 822	021	1/10
	Inserts	Section	Page	
	ON/OFF switches, 2-pole, 10 AX	Functions / Switching/Pushbutton Control/Dimming	12/4	5TA2 112
	ON/OFF switches, 2-pole, 16 AX	dto.	12/4	5TA2 162
	ON/OFF switches, 3-pole, 16 A	dto.	12/4	5TA2 153
	DELTA UP 116 bus coupling units, center position, single	Functions / GAMMA Building Controls	19/2	5WG1 116-2AB01
 5TG7 812	Rockers with "Delay" symbol and window			
	• Titanium white (similar to RAL 9010)	5TG7 812	021	1/10
	• Pearl gray (similar to RAL 7035)	5TG7 852	021	1/10
	• Anthracite (similar to RAL 7016)	5TG7 832	021	1/10
	Inserts	Section	Page	
	Delay timers	Functions / Switching/Pushbutton Control/Dimming	12/6	5TT1 210
	DELTA UP 116 bus coupling units, pushbutton position, single	Functions / GAMMA Building Controls	19/2	5WG1 116-2AB21
 5TG7 811	Rockers with "Time" symbol and window			
	• Titanium white (similar to RAL 9010)	5TG7 811	021	1/10
	• Pearl gray (similar to RAL 7035)	5TG7 851	021	1/10
	• Anthracite (similar to RAL 7016)	5TG7 831	021	1/10
	Inserts	Section	Page	
	Timers	Functions / Switching/Pushbutton Control/Dimming	12/6	5TT1 200
	DELTA UP 116 bus coupling units, pushbutton position, single	Functions / GAMMA Building Controls	19/2	5WG1 116-2AB21
 5TG7 805	Rockers, double, neutral			
	• Titanium white (similar to RAL 9010)	5TG7 805	021	1/10
	• Pearl gray (similar to RAL 7035)	5TG7 845	021	1/10
	• Silver (similar to RAL 9006)	5TG7 925	021	1/10
	• Anthracite (similar to RAL 7016)	5TG7 825	021	1/10
	• Champagne (similar to RAL 7048)	5TG7 865-1	021	1/10
	• Bronze (similar to RAL 3012)	5TG7 905-1	021	1/10
	• Tobacco (similar to RAL 8019) discontinued model	5TG7 885-1	021	1/10
	Inserts	Section	Page	
	Double two-way switches	Functions / Switching/Pushbutton Control/Dimming	12/6	5TA2 118
	Two-circuit switches	dto.	12/7	5TA2 155
	Pushbuttons, double, 1 NO contact, 1 CO contact	dto.	12/9	5TD2 115
	Pushbuttons, double, 2 NO contacts	dto.	12/10	5TD2 111
	DELTA UP 116 bus coupling units, center position, double	Functions / GAMMA Building Controls	19/2	5WG1 116-2AB11
	DELTA UP 116 bus coupling units, pushbutton position, double	dto.	19/2	5WG1 116-2AB31

Switches and pushbuttons

Version	Order No.	Price	PG	PS*/ P. unit
		1 unit		Unit(s)
 5TG7 818	Rockers, double, with window			
	• Titanium white (similar to RAL 9010)	5TG7 818	021	1/10
	• Pearl gray (similar to RAL 7035)	5TG7 858	021	1/10
	• Silver (similar to RAL 9006)	5TG7 938	021	1/10
	• Anthracite (similar to RAL 7016)	5TG7 838	021	1/10
	Inserts	Section	Page	
	Two-circuit switches	Functions / Switching/ Pushbutton Control/ Dimming	12/7	5TA2 155
	Pushbuttons, double, 2 NO contacts	dto.	12/10	5TD2 111
	DELTA UP 116 bus coupling units, center position, double	Functions / GAMMA Building Controls	19/2	5WG1 116-2AB11
	DELTA UP 116 bus coupling units, pushbutton position, double	dto.	19/2	5WG1 116-2AB31
 5TG7 817	Rockers, double, with window and labeling field			
	• Titanium white (similar to RAL 9010)	5TG7 817	021	1/10
	• Pearl gray (similar to RAL 7035)	5TG7 857	021	1/10
	• Silver (similar to RAL 9006)	5TG7 937	021	1/10
	• Anthracite (similar to RAL 7016)	5TG7 837	021	1/10
	Inserts	Section	Page	
	Two-circuit switches	Functions / Switching/ Pushbutton Control/ Dimming	12/7	5TA2 155
	Pushbuttons, double, 2 NO contacts	dto.	12/10	5TD2 111
	DELTA UP 116 bus coupling units, center position, double	Functions / GAMMA Building Controls	19/2	5WG1 116-2AB11
	DELTA UP 116 bus coupling units, pushbutton position, double	dto.	19/2	5WG1 116-2AB31
 5TG7 962	Rockers, double, with I/O symbols			
	• Titanium white (similar to RAL 9010)	5TG7 962	021	1/10
	• Pearl gray (similar to RAL 7035)	5TG7 971	021	1/10
	• Silver (similar to RAL 9006)	5TG7 988	021	1/10
	• Anthracite (similar to RAL 7016)	5TG7 966	021	1/10
	Inserts	Section	Page	
	DELTA UP 116 bus coupling units, center position, double	Functions / GAMMA Building Controls	19/2	5WG1 116-2AB11

Note
Our free labeling tool can help you create individual labeling fields.
Download at:
<http://www.siemens.de/beschriftungstool>

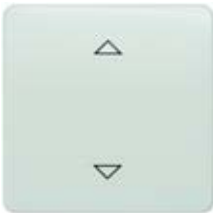
Switches and pushbuttons

Version	Order No.	Price	PG	PS*/ P. unit
		1 unit		Unit(s)
 5TG7 806	Rockers with "Light" symbol and window			
	• Titanium white (similar to RAL 9010)	5TG7 806	021	1/10
	• Pearl gray (similar to RAL 7035)	5TG7 846	021	1/10
	• Silver (similar to RAL 9006)	5TG7 926	021	1/10
	• Anthracite (similar to RAL 7016)	5TG7 826	021	1/10
	• Champagne (similar to RAL 7048)	5TG7 866-1	021	1/10
	• Bronze (similar to RAL 3012)	5TG7 906-1	021	1/10
	• Tobacco (similar to RAL 8019) discontinued model	5TG7 886-1	021	1/10
	Inserts	Section	Page	
	Universal switches	Functions / Switching/Push-button Control/Dimming	12/2	5TA2 156
	Intermediate switches	dto.	12/3	5TA2 117
	ON/OFF switches, 1-pole	dto.	12/3	5TA2 151
	Pushbuttons, 1 NO contact	dto.	12/7	5TD2 120
	Switches with pilot lamp, ON/OFF switching	dto.	12/5	5TA2 150
	Switches w. pilot lamp, two-way switching	dto.	12/5	5TA2 108
	Pushbuttons, 1 NO contact, with separate neutral terminal	dto.	12/8	5TD2 116
	Pushbuttons, 1 CO contact, with separate neutral terminal	dto.	12/9	5TD2 117
	Pushbuttons, separate check-back indication	dto.	12/9	5TD2 114
	DELTA UP 116 bus coupling units, pushbutton position, single	Functions / GAMMA Building Controls	19/2	5WG1 116-2AB21
 5TG7 807	Rockers with "Bell" symbol			
	• Titanium white (similar to RAL 9010)	5TG7 807	021	1/10
	• Pearl gray (similar to RAL 7035)	5TG7 847	021	1/10
	• Silver (similar to RAL 9006)	5TG7 927	021	1/10
	• Anthracite (similar to RAL 7016)	5TG7 827	021	1/10
	• Champagne (similar to RAL 7048)	5TG7 867-1	021	1/10
	• Bronze (similar to RAL 3012)	5TG7 907-1	021	1/10
	• Tobacco (similar to RAL 8019) discontinued model	5TG7 887-1	021	1/10
	Inserts	Section	Page	
	Pushbuttons, 1 NO contact	Functions / Switching/Push-button Control/Dimming	12/7	5TD2 120
 5TD2 120	Rockers with "Bell" symbol and labeling field Titanium white (similar to RAL 9010)	Inserts	Section	Page
		Pushbuttons, 1 NO contact	Functions / Switching/Push-button Control/Dimming	12/7
		Pushbuttons, 1 CO contact	dto.	12/8
		DELTA UP 116 bus coupling units, pushbutton position, single	Functions / GAMMA Building Controls	19/2
	Note Our free labeling tool can help you create individual labeling fields. Download at: http://www.siemens.de/beschriftungstool			
 5TG7 808	Rockers with "Door Opener" symbol			
	• Titanium white (similar to RAL 9010)	5TG7 808	021	1/10
	• Pearl gray (similar to RAL 7035)	5TG7 848	021	1/10
	• Silver (similar to RAL 9006)	5TG7 928	021	1/10
	• Anthracite (similar to RAL 7016)	5TG7 828	021	1/10
	Inserts	Section	Page	
	Pushbuttons, 1 NO contact	Functions / Switching/Push-button Control/Dimming	12/7	5TD2 120
	Pushbuttons, 1 CO contact	dto.	12/8	5TD2 123
	DELTA UP 116 bus coupling units, pushbutton position, single	Functions / GAMMA Building Controls	19/2	5WG1 116-2AB21

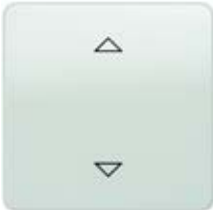
* You can order this quantity or a multiple thereof.

Shutter/blind controls

Selection and ordering data

Version		Order No.	Price	PG	PS*/ P. unit							
			1 unit		Unit(s)							
General information Size of rockers: 65 mm x 65 mm												
Note												
The color silver is identical to aluminum metallic (DELTA i-system)												
The color anthracite is identical to carbon metallic (DELTA i-system)												
	Rockers, double, with Up/Down symbols											
	• Titanium white (similar to RAL 9010)					5TG7 814						
	• Pearl gray (similar to RAL 7035)					5TG7 854						
	• Silver (similar to RAL 9006)					5TG7 934						
	• Anthracite (similar to RAL 7016)					5TG7 834						
	• Champagne (similar to RAL 7048)					5TG7 874-1						
	• Bronze (similar to RAL 3012)					5TG7 914-1						
	• Tobacco (similar to RAL 8019) discontinued model					5TG7 894-1						
	<table><tr><th>Inserts</th><th>Section</th><th>Page</th></tr><tr><td>Shutter/blind switches, with electrical and mechanical interlock</td><td>Functions / Shutter/blind controls</td><td>14/2</td></tr></table>					Inserts	Section	Page	Shutter/blind switches, with electrical and mechanical interlock	Functions / Shutter/blind controls	14/2	5TA2 154
	Inserts	Section				Page						
Shutter/blind switches, with electrical and mechanical interlock	Functions / Shutter/blind controls	14/2										
<table><tr><td>Shutter/blind pushbuttons, with electrical interlock</td><td>dto.</td><td>14/2</td></tr></table>		Shutter/blind pushbuttons, with electrical interlock	dto.	14/2	5TA2 114							
Shutter/blind pushbuttons, with electrical interlock	dto.	14/2										
<table><tr><td>DELTA UP 116 bus coupling units, pushbutton position, double</td><td>Functions / GAMMA Building Controls</td><td>19/2</td></tr></table>		DELTA UP 116 bus coupling units, pushbutton position, double	Functions / GAMMA Building Controls	19/2	5WG1 116-2AB31							
DELTA UP 116 bus coupling units, pushbutton position, double	Functions / GAMMA Building Controls	19/2										
	Rockers, double, with 2x Up/Down symbols											
	• Titanium white (similar to RAL 9010)					5TG7 961						
	• Pearl gray (similar to RAL 7035)					5TG7 970						
	• Silver (similar to RAL 9006)					5TG7 987						
	• Anthracite (similar to RAL 7016)					5TG7 965						
	<table><tr><th>Inserts</th><th>Section</th><th>Page</th></tr><tr><td>DELTA UP 116 bus coupling units, center position, double</td><td>Functions / GAMMA Building Controls</td><td>19/2</td></tr></table>					Inserts	Section	Page	DELTA UP 116 bus coupling units, center position, double	Functions / GAMMA Building Controls	19/2	5WG1 116-2AB11
Inserts	Section	Page										
DELTA UP 116 bus coupling units, center position, double	Functions / GAMMA Building Controls	19/2										
	Rockers, double, with I/O and Up/Down symbols											
	• Titanium white (similar to RAL 9010)					5TG7 813						
	• Pearl gray (similar to RAL 7035)					5TG7 853						
	• Silver (similar to RAL 9006)					5TG7 933						
	• Anthracite (similar to RAL 7016)					5TG7 833						
	<table><tr><th>Inserts</th><th>Section</th><th>Page</th></tr><tr><td>DELTA UP 116 bus coupling units, center position, double</td><td>Functions / GAMMA Building Controls</td><td>19/2</td></tr></table>					Inserts	Section	Page	DELTA UP 116 bus coupling units, center position, double	Functions / GAMMA Building Controls	19/2	5WG1 116-2AB11
Inserts	Section	Page										
DELTA UP 116 bus coupling units, center position, double	Functions / GAMMA Building Controls	19/2										
	Rockers with Up/Down symbols											
	• Titanium white (similar to RAL 9010)					5TG7 960						
	• Pearl gray (similar to RAL 7035)					5TG7 968						
	• Silver (similar to RAL 9006)					5TG7 986						
	• Anthracite (similar to RAL 7016)					5TG7 964						
	<table><tr><th>Inserts</th><th>Section</th><th>Page</th></tr><tr><td>DELTA UP 116 bus coupling units, center position, double</td><td>Functions / GAMMA Building Controls</td><td>19/2</td></tr></table>					Inserts	Section	Page	DELTA UP 116 bus coupling units, center position, double	Functions / GAMMA Building Controls	19/2	5WG1 116-2AB01
Inserts	Section	Page										
DELTA UP 116 bus coupling units, center position, double	Functions / GAMMA Building Controls	19/2										

Shutter/blind controls

Version		Order No.	Price	PG	PS*/ P. unit																																													
			1 unit		Unit(s)																																													
	Shutter/blind key-operated switches for master-key systems, with Up/Down symbols • 10 A, 250 V AC • Key can only be withdrawn in neutral position • 5TG4 225 profile semicylinder (see below) must be ordered separately • 1-pole (changeover contact with neutral position) • Titanium white (similar to RAL 9010) <table><tr><th colspan="3">Versions</th></tr><tr><td>• Momentary-contact and maintained-contact position to left and right</td><td>5TA7 682</td><td>021</td><td>1</td></tr><tr><td>• Maintained-contact position to left and right</td><td>5TA7 683</td><td>021</td><td>1</td></tr><tr><td>• Momentary-contact position to left and right</td><td>5TA7 684</td><td>021</td><td>1</td></tr><tr><th>Note</th><th>Section</th><th>Page</th></tr><tr><td>Technical Specifications, see ...</td><td>Technical Information / Shutter/Blind Controls / Shutter/blind key-operated switches, for master-key systems</td><td>20/46</td></tr></table>	Versions			• Momentary-contact and maintained-contact position to left and right	5TA7 682	021	1	• Maintained-contact position to left and right	5TA7 683	021	1	• Momentary-contact position to left and right	5TA7 684	021	1	Note	Section	Page	Technical Specifications, see ...	Technical Information / Shutter/Blind Controls / Shutter/blind key-operated switches, for master-key systems	20/46																												
Versions																																																		
• Momentary-contact and maintained-contact position to left and right	5TA7 682	021	1																																															
• Maintained-contact position to left and right	5TA7 683	021	1																																															
• Momentary-contact position to left and right	5TA7 684	021	1																																															
Note	Section	Page																																																
Technical Specifications, see ...	Technical Information / Shutter/Blind Controls / Shutter/blind key-operated switches, for master-key systems	20/46																																																
	Profile semicylinders for "shutter/blind key-operated switches for master-key systems" • CES product • With three keys of • Identical key type	5TG4 225		021	1/10																																													
	Shutter/blind sys pushbuttons <table><tr><td>• Titanium white (similar to RAL 9010)</td><td>5TC1 330</td><td>024</td><td>1</td></tr><tr><td>• Pearl gray (similar to RAL 7035)</td><td>5TC1 331</td><td>024</td><td>1</td></tr><tr><td>• Silver (similar to RAL 9006)</td><td>5TC1 333</td><td>024</td><td>1</td></tr><tr><td>• Anthracite (similar to RAL 7016)</td><td>5TC1 332</td><td>024</td><td>1</td></tr><tr><td>• Champagne (similar to RAL 7048)</td><td>5TC1 334</td><td>024</td><td>1</td></tr><tr><td>• Bronze (similar to RAL 3012)</td><td>5TC1 335</td><td>024</td><td>1</td></tr><tr><td>• Tobacco (similar to RAL 8019) discontinued model</td><td>5TC1 336</td><td>024</td><td>1</td></tr><tr><th>Inserts</th><th>Section</th><th>Page</th></tr><tr><td>Shutter/blind control sys inserts</td><td>Functions / Shutter/blind controls</td><td>14/3</td></tr><tr><th>Note</th><th>Section</th><th>Page</th></tr><tr><td>Cutout frames must be ordered separately, see ...</td><td>Frames</td><td>5/9</td></tr><tr><td>For a more detailed explanation of the shutter/blind sys pushbutton, see ...</td><td>Design / DELTA i-system / Shutter/Blind Controls</td><td>1/15</td></tr><tr><td>Technical Specifications, see ...</td><td>Technical Information / Shutter/Blind Controls / Shutter/blind sys pushbuttons</td><td>20/47</td></tr></table>	• Titanium white (similar to RAL 9010)	5TC1 330	024	1	• Pearl gray (similar to RAL 7035)	5TC1 331	024	1	• Silver (similar to RAL 9006)	5TC1 333	024	1	• Anthracite (similar to RAL 7016)	5TC1 332	024	1	• Champagne (similar to RAL 7048)	5TC1 334	024	1	• Bronze (similar to RAL 3012)	5TC1 335	024	1	• Tobacco (similar to RAL 8019) discontinued model	5TC1 336	024	1	Inserts	Section	Page	Shutter/blind control sys inserts	Functions / Shutter/blind controls	14/3	Note	Section	Page	Cutout frames must be ordered separately, see ...	Frames	5/9	For a more detailed explanation of the shutter/blind sys pushbutton, see ...	Design / DELTA i-system / Shutter/Blind Controls	1/15	Technical Specifications, see ...	Technical Information / Shutter/Blind Controls / Shutter/blind sys pushbuttons	20/47			
• Titanium white (similar to RAL 9010)	5TC1 330	024	1																																															
• Pearl gray (similar to RAL 7035)	5TC1 331	024	1																																															
• Silver (similar to RAL 9006)	5TC1 333	024	1																																															
• Anthracite (similar to RAL 7016)	5TC1 332	024	1																																															
• Champagne (similar to RAL 7048)	5TC1 334	024	1																																															
• Bronze (similar to RAL 3012)	5TC1 335	024	1																																															
• Tobacco (similar to RAL 8019) discontinued model	5TC1 336	024	1																																															
Inserts	Section	Page																																																
Shutter/blind control sys inserts	Functions / Shutter/blind controls	14/3																																																
Note	Section	Page																																																
Cutout frames must be ordered separately, see ...	Frames	5/9																																																
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Technical Specifications, see ...	Technical Information / Shutter/Blind Controls / Shutter/blind sys pushbuttons	20/47																																																
	UP 211 wave shutter/blind pushbuttons <table><tr><td>• Titanium white (similar to RAL 9010)</td><td>5WG3 211-2AB11</td><td>030</td><td>1</td></tr><tr><td>• Pearl gray (similar to RAL 7035)</td><td>5WG3 211-2AB01</td><td>030</td><td>1</td></tr><tr><td>• Silver (similar to RAL 9006)</td><td>5WG3 211-2AB71</td><td>030</td><td>1</td></tr><tr><td>• Anthracite (similar to RAL 7016)</td><td>5WG3 211-2AB21</td><td>030</td><td>1</td></tr><tr><th>Inserts</th><th>Section</th><th>Page</th></tr><tr><td>Shutter/blind control sys inserts</td><td>Functions / Shutter/blind controls</td><td>14/3</td></tr><tr><th>Note</th><th>Section</th><th>Page</th></tr><tr><td>Cutout frames must be ordered separately, see ...</td><td>Frames</td><td>5/9</td></tr><tr><td>For a more detailed explanation of the UP 211 wave shutter/blind pushbutton, see ...</td><td>Functions / Remote Control Systems</td><td>17/2</td></tr></table>	• Titanium white (similar to RAL 9010)	5WG3 211-2AB11	030	1	• Pearl gray (similar to RAL 7035)	5WG3 211-2AB01	030	1	• Silver (similar to RAL 9006)	5WG3 211-2AB71	030	1	• Anthracite (similar to RAL 7016)	5WG3 211-2AB21	030	1	Inserts	Section	Page	Shutter/blind control sys inserts	Functions / Shutter/blind controls	14/3	Note	Section	Page	Cutout frames must be ordered separately, see ...	Frames	5/9	For a more detailed explanation of the UP 211 wave shutter/blind pushbutton, see ...	Functions / Remote Control Systems	17/2																		
• Titanium white (similar to RAL 9010)	5WG3 211-2AB11	030	1																																															
• Pearl gray (similar to RAL 7035)	5WG3 211-2AB01	030	1																																															
• Silver (similar to RAL 9006)	5WG3 211-2AB71	030	1																																															
• Anthracite (similar to RAL 7016)	5WG3 211-2AB21	030	1																																															
Inserts	Section	Page																																																
Shutter/blind control sys inserts	Functions / Shutter/blind controls	14/3																																																
Note	Section	Page																																																
Cutout frames must be ordered separately, see ...	Frames	5/9																																																
For a more detailed explanation of the UP 211 wave shutter/blind pushbutton, see ...	Functions / Remote Control Systems	17/2																																																

Shutter/blind controls

Version		Order No.	Price	PG	PS*/ P. unit	
			1 unit		Unit(s)	
 5TA7 660	Shutter/blind knob-operated switches with Up/Down symbols					
	• 10 A, 250 V AC • Momentary-contact and maintained-contact position to left and right and neutral position • Changeover contact with neutral position • Titanium white (similar to RAL 9010)					
	Versions					
	• 1-pole		5TA7 660	021	1	
	• 2-pole		5TA7 661	021	1	
Note		Section	Page			
Technical Specifications, see ...		Technical Information / Shutter/Blind Controls / Shutter/blind knob-operated switches	20/45			
Intermediate frames, 55 mm x 55 mm, titanium white (similar to RAL 9010), must be ordered separately:		Frames	5/10	5TG1 893	021 1/10	
 5TC1 520	Shutter/blind controls, in DELTA i-system design					
	• For controlling a blind or shutter motor with mechanical or electronic limit switches • Operation is by means of 4 control buttons					
	Versions					
	• Titanium white (similar to RAL 9010)		5TC1 520	024	1	
	• Pearl gray (similar to RAL 7035) 		5TC1 552	024	1	
	• Silver or aluminum metallic (similar to RAL 9006)		5TC1 522	024	1	
	• Anthracite or carbon metallic (similar to RAL 7016)		5TC1 524	024	1	
	• Champagne (similar to RAL 7048) 		5TC1 553	024	1	
	• Bronze (similar to RAL 3012) 		5TC1 554	024	1	
	Note		Section	Page		
	Cutout frames must be ordered separately, see ...		Frames	5/9		
	The following intermediate frames, 55 mm x 55 mm, must be ordered separately:					
	• Titanium white (similar to RAL 9010) Frames		5/10	5TG1 893	021	1/10
	• Pearl gray (similar to RAL 7035)  dto.		5/10	5TG1 885	021	1/10
	• Silver or aluminum metallic (similar to RAL 9006) dto.		5/10	5TG1 762	021	1/10
	• Anthracite or carbon metallic (similar to RAL 7016) dto.		5/10	5TG1 835	021	1/10
	• Champagne (similar to RAL 7048)  dto.		5/10	5TG1 705-1	021	1/10
• Bronze (similar to RAL 3012)  dto.		5/10	5TG1 745-1	021	1/10	
Product features						
Flush-mounting device without an extension unit input						
230 V AC, 50 Hz (N conductor required)						
For screw and claw fixing						
Type of connection: screw-type terminals						
2 relays which are interlocked against each other with a minimum switchover time of approx. 1 s						
Bridging of voltage interruptions < 0.2 s						
Connected load max. 1 motor up to 1000 W						
Pulse duration: approx. 2 min						
Accuracy: ± 1 min per month						
Reserve power: > 6 h						
Switching times: max. 4 (in 2 blocks: Mo ... Fr / Sa ... Su)						
Factory preset switching times for faster commissioning						
Possible reset to factory settings						
Manual operation possible at any time						

Shutter/blind controls

Version	Order No.	Price	PG	PS*/ P. unit
		1 unit		Unit(s)
 5TC1 521	Comfort shutter/blind controls, in DELTA i-system design • For controlling a blind or shutter motor with mechanical or electronic limit switches • With comprehensive functionality (see the product features) • Menu-controlled operation by means of 4 control buttons			
	Versions			
	• Titanium white (similar to RAL 9010)	5TC1 521	024	1
	• Pearl gray (similar to RAL 7035) 	5TC1 556	024	1
	• Silver or aluminum metallic (similar to RAL 9006)	5TC1 523	024	1
	• Anthracite or carbon metallic (similar to RAL 7016)	5TC1 525	024	1
	• Champagne (similar to RAL 7048) 	5TC1 557	024	1
	• Bronze (similar to RAL 3012) 	5TC1 558	024	1
	Note	Section	Page	
	The <i>sun sensor</i> must be ordered separately, see ...	<i>Accessories and spare parts</i>	5/48	5TC1 526
	Cutout frames must be ordered separately, see ...	<i>Frames</i>	5/9	
	The following <i>intermediate frames</i> , 55 x 55 mm, must be ordered separately:			
	• Titanium white (similar to RAL 9010) <i>Frames</i>	5/10	5TG1 893	021 1/10
	• Pearl gray (similar to RAL 7035)  <i>dto.</i>	5/10	5TG1 885	021 1/10
	• Silver or aluminum metallic (similar to RAL 9006) <i>dto.</i>	5/10	5TG1 762	021 1/10
	• Anthracite or carbon metallic (similar to RAL 7016) <i>dto.</i>	5/10	5TG1 835	021 1/10
	• Champagne (similar to RAL 7048)  <i>dto.</i>	5/10	5TG1 705-1	021 1/10
	• Bronze (similar to RAL 3012)  <i>dto.</i>	5/10	5TG1 745-1	021 1/10
	Product features			
	Flush-mounting device without an extension unit input			
	230 V AC, 50 Hz (N conductor required)			
	For screw and claw fixing			
	Type of connection: screw-type terminals			
	2 relays which are interlocked against each other with a minimum switchover time of approx. 1 sec			
	Bridging of voltage interruptions < 0.2 s			
	Connected load max. 1 motor up to 1000 W			
	Pulse duration: 2 min factory setting, may be programmed to extend up to 12 min			
	Accuracy: ± 1 min per month			
	Reserve power: approx. 24 h			
	Switching times: max. 18 (can be split up in three memories)			
	Factory preset switching times for faster commissioning			
	Possible reset to factory settings			
	Random generator ± 15 min			
	Astro program (can be delayed by ± 1 h 59 min)			
	Easy changeover from summer to winter time			
	Twilight and sun protection function is possible with an optional sun sensor			
	The random and astro functions can be combined			
	Manual operation possible at any time			

Shutter/blind controls

Version	Order No.	Price	PG	PS*/ P. unit						
		1 unit		Unit(s)						
 5TC1 270 Shutter/blind control flush-mounting isolating relays • Double, with individual control • Relay for the control of several shutters or blinds • Two motors can be controlled per isolating relay, even if further isolating relays are connected downstream • Option for individual control of connected motors over blind pushbutton (e.g. 5TA2 114) • The isolating relay should be installed in a surface-mounting or flush-mounting box (flush-mounting box from 70 mm Ø or surface-mounting boxes from 100 mm x 100 mm) • Only for in-phase operation • 8 A (AC1) or 3 A (ind.), 230 V AC, 50 Hz • 58 mm x 59 mm x 22 mm <table><tr><th>Note</th><th>Section</th><th>Page</th></tr><tr><td>Technical Specifications, see ...</td><td><i>Technical Information / Shutter/Blind Controls / flush-mounting isolating relays for shutter/blind control</i></td><td>20/55</td></tr></table> <td>5TC1 270</td> <td></td> <td>024</td> <td>1</td>	Note	Section	Page	Technical Specifications, see ...	<i>Technical Information / Shutter/Blind Controls / flush-mounting isolating relays for shutter/blind control</i>	20/55	5TC1 270		024	1
Note	Section	Page								
Technical Specifications, see ...	<i>Technical Information / Shutter/Blind Controls / flush-mounting isolating relays for shutter/blind control</i>	20/55								
 5TC1 271 Shutter/blind control flush-mounting isolating relays, compact • Relay for the control of several shutters or blinds • A maximum of two motors can be connected per compact isolating relay, whereby the drive connected to the marked motor terminals can also be individually controlled over a blind pushbutton • If cascaded, a motor can be connected to each compact isolating relay, which can also be individually controlled over a blind pushbutton • The isolating relay should be installed in a surface-mounting or flush-mounting box (flush-mounting box from 60 mm Ø, 40 mm deep or surface-mounting boxes from 75 mm x 75 mm) • Only for in-phase operation • 8 A (AC1) or 3 A (ind.), 230 V AC, 50 Hz • 50 mm x 53 mm x 22 mm <table><tr><th>Note</th><th>Section</th><th>Page</th></tr><tr><td>Technical Specifications, see ...</td><td><i>Technical Information / Shutter/Blind Controls / Compact flush-mounting isolating relays for shutter/blind control</i></td><td>20/56</td></tr></table> <td>5TC1 271</td> <td></td> <td>024</td> <td>1</td>	Note	Section	Page	Technical Specifications, see ...	<i>Technical Information / Shutter/Blind Controls / Compact flush-mounting isolating relays for shutter/blind control</i>	20/56	5TC1 271		024	1
Note	Section	Page								
Technical Specifications, see ...	<i>Technical Information / Shutter/Blind Controls / Compact flush-mounting isolating relays for shutter/blind control</i>	20/56								

Socket outlets

Version		Order No.	Price	PG	PS*/ P. unit
			1 unit		Unit(s)
	SCHUKO socket outlets with labeling field				
	• Titanium white (similar to RAL 9010)	5UB1 407		021	1/10
	• Pearl gray (similar to RAL 7035)	5UB1 427		021	1/10
	• Green (similar to RAL 6018) (SV) ¹⁾	on request			ALNr
	• Orange (similar to RAL 2004) (ZSV) ²⁾	on request			ALNr
	• Red (similar to RAL 3003) (WSV) ³⁾	5UB1 476		021	1/10
	Note	Section	Page		
	Label sheets for marking the inserts, see ...	Accessories and spare parts	5/48		
	Note				
	Our free labeling tool can help you create individual labeling fields. Download at: http://www.siemens.de/beschriftungstool				
	Footnote				
	¹⁾ SV: safety power supply (AEV).				
	²⁾ ZSV: additional safety power supply (BEV).				
	³⁾ WSV: other safety power supply (BEV)				
	SCHUKO socket outlets, with status display and labeling field				
	• Titanium white (similar to RAL 9010)	5UB1 472		021	1/10
	• Pearl gray (similar to RAL 7035)	5UB1 473		021	1/10
	• Green (similar to RAL 6018) (SV) ¹⁾	5UB1 474		021	1/10
	• Orange (similar to RAL 2004) (ZSV) ²⁾	5UB1 475		021	1/10
	Note	Section	Page		
	Label sheets for marking the inserts, see ...	Accessories and spare parts	5/48		
	5TG7 304 spare glow lamp, see ...	Accessories and spare parts	5/49		
	Technical Specifications, see ...	Technical Information / Socket Outlets/ SCHUKO socket outlets, with status display	20/11		
	Note				
	Our free labeling tool can help you create individual labeling fields. Download at: http://www.siemens.de/beschriftungstool				
	Footnote				
	¹⁾ SV: safety power supply (AEV).				
	²⁾ ZSV: additional safety power supply (BEV).				
	Status display conversion kit				
	• For SCHUKO socket outlets				
	• 1 set contains a glow lamp and cover plate				
	• With window and labeling field				
	Versions				
	• Titanium white (similar to RAL 9010)	5UH1 320	1 set	021	1 set/ 5 sets
	• Pearl gray (similar to RAL 7035)	5UH1 321	1 set	021	1 set/ 5 sets
	Note	Section	Page		
	Technical Specifications, see ...	Technical Information / Socket Outlets/ SCHUKO socket outlets, with status display	20/11		
	Note				
	Caution: This cover is only suitable as a substitute for the SCHUKO socket outlets with green touch-protected cover.				
	Our free labeling tool can help you create individual labeling fields. Download at: http://www.siemens.de/beschriftungstool				

Socket outlets

Version	Order No.	Price 1 unit	PG	PS*/ P. unit Unit(s)
 5UB1 486	SCHUKO socket outlets with overvoltage protection, function indicators and labeling field			
	• Titanium white (similar to RAL 9010)	5UB1 486	021	1
	• Pearl gray (similar to RAL 7035)	5UB1 487	021	1
	• Silver (similar to RAL 9006)	5UB1 460	021	1
	• Anthracite (similar to RAL 7016)	5UB1 488	021	1
	• Champagne (similar to RAL 7048)	5UB1 430-1	021	1
	• Bronze (similar to RAL 3012)	5UB1 450-1	021	1
	• Tobacco (similar to RAL 8019) <i>discontinued model</i>	5UB1 440-1	021	1
	Note	Section	Page	
	5UH1 300 spare overvoltage protection modules, see ...	Accessories and spare parts	5/49	5UH1 300
	Technical Specifications, see ...	Technical Information / Socket outlets / SCHUKO socket outlets with overvoltage protection	20/11	
 5UH1 350 (cover plate)	Conversion kits, overvoltage protection			
	• For SCHUKO socket outlets			
	• 1 set contains overvoltage protection module and cover plate			
	• With window and labeling field			
	Versions			
	• Titanium white (similar to RAL 9010)	5UH1 350	1 set	021 1 set
	• Silver (similar to RAL 9006)	5UH1 355	1 set	021 1 set
	• Anthracite (similar to RAL 7016)	5UH1 356	1 set	021 1 set
	Note	Section	Page	
	Technical Specifications, see ...	Technical Information / Socket outlets / SCHUKO socket outlets with overvoltage protection	20/11	
 5UB1 405	SCHUKO socket outlets with increased protection against contact			
	• Titanium white (similar to RAL 9010)	5UB1 405	021	1/10
	• Pearl gray (similar to RAL 7035)	5UB1 425	021	1/10
	• Silver (similar to RAL 9006)	5UB1 468	021	1/10
	• Anthracite (similar to RAL 7016)	5UB1 415	021	1/10
	• Champagne (similar to RAL 7048)	5UB1 435-1	021	1/10
	• Bronze (similar to RAL 3012)	5UB1 455-1	021	1/10
	• Tobacco (similar to RAL 8019) <i>discontinued model</i>	5UB1 445-1	021	1/10
	Note			
	Caution: This cover, complete with overvoltage protection module, is only suitable as a substitute for the SCHUKO socket outlets with green touch-protected cover.			
 5UB1 465	SCHUKO socket outlets with increased protection against contact and black bezel			
	Silver (similar to RAL 9006)	5UB1 465	021	1/10
 5UB1 404	SCHUKO socket outlets with hinged lid			
	• Titanium white (similar to RAL 9010)	5UB1 404	021	1/10
	• Pearl gray (similar to RAL 7035)	5UB1 424	021	1/10
	• Silver (similar to RAL 9006)	5UB1 464	021	1/10
	• Anthracite (similar to RAL 7016)	5UB1 414	021	1/10
	• Champagne (similar to RAL 7048)	5UB1 434-1	021	1/10
	• Bronze (similar to RAL 3012)	5UB1 454-1	021	1/10
	• Tobacco (similar to RAL 8019) <i>discontinued model</i>	5UB1 444-1	021	1/10
	Note			
	Caution: This cover, complete with overvoltage protection module, is only suitable as a substitute for the SCHUKO socket outlets with green touch-protected cover.			

* You can order this quantity or a multiple thereof.

Socket outlets

Version	Order No.	Price	PG	PS*/ P. unit															
		1 unit		Unit(s)															
 5SZ9 211	SCHUKO socket outlets with residual current protection • 16 A, 230 V AC • 45 ... 60 Hz • With integrated residual current operated circuit-breaker for increased protection level • With increased protection against contact • For screw fixing (without claws) • Single frame included in delivery • In titanium white (similar to RAL 9010) <table><tr><th colspan="3">Versions</th></tr><tr><td>• Rated residual current 10 mA</td><td>5SZ9 211</td><td>008 1</td></tr><tr><td>• Rated residual current 30 mA</td><td>5SZ9 212</td><td>008 1</td></tr></table><table><tr><th>Note</th><th>Section</th><th>Page</th></tr><tr><td>Technical Specifications, see ...</td><td><i>Technical Information / Socket outlets / SCHUKO socket outlets with residual-current protection</i></td><td>20/12</td></tr></table>	Versions			• Rated residual current 10 mA	5SZ9 211	008 1	• Rated residual current 30 mA	5SZ9 212	008 1	Note	Section	Page	Technical Specifications, see ...	<i>Technical Information / Socket outlets / SCHUKO socket outlets with residual-current protection</i>	20/12			
Versions																			
• Rated residual current 10 mA	5SZ9 211	008 1																	
• Rated residual current 30 mA	5SZ9 212	008 1																	
Note	Section	Page																	
Technical Specifications, see ...	<i>Technical Information / Socket outlets / SCHUKO socket outlets with residual-current protection</i>	20/12																	
 5UB6 207	SCHUKO socket outlets, 80 mm x 80 mm, with universal switch • For ON/OFF and two-way switching • With screw-type terminals • Switch 10 A, 250 V AC • White (RAL 9010) • Complete assembly, therefore no additional frame necessary • Similar design to DELTA profil	5UB6 207	021	1															
 5TG1 820	Cover plates with hinged lid • For conversion of SCHUKO socket outlets • 65 mm x 65 mm <table><tr><th colspan="3">Versions</th></tr><tr><td>• Titanium white (similar to RAL 9010)</td><td>5TG1 820</td><td>021 1/10</td></tr><tr><td>• Pearl gray (similar to RAL 7035)</td><td>5TG1 880</td><td>021 1/10</td></tr><tr><td>• Anthracite (similar to RAL 7016)</td><td>5TG1 850</td><td>021 1/10</td></tr></table> Note Caution: This cover is only suitable as a substitute for the SCHUKO socket outlets with green touch-protected cover.	Versions			• Titanium white (similar to RAL 9010)	5TG1 820	021 1/10	• Pearl gray (similar to RAL 7035)	5TG1 880	021 1/10	• Anthracite (similar to RAL 7016)	5TG1 850	021 1/10						
Versions																			
• Titanium white (similar to RAL 9010)	5TG1 820	021 1/10																	
• Pearl gray (similar to RAL 7035)	5TG1 880	021 1/10																	
• Anthracite (similar to RAL 7016)	5TG1 850	021 1/10																	
 5UA6 701	Shaver socket outlets • 20 VA, ~230 V, 50/60 Hz • 80 mm x 80 mm • Titanium white (similar to RAL 9010) <table><tr><th>Note</th><th>Section</th><th>Page</th></tr><tr><td>Technical Specifications, see ...</td><td><i>Technical Information / International Plug-and-Socket Devices / Shaver socket outlets</i></td><td>20/64</td></tr></table>	Note	Section	Page	Technical Specifications, see ...	<i>Technical Information / International Plug-and-Socket Devices / Shaver socket outlets</i>	20/64	5UA6 701	021	1									
Note	Section	Page																	
Technical Specifications, see ...	<i>Technical Information / International Plug-and-Socket Devices / Shaver socket outlets</i>	20/64																	
 5UH1 111	Molded-plastic wall enclosures, for "shaver socket outlet" 80 mm x 80 mm x 62 mm	5UH1 111	021	1															
 5UH1 112	Sealing rings for "molded-plastic wall enclosure" 85 mm x 85 mm	5UH1 112	021	1/10															

* You can order this quantity or a multiple thereof.

Socket outlets

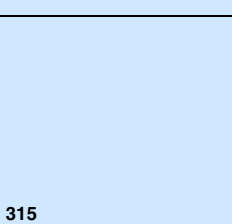
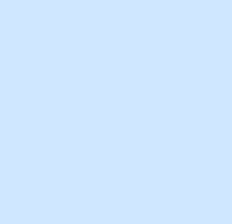
Version		Order No.	Price	PG	PS*/ P. unit
			1 unit		Unit(s)
	SCHUKO socket outlets with hinged lid made of die-cast aluminum • IP41 drip-proof • Base made of thermosetting plastic with two cable entries M20 • 95 mm x 95 mm x 56 mm • Light gray (RAL 7035)	5UB4 650		021	1

5UB4 650

* You can order this quantity or a multiple thereof.

International plug-and-socket devices

Selection and ordering data

	Version	Order No.	Price	PG	PS*/ P. unit
			1 unit		Unit(s)
	General information • For screw and claw fixing • Screw connection • Size of cover plates: 65 mm x 65 mm Note The color anthracite is identical to carbon metallic (DELTA i-system)				
	Socket outlets with grounding pin and increased protection against contact • 16 A, 250 V AC • 2-pole according to CEE7 • French/Belgian standard • With anti-slip terminals, up to 4 x 2.5 mm² Versions • Titanium white (similar to RAL 9010) • Pearl gray (similar to RAL 7035)	5UB1 315 5UB1 316		021 021	1/10 1/10
	Socket outlets according to American standard C 73 15 A, 125 V AC • Titanium white (similar to RAL 9010) • Pearl gray (similar to RAL 7035) • Anthracite (similar to RAL 7016)	5UB1 311 5UB1 313 5UB1 312		021 021 021	1/10 1/10 1/10
	Socket outlets with grounding pin • 16 A, 250 V AC • 2-pole according to CEE7 • French/Belgian standard • With anti-slip terminals, up to 4 x 2.5 mm² Versions • Titanium white (similar to RAL 9010) • Pearl gray (similar to RAL 7035) • Anthracite (similar to RAL 7016)	5UB1 408 5UB1 428 5UB1 418		021 021 021	1/10 1/10 1/10
	SCHUKO double socket outlets, DATA • 94 mm x 80 mm • With increased protection against contact • 16 A, 250 V AC • For device box with 60 mm Ø • Screwless terminals • Titanium white (similar to RAL 9010) Note Can only be used with the corresponding SCHUKO plugs.	5UB2 210-5A		021	1

Selection and ordering data

Version	Order No.	Price	PG	PS*/ P. unit
		1 unit		Unit(s)
General information				
Size of cover plates: 65 mm x 65 mm				
Note				
The color silver is identical to aluminum metallic (DELTA i-system)				
The color anthracite is identical to carbon metallic (DELTA i-system)				

Rotary dimmers



5TC8 904

Cover plates with rotary button, for dimmers

• Titanium white (similar to RAL 9010)	5TC8 904	024	1/10
• Pearl gray (similar to RAL 7035)	5TC8 905	024	1/10
• Silver (similar to RAL 9006)	5TC8 906	024	1/10
• Anthracite (similar to RAL 7016)	5TC8 907	024	1/10
• Champagne (similar to RAL 7048)	5TC8 908	024	1/10
• Bronze (similar to RAL 3012)	5TC8 910	024	1/10
• Tobacco (similar to RAL 8019) discontinued model	5TC8 911	024	1/10

Symbol	Inserts	Section	Page
	Incandescent lamp dimmers, 50 ... 400 W	Functions / Switch- ing/Pushbutton Con- trol/Dimming	12/10
	Incandescent lamp dimmers, 50 ... 600 W, for two-way switching	dto.	12/11
	Low-voltage dimmers, for magnetic transformers, 50 ... 600 W,	dto.	12/11
	25 ... 500 W, for two-way switching		
	Low-voltage dimmers, for electronic transformers, 20 ... 600 W,	dto.	12/12
	20 ... 525 W, for two-way switching		
	Low-voltage dimmers, for electronic transformers, 60 ... 800 W,	dto.	12/12
	60 ... 800 W, for two-way switching		
	Electronic potentiometers, switch	dto.	12/14
	Electronic potentiometer, pushbutton	dto.	12/15

Lighting controls

Version	Order No.	Price	PG	PS*/ P. unit
		1 unit		Unit(s)
Sensor dimmers				
 5TG8 356	Cover plates with sensor area			
	• Titanium white (similar to RAL 9010)	5TG8 356	024	1/10
	• Pearl gray (similar to RAL 7035)	5TG8 358	024	1/10
	• Silver (similar to RAL 9006)	5TG8 391	024	1/10
	• Anthracite (similar to RAL 7016)	5TG8 357	024	1/10
	• Champagne (similar to RAL 7048)	5TG8 384-1	024	1/10
	• Bronze (similar to RAL 3012)	5TG8 388-1	024	1/10
	• Tobacco (similar to RAL 8019) <i>discontinued model</i>	5TG8 386-1	024	1/10
	Symbol	Power	Inserts	Section
			<i>Sensor dimmers</i>	
		20 ... 400 W	• Without memory function	Functions / Switching/ Pushbutton Control/Dimming
		20 ... 300 VA	• With memory function	dto.
Touch dimmers				
 5TC1 310	sys pushbuttons			
	• Titanium white (similar to RAL 9010)	5TC1 310	024	1
	• Pearl gray (similar to RAL 7035)	5TC1 311	024	1
	• Silver (similar to RAL 9006)	5TC1 313	024	1
	• Anthracite (similar to RAL 7016)	5TC1 312	024	1
	• Champagne (similar to RAL 7048)	5TC1 314	024	1
	• Bronze (similar to RAL 3012)	5TC1 315	024	1
	• Tobacco (similar to RAL 8019) <i>discontinued model</i>	5TC1 316	024	1
	Symbol	Power	Inserts	Section
			<i>Universal dimmer sys inserts</i>	Functions / Switching/ Pushbutton Control/Dimming
		50 ... 420 W		
		50 ... 420 VA		
		70 ... 420 VA		
Note		Section	Page	
Cutout frames must be ordered separately, see ...		Frames	5/9	
For a more detailed explanation of the sys pushbutton, see ...		Functions / Remote Control Systems	17/2	
Technical Specifications, see ...		Technical Information / Dimmers / sys pushbuttons	20/15	

Lighting controls

Version	Order No.	Price	PG	PS*/ P. unit	
		1 unit		Unit(s)	
Touch dimmers with radio control					
 5WG3 210-2AB11	UP 210 wave pushbuttons				
	• Titanium white (similar to RAL 9010)		5WG3 210-2AB11	030 1	
	• Pearl gray (similar to RAL 7035)		5WG3 210-2AB01	030 1	
	• Silver (similar to RAL 9006)		5WG3 210-2AB71	030 1	
	• Anthracite (similar to RAL 7016)		5WG3 210-2AB21	030 1	
	Symbol	Power	Inserts	Section	Page
			Universal dimmer sys inserts	Functions / Switching/Pushbutton Control/Dimming	20/16
		50 ... 420 W			
		50 ... 420 VA			
		70 ... 420 VA			
	Note	Section		Page	
	Cutout frames must be ordered separately, see ...		Frames	5/9	
	For a more detailed explanation of the UP 210 wave pushbutton, see ...		Functions / Remote Control Systems	17/2	
Touch switches with radio control					
 5WG3 210-2AB11	UP 210 wave pushbuttons				
	• Titanium white (similar to RAL 9010)		5WG3 210-2AB11	030 1	
	• Pearl gray (similar to RAL 7035)		5WG3 210-2AB01	030 1	
	• Silver (similar to RAL 9006)		5WG3 210-2AB71	030 1	
	• Anthracite (similar to RAL 7016)		5WG3 210-2AB21	030 1	
	Power	Inserts	Section	Page	
	25 ... 250 VA	sys switching inserts, 25 ... 250 VA	dto.	12/15	
	15 ... 500 VA	sys switching inserts, 15 ... 500 VA	dto.	12/16	
	Note	Section		Page	
	Cutout frames must be ordered separately, see ...		Frames	5/9	
	For a more detailed explanation of the UP 210 wave pushbutton, see ...		Functions / Remote Control Systems	17/2	
	Speed regulating rheostats				
	 5TC8 926	Cover plates for speed regulating rheostats			5TC8 926
Titanium white (similar to RAL 9010)					
Symbol		Inserts	Section	Page	
		Speed regulating rheostats, 0.1 to 2.6 A	Functions / Switching/Pushbutton Control/Dimming	12/16	
				5TC8 604	024 1

Motion detectors

Selection and ordering data

Version	Order No.	Price	PG	PS*/ P. unit																																													
		1 unit		Unit(s)																																													
General information • Size of tops: 55 mm x 55 mm • Degree of protection: IP20																																																	
Motion detector tops, in DELTA i-system design • The motion detector top responds to heat motions and initiates a switching operation • The lighting remains switched on as long as the motion detector top detects movement, otherwise it is switched off after the fixed delay time of approx. 2 min • The lighting is only switched on again after a locking time of 3 sec • Depending on technical requirements (relay, triac or extension unit insert), the motion detector top is operated in combination with a motion detector insert which must be ordered separately • The sensing range can be extended if combined with a motion detector extension unit insert • 2 different versions are available, depending on the required assembly height (1.10 or 2.20 m) • Thanks to their modular design, tops and inserts can be freely combined • The sensing range of a center unit can be extended by connecting a maximum of 10 motion detector extension units • The number of connectable passive extension units is unlimited (e.g. pushbutton, 1 NO contact, 5TD2 120) • The sensitivity can be continuously set between 20 and 100 %																																																	
 5TC1 503 (front)																																																	
 5TC1 503 (back)																																																	
Versions • Assembly height 1.10 m – titanium white (similar to RAL 9010) 5TC1 503 – pearl gray (similar to RAL 7035) 5TC1 534 – silver or aluminum metallic (similar to RAL 9006) 5TC1 507 – anthracite or carbon metallic (similar to RAL 7016) 5TC1 512 – champagne (similar to RAL 7048) 5TC1 535 – bronze (similar to RAL 3012) 5TC1 536 • Assembly height 2.20 m – titanium white (similar to RAL 9010) 5TC1 504 – pearl gray (similar to RAL 7035) 5TC1 538 – silver or aluminum metallic (similar to RAL 9006) 5TC1 508 – anthracite or carbon metallic (similar to RAL 7016) 5TC1 513 – champagne (similar to RAL 7048) 5TC1 540 – bronze (similar to RAL 3012) 5TC1 541																																																	
<table border="1"> <thead> <tr> <th>Inserts</th><th>Section</th><th>Page</th><th></th><th></th></tr> </thead> <tbody> <tr> <td>Motion detector relay inserts</td><td>Functions / Motion Detectors</td><td>13/2</td><td>5TC1 500</td><td></td></tr> <tr> <td>Motion detector triac inserts</td><td>dto.</td><td>13/3</td><td>5TC1 501</td><td></td></tr> <tr> <td>Motion detector extension unit inserts</td><td>dto.</td><td>13/4</td><td>5TC1 502</td><td></td></tr> </tbody> </table>					Inserts	Section	Page			Motion detector relay inserts	Functions / Motion Detectors	13/2	5TC1 500		Motion detector triac inserts	dto.	13/3	5TC1 501		Motion detector extension unit inserts	dto.	13/4	5TC1 502																										
Inserts	Section	Page																																															
Motion detector relay inserts	Functions / Motion Detectors	13/2	5TC1 500																																														
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Motion detector extension unit inserts	dto.	13/4	5TC1 502																																														
<table border="1"> <thead> <tr> <th>Note</th><th>Section</th><th>Page</th><th></th><th></th></tr> </thead> <tbody> <tr> <td>Cutout frames must be ordered separately, see ...</td><td>Frames</td><td>5/9</td><td></td><td></td></tr> <tr> <td>The following intermediate frames, 55 x 55 mm, must be ordered separately:</td><td></td><td></td><td></td><td></td></tr> <tr> <td>• Titanium white (similar to RAL 9010)</td><td>Frames</td><td>5/10</td><td>5TG1 893</td><td>021 1/10</td></tr> <tr> <td>• Pearl gray (similar to RAL 7035)</td><td>dto.</td><td>5/10</td><td>5TG1 885</td><td>021 1/10</td></tr> <tr> <td>• Silver or aluminum metallic (similar to RAL 9006)</td><td>dto.</td><td>5/10</td><td>5TG1 762</td><td>021 1/10</td></tr> <tr> <td>• Anthracite or carbon metallic (similar to RAL 7016)</td><td>dto.</td><td>5/10</td><td>5TG1 835</td><td>021 1/10</td></tr> <tr> <td>• Champagne (similar to RAL 7048)</td><td>dto.</td><td>5/10</td><td>5TG1 705-1</td><td>021 1/10</td></tr> <tr> <td>• Bronze (similar to RAL 3012)</td><td>dto.</td><td>5/10</td><td>5TG1 745-1</td><td>021 1/10</td></tr> </tbody> </table>					Note	Section	Page			Cutout frames must be ordered separately, see ...	Frames	5/9			The following intermediate frames, 55 x 55 mm, must be ordered separately:					• Titanium white (similar to RAL 9010)	Frames	5/10	5TG1 893	021 1/10	• Pearl gray (similar to RAL 7035)	dto.	5/10	5TG1 885	021 1/10	• Silver or aluminum metallic (similar to RAL 9006)	dto.	5/10	5TG1 762	021 1/10	• Anthracite or carbon metallic (similar to RAL 7016)	dto.	5/10	5TG1 835	021 1/10	• Champagne (similar to RAL 7048)	dto.	5/10	5TG1 705-1	021 1/10	• Bronze (similar to RAL 3012)	dto.	5/10	5TG1 745-1	021 1/10
Note	Section	Page																																															
Cutout frames must be ordered separately, see ...	Frames	5/9																																															
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• Pearl gray (similar to RAL 7035)	dto.	5/10	5TG1 885	021 1/10																																													
• Silver or aluminum metallic (similar to RAL 9006)	dto.	5/10	5TG1 762	021 1/10																																													
• Anthracite or carbon metallic (similar to RAL 7016)	dto.	5/10	5TG1 835	021 1/10																																													
• Champagne (similar to RAL 7048)	dto.	5/10	5TG1 705-1	021 1/10																																													
• Bronze (similar to RAL 3012)	dto.	5/10	5TG1 745-1	021 1/10																																													

Motion detectors

Version	Order No.	Price	PG	PS*/ P. unit
		1 unit		Unit(s)
Technical specifications				
Sensing angle	approx. 180°			
Assembly height	1.10 m / 2.20 m (depending on the version)			
Sensing field	• 1.10 m lens approx. 10 m x 12 m • 2.20 m lens approx. 12 m x 12 m			
Number of lenses / lens levels	• 1.10 m lens 18 / 2 • 2.20 m lens 26 / 3			
Rated voltage flush-mounting inserts	230 V AC , 50 Hz			
Operating temperature	approx. -20 ... +45 °C			
Delay time, permanently set	approx. 2 min			
Locking time after switch-off	approx. 3 s			
Brightness threshold value	approx. 0 ... 80 lux / daytime operation			
Sensitivity	approx. 20 ... 100%			
Number of extension units at the flush-mounting insert	• Motion detector extension units max. 10 • Mechanical pushbuttons unlimited			
Comfort motion detector tops, in DELTA i-system design				
same as motion detector top, plus:				
• 55 mm x 55 mm • The Comfort motion detector top can also be set to short-time duty • This way it is possible, for example, to control acoustic signal transducers (bells) for the monitoring of an entry door • The operating mode (continuous OFF / automatic / continuous ON) can be selected by means of a slide switch which can also be secured in the automatic position • The delay time can be infinitely adjusted between 10 s and 30 mins				
Versions				
• Assembly height 1.10 m				
– titanium white (similar to RAL 9010)	5TC1 505		024	1
– pearl gray (similar to RAL 7035) NEW	5TC1 543		024	1
– silver or aluminum metallic (similar to RAL 9006)	5TC1 510		024	1
– anthracite or carbon metallic (similar to RAL 7016)	5TC1 514		024	1
– champagne (similar to RAL 7048) NEW	5TC1 544		024	1
– bronze (similar to RAL 3012) NEW	5TC1 545		024	1
• Assembly height 2.20 m				
– titanium white (similar to RAL 9010)	5TC1 506		024	1
– pearl gray (similar to RAL 7035) NEW	5TC1 547		024	1
– silver or aluminum metallic (similar to RAL 9006)	5TC1 511		024	1
– anthracite or carbon metallic (similar to RAL 7016)	5TC1 515		024	1
– champagne (similar to RAL 7048) NEW	5TC1 548		024	1
– bronze (similar to RAL 3012) NEW	5TC1 550		024	1



5TC1 505 (front)



5TC1 505 (back)



5TC1 505 (front)



5TC1 505 (back)

Motion detectors

Version			Order No.	Price	PG	PS*/ P. unit				
				1 unit		Unit(s)				
Inserts	Section	Page	5TC1 500		024	1				
Motion detector relay inserts	Functions / Motion Detectors	13/2								
Motion detector triac inserts	dto.	13/3								
Motion detector extension unit inserts	dto.	13/4								
Note	Section	Page	5TC1 502		024	1				
Cutout frames must be ordered separately, see ...	Frames	5/9								
The following intermediate frames, 55 x 55 mm, must be ordered separately:										
• Titanium white (similar to RAL 9010)	Frames	5/10								
• Pearl gray (similar to RAL 7035) 	dto.	5/10								
• Silver or aluminum metallic (similar to RAL 9006)	dto.	5/10								
• Anthracite or carbon metallic (similar to RAL 7016)	dto.	5/10								
• Champagne (similar to RAL 7048) 	dto.	5/10								
• Bronze (similar to RAL 3012) 	dto.	5/10								
Technical specifications							5TG1 893		021	1/10
Sensing angle	approx. 180°									
Assembly height	1.10 m / 2.20 m (depending on the version)									
Sensing field										
• 1.10 m lens	approx. 10 m x 12 m									
• 2.20 m lens	approx. 12 m x 12 m									
Number of lenses / lens levels										
• 1.10 m lens	18 / 2									
• 2.20 m lens	26 / 3									
Rated voltage flush-mounting inserts	230 V AC , 50 Hz									
Operating temperature	approx. -20 ... +45 °C									
Delay time	approx. 10 s 30 min									
Locking time after switch-off	approx. 3 s									
Brightness threshold value	approx. 0 ... 80 lux / daytime operation									
Sensitivity	approx. 20 ... 100%									
Number of extension units at the flush-mounting insert			5TG1 705-1		021	1/10				
• Motion detector extension units	max. 10									
• Mechanical pushbuttons	unlimited		5TG1 745-1		021	1/10				

Room temperature controllers

Selection and ordering data

Version	Order No.	Price	PG	PS* /P. unit
		1 unit		Unit(s)
General information Size of cover plates: 65 mm x 65 mm				
Note	Section	Page		
Cutout frames must be used, see ...	<i>Frames</i>	5/9		
The color silver is identical to aluminum metallic (DELTA i-system)				
The color anthracite is identical to carbon metallic (DELTA i-system)				
	Cover plates for room temperature controllers, NC/CO			
5TC9 226	• Titanium white (similar to RAL 9010)	5TC9 226	024	1/25
	• Pearl gray (similar to RAL 7035)	5TC9 227	024	1
	• Silver (similar to RAL 9006)	5TC9 228	024	1
	• Anthracite (similar to RAL 7016)	5TC9 230	024	1
	• Champagne (similar to RAL 7048)	5TC9 231	024	1
	• Bronze (similar to RAL 3012)	5TC9 232	024	1
	• Tobacco (similar to RAL 8019) discontinued model	5TC9 233	024	1
	Inserts	Section	Page	
	Room temperature controllers, 1 NC contact	Functions / Room Temperature Controls	15/2	5TC9 200
	Room temperature controllers, 1 CO contact	dto.	15/2	5TC9 201
	Cover plates for room temperature controllers, 3-position switch Possible positions: automatic timing, constant day temperature, constant nighttime reduction			
5TC9 234	• Titanium white (similar to RAL 9010)	5TC9 234	024	1
	• Pearl gray (similar to RAL 7035)	5TC9 235	024	1
	• Silver (similar to RAL 9006)	5TC9 236	024	1
	• Anthracite (similar to RAL 7016)	5TC9 237	024	1
	• Champagne (similar to RAL 7048)	5TC9 238	024	1
	• Bronze (similar to RAL 3012)	5TC9 240	024	1
	• Tobacco (similar to RAL 8019) discontinued model	5TC9 241	024	1
	Inserts	Section	Page	
	Room temperature controllers, 3-position switch	Functions / Room Temperature Controls	15/3	5TC9 202
	Cover plates for room temperature controllers, direct floor heating			
5TC9 242	• Titanium white (similar to RAL 9010)	5TC9 242	024	1
	• Pearl gray (similar to RAL 7035)	5TC9 243	024	1
	• Silver (similar to RAL 9006)	5TC9 244	024	1
	• Anthracite (similar to RAL 7016)	5TC9 245	024	1
	• Champagne (similar to RAL 7048)	5TC9 246	024	1
	• Bronze (similar to RAL 3012)	5TC9 247	024	1
	• Tobacco (similar to RAL 8019) discontinued model	5TC9 248	024	1
	Inserts	Section	Page	
	Room temperature controllers, direct floor heating	Functions / Room Temperature Controls	15/3	5TC9 203

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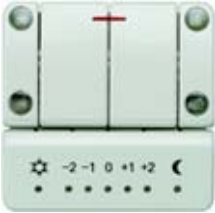
Selection and ordering data

Version	Order No.	Price	PG	PS*/ P. unit
		1 unit		Unit(s)
General information Size of rockers: 65 mm x 65 mm				
Note	Section	Page		
Cutout frames must be ordered separately, see ...	Frames	5/9		
The color silver is identical to aluminum metallic (DELTA i-system)				
The color anthracite is identical to carbon metallic (DELTA i-system)				
 UP 241 pushbuttons, single with labeling field, status indication and orientation light				
• Titanium white (similar to RAL 9010)	5WG1 241-2AB11		030	1
• Pearl gray (similar to RAL 7035)	5WG1 241-2AB01		030	1
• Silver (similar to RAL 9006)	5WG1 241-2AB71		030	1
• Anthracite (similar to RAL 7016)	5WG1 241-2AB21		030	1
Inserts	Section	Page		
UP 110 bus coupling units				
• Mounting depth 27 mm	Functions / GAMMA Building Controls	19/2	5WG1 110-2AB03	030 1
• Mounting depth 19 mm	dto.	19/2	5WG1 110-2AB11	030 1
UP 110 wave wall-mounted transmitters 230 V	Functions / Remote Control Systems	17/5	5WG3 110-2AB11	030 1
UP 110 wave wall-mounted battery transmitters	dto.	17/5	5WG3 110-2AB01	030 1
Actuator UP 560 wave wall-mounted transmitters 230 V	dto.	17/7	5WG3 560-2AB01	030 1
Note				
Our free labeling tool can help you create individual labeling fields. Download at: http://www.siemens.de/beschriftungstool				
 UP 233 + IR pushbuttons, single • With labeling field and status display, single • 1 local pushbutton pair is available • As many as 14 out of 64 infrared channels can be realized with infrared wall-mounted and hand-held transmitters and decoded in the UP 114 bus coupling unit				
Versions				
• Titanium white (similar to RAL 9010)	5WG1 233-2AB11		030	1
• Pearl gray (similar to RAL 7035)	5WG1 233-2AB01		030	1
• Silver (similar to RAL 9006)	5WG1 233-2AB71		030	1
• Anthracite (similar to RAL 7016)	5WG1 233-2AB21		030	1
Inserts	Section	Page		
UP 114 bus coupling units	Functions / GAMMA Building Controls	19/3	5WG1 114-2AB02	030 1
Note				
Our free labeling tool can help you create individual labeling fields. Download at: http://www.siemens.de/beschriftungstool				

Version	Order No.	Price	PG	PS*/ P. unit
		1 unit		Unit(s)
 5WG1 242-2AB11	UP 242 pushbuttons, single with labeling field, I/O symbols, orientation light and status indication, single			
	• Titanium white (similar to RAL 9010)			5WG1 242-2AB11 030 1
	• Pearl gray (similar to RAL 7035)			5WG1 242-2AB01 030 1
	• Silver (similar to RAL 9006)			5WG1 242-2AB71 030 1
	• Anthracite (similar to RAL 7016)			5WG1 242-2AB21 030 1
	Inserts	Section	Page	
	UP 110 bus coupling units			
	• Mounting depth 27 mm	Functions / GAMMA Building Controls	19/2	5WG1 110-2AB03 030 1
	• Mounting depth 19 mm	dto.	19/2	5WG1 110-2AB11 030 1
	UP 110 wave wall-mounted transmitters 230 V	Functions / Remote Control Systems	17/5	5WG3 110-2AB11 030 1
 5WG1 243-2AB11	UP 243 pushbuttons, double with labeling field, orientation light and status indication, double			
	• Titanium white (similar to RAL 9010)			5WG1 243-2AB11 030 1
	• Pearl gray (similar to RAL 7035)			5WG1 243-2AB01 030 1
	• Silver (similar to RAL 9006)			5WG1 243-2AB71 030 1
	• Anthracite (similar to RAL 7016)			5WG1 243-2AB21 030 1
	Inserts	Section	Page	
	UP 110 bus coupling units			
	• Mounting depth 27 mm	Functions / GAMMA Building Controls	19/2	5WG1 110-2AB03 030 1
	• Mounting depth 19 mm	dto.	19/2	5WG1 110-2AB11 030 1
	UP 110 wave wall-mounted transmitters 230 V	Functions / Remote Control Systems	17/5	5WG3 110-2AB11 030 1
 5WG1 234-2AB11	UP 234 + IR pushbuttons, double • With labeling field and status display, double • 2 local pushbutton pairs are available • As many as 14 out of 64 infrared channels can be realized with infrared wall-mounted and hand-held transmitters and decoded in the UP 114 bus coupling unit			
	Versions			
	• Titanium white (similar to RAL 9010)			5WG1 234-2AB11 030 1
	• Pearl gray (similar to RAL 7035)			5WG1 234-2AB01 030 1
	• Silver (similar to RAL 9006)			5WG1 234-2AB71 030 1
	• Anthracite (similar to RAL 7016)			5WG1 234-2AB21 030 1
	Inserts	Section	Page	
	UP 114 bus coupling units	Functions / GAMMA Building Controls	19/3	5WG1 114-2AB02 030 1
	Note			
	Our free labeling tool can help you create individual labeling fields. Download at: http://www.siemens.de/beschriftungstool			

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Version	Order No.	Price	PG	PS*/ P. unit																										
		1 unit		Unit(s)																										
 5WG1 244-2AB11	UP 244 pushbuttons, double with labeling field, I/O symbols, orientation light and status indication, double • Titanium white (similar to RAL 9010) • Pearl gray (similar to RAL 7035) • Silver (similar to RAL 9006) • Anthracite (similar to RAL 7016) <table><tr><th>Inserts</th><th>Section</th><th>Page</th></tr><tr><td colspan="3">UP 110 bus coupling units</td></tr><tr><td>• Mounting depth 27 mm</td><td>Functions / GAMMA Building Controls</td><td>19/2</td></tr><tr><td>• Mounting depth 19 mm</td><td>dto.</td><td>19/2</td></tr><tr><td>UP 110 wave wall-mounted transmitters 230 V</td><td>Functions / Remote Control Systems</td><td>17/5</td></tr><tr><td>UP 110 wave wall-mounted battery transmitters</td><td>dto.</td><td>17/5</td></tr><tr><td>Actuator UP 560 wave wall-mounted transmitters 230 V</td><td>dto.</td><td>17/7</td></tr><tr><td colspan="3">Note</td></tr><tr><td colspan="3">Our free labeling tool can help you create individual labeling fields. Download at: http://www.siemens.de/beschriftungstool</td></tr></table>	Inserts	Section	Page	UP 110 bus coupling units			• Mounting depth 27 mm	Functions / GAMMA Building Controls	19/2	• Mounting depth 19 mm	dto.	19/2	UP 110 wave wall-mounted transmitters 230 V	Functions / Remote Control Systems	17/5	UP 110 wave wall-mounted battery transmitters	dto.	17/5	Actuator UP 560 wave wall-mounted transmitters 230 V	dto.	17/7	Note			Our free labeling tool can help you create individual labeling fields. Download at: http://www.siemens.de/beschriftungstool				030 1 030 1 030 1 030 1
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Note																														
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 5WG1 245-2AB11	UP 245 pushbuttons, quadruple with labeling field, orientation light and status indication, quadruple • Titanium white (similar to RAL 9010) • Pearl gray (similar to RAL 7035) • Silver (similar to RAL 9006) • Anthracite (similar to RAL 7016) <table><tr><th>Inserts</th><th>Section</th><th>Page</th></tr><tr><td colspan="3">UP 110 bus coupling units</td></tr><tr><td>• Mounting depth 27 mm</td><td>Functions / GAMMA Building Controls</td><td>19/2</td></tr><tr><td>• Mounting depth 19 mm</td><td>dto.</td><td>19/2</td></tr><tr><td colspan="3">Note</td></tr><tr><td colspan="3">Our free labeling tool can help you create individual labeling fields. Download at: http://www.siemens.de/beschriftungstool</td></tr></table>	Inserts	Section	Page	UP 110 bus coupling units			• Mounting depth 27 mm	Functions / GAMMA Building Controls	19/2	• Mounting depth 19 mm	dto.	19/2	Note			Our free labeling tool can help you create individual labeling fields. Download at: http://www.siemens.de/beschriftungstool				030 1 030 1 030 1 030 1									
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Note																														
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 5WG1 235-2AB11	UP 235 + IR pushbuttons, quadruple • With labeling field and status display, quadruple • 4 local pushbutton pairs are available • As many as 14 out of 64 infrared channels can be realized with infrared wall-mounted and hand-held transmitters and decoded in the UP 114 bus coupling unit <table><tr><th>Versions</th></tr><tr><td>• Titanium white (similar to RAL 9010)</td></tr><tr><td>• Pearl gray (similar to RAL 7035)</td></tr><tr><td>• Silver (similar to RAL 9006)</td></tr><tr><td>• Anthracite (similar to RAL 7016)</td></tr><tr><th>Inserts</th><th>Section</th><th>Page</th></tr><tr><td colspan="3">UP 114 bus coupling units</td></tr><tr><td colspan="3">Functions / GAMMA Building Controls</td></tr><tr><td colspan="3">19/3</td></tr><tr><td colspan="3">Note</td></tr><tr><td colspan="3">Our free labeling tool can help you create individual labeling fields. Download at: http://www.siemens.de/beschriftungstool</td></tr></table>	Versions	• Titanium white (similar to RAL 9010)	• Pearl gray (similar to RAL 7035)	• Silver (similar to RAL 9006)	• Anthracite (similar to RAL 7016)	Inserts	Section	Page	UP 114 bus coupling units			Functions / GAMMA Building Controls			19/3			Note			Our free labeling tool can help you create individual labeling fields. Download at: http://www.siemens.de/beschriftungstool				030 1 030 1 030 1 030 1				
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Version	Order No.	Price	PG	PS*/ P. unit
		1 unit		Unit(s)
 5WG1 246-2AB11 UP 246 pushbuttons, quadruple with labeling field, I/O symbols, orientation light and status indication, quadruple • Titanium white (similar to RAL 9010) • Pearl gray (similar to RAL 7035) • Silver (similar to RAL 9006) • Anthracite (similar to RAL 7016) Inserts Section Page UP 110 bus coupling units • Mounting depth 27 mm Functions / GAMMA Building Controls 19/2 • Mounting depth 19 mm dto. 19/2 Note Our free labeling tool can help you create individual labeling fields. Download at: http://www.siemens.de/beschriftungstool	5WG1 246-2AB11 5WG1 246-2AB01 5WG1 246-2AB71 5WG1 246-2AB21 5WG1 110-2AB03 5WG1 110-2AB11		030	1
 5WG1 230-2AB12 UP 230/2 pushbuttons • Center position • With motion detector and brightness sensor • 2 outer rockers per 2 LEDs • 2 inner rockers per 1 LED • Size of cover plates: 65 mm x 65 mm Versions • Titanium white (similar to RAL 9010) • Pearl gray (similar to RAL 7035) • Silver (similar to RAL 9006) • Anthracite (similar to RAL 7016) Inserts Section Page UP 110 bus coupling units • Mounting depth 27 mm Functions / GAMMA Building Controls 19/2 • Mounting depth 19 mm dto. 19/2	5WG1 230-2AB12 5WG1 230-2AB02 5WG1 230-2AB72 5WG1 230-2AB22 5WG1 110-2AB03 5WG1 110-2AB11		030	1
 5WG1 231-2AB12 UP 231 pushbuttons with room temperature control Versions • Titanium white (similar to RAL 9010) • Pearl gray (similar to RAL 7035) • Silver (similar to RAL 9006) • Anthracite (similar to RAL 7016) Inserts Section Page UP 114 bus coupling units Functions / GAMMA Building Controls 19/3	5WG1 231-2AB12 5WG1 231-2AB02 5WG1 231-2AB72 5WG1 231-2AB22 5WG1 114-2AB02		030	1
 5WG1 231-2AB13 UP 231/3 pushbuttons • With adaptive room temperature controller • Pushbutton contains the function of a double bus pushbutton and an adaptive room temperature controller • The adaptive control saves time when commissioning the controller and prevents control problems due to incorrectly set controller parameters (P-, I-values) • The integrated sequence control ensures optimal control when combining floor and radiator heating in a single room • The room temperature measurement can be implemented using the integrated sensor, or an external sensor or weighted using both • Height: 28 mm (incl. spring) Versions • Titanium white (similar to RAL 9010) • Pearl gray (similar to RAL 7035) • Silver (similar to RAL 9006) • Anthracite (similar to RAL 7016) Inserts Section Page UP 114 bus coupling units Functions / GAMMA Building Controls 19/3	5WG1 231-2AB13 5WG1 231-2AB03 5WG1 231-2AB73 5WG1 231-2AB23 5WG1 114-2AB02		030	1

GAMMA *instabus*

Version	Order No.	Price	PG	PS/ P. unit																																																									
		1 unit		Unit(s)																																																									
 5WG1 585-2AB11	UP 585 display and control units • Graphical LCD with integrated DELTA bus coupling unit for display of up to 16 user programmable indications • Each indication can be displayed on up to 3 lines • Up to five lines visible on the LCD depending on the font selected • The 4 pushbuttons can be used to select indications, trip switching commands or change temperature setpoints or brightness values in % <table><tr><th colspan="3">Versions</th></tr><tr><td>• Titanium white (similar to RAL 9010)</td><td>5WG1 585-2AB11</td><td>030 1</td></tr><tr><td>• Pearl gray (similar to RAL 7035)</td><td>5WG1 585-2AB01</td><td>030 1</td></tr><tr><td>• Silver (similar to RAL 9006)</td><td>5WG1 585-2AB71</td><td>030 1</td></tr><tr><td>• Anthracite (similar to RAL 7016)</td><td>5WG1 585-2AB21</td><td>030 1</td></tr><tr><th colspan="3">Technical specifications</th></tr><tr><td>LCD resolution</td><td colspan="2">132 x 65 pixels</td></tr><tr><td>Fonts</td><td colspan="2">can be selected or are user configurable</td></tr><tr><td>Background lighting</td><td colspan="2">continuously "ON" or continuously "OFF" using pushbuttons with adjustable delay time, by means of bus telegram or alarm function</td></tr><tr><td>Alarm functions</td><td colspan="2">visual and/or acoustic with acknowledgment option</td></tr></table>				Versions			• Titanium white (similar to RAL 9010)	5WG1 585-2AB11	030 1	• Pearl gray (similar to RAL 7035)	5WG1 585-2AB01	030 1	• Silver (similar to RAL 9006)	5WG1 585-2AB71	030 1	• Anthracite (similar to RAL 7016)	5WG1 585-2AB21	030 1	Technical specifications			LCD resolution	132 x 65 pixels		Fonts	can be selected or are user configurable		Background lighting	continuously "ON" or continuously "OFF" using pushbuttons with adjustable delay time, by means of bus telegram or alarm function		Alarm functions	visual and/or acoustic with acknowledgment option																												
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 5WG1 255-2AB11	UP 255 motion detectors • Proximity switches for detecting persons • The integrated passive infrared motion sensor (PIR) reacts to temperature changes in its monitoring range • Can be used as stand-alone device or for main and secondary operation <table><tr><th colspan="3">Versions</th></tr><tr><td>• Assembly height 1.10 m</td><td></td><td></td></tr><tr><td>– titanium white (similar to RAL 9010)</td><td>5WG1 255-2AB11</td><td>030 1</td></tr><tr><td>– pearl gray (similar to RAL 7035)</td><td>5WG1 255-2AB01</td><td>030 1</td></tr><tr><td>– silver (similar to RAL 9006)</td><td>5WG1 255-2AB71</td><td>030 1</td></tr><tr><td>– anthracite (similar to RAL 7016)</td><td>5WG1 255-2AB21</td><td>030 1</td></tr><tr><td>• Assembly height 2.10 m</td><td></td><td></td></tr><tr><td>– titanium white (similar to RAL 9010)</td><td>5WG1 255-2AB12</td><td>030 1</td></tr><tr><td>– pearl gray (similar to RAL 7035)</td><td>5WG1 255-2AB02</td><td>030 1</td></tr><tr><td>– silver (similar to RAL 9006)</td><td>5WG1 255-2AB72</td><td>030 1</td></tr><tr><td>– anthracite (similar to RAL 7016)</td><td>5WG1 255-2AB22</td><td>030 1</td></tr><tr><th>Inserts</th><th>Section</th><th>Page</th></tr><tr><td colspan="3">UP 110 bus coupling units</td></tr><tr><td>• Mounting depth 27 mm</td><td>Functions / GAMMA Building Controls</td><td>19/2</td></tr><tr><td>• Mounting depth 19 mm</td><td>dto.</td><td>19/2</td></tr><tr><th colspan="3">Technical specifications</th></tr><tr><td>Horizontal sensing angle</td><td colspan="2">180° in 2 levels, can be reduced up to 90° left or right using detachable blanking cover</td></tr><tr><td>Range</td><td colspan="2">approx. 10 m (frontal for assembly height 1.10 m) approx. 12 m (frontal for assembly height 2.20 m) approx. 6 m (laterally in both directions) potentiometer for infinite adjustment between 100 and 20 %</td></tr><tr><td>Light sensor</td><td colspan="2">adjustable in various steps from approx. 1 ... 1000 lux (night to day operation)</td></tr></table>				Versions			• Assembly height 1.10 m			– titanium white (similar to RAL 9010)	5WG1 255-2AB11	030 1	– pearl gray (similar to RAL 7035)	5WG1 255-2AB01	030 1	– silver (similar to RAL 9006)	5WG1 255-2AB71	030 1	– anthracite (similar to RAL 7016)	5WG1 255-2AB21	030 1	• Assembly height 2.10 m			– titanium white (similar to RAL 9010)	5WG1 255-2AB12	030 1	– pearl gray (similar to RAL 7035)	5WG1 255-2AB02	030 1	– silver (similar to RAL 9006)	5WG1 255-2AB72	030 1	– anthracite (similar to RAL 7016)	5WG1 255-2AB22	030 1	Inserts	Section	Page	UP 110 bus coupling units			• Mounting depth 27 mm	Functions / GAMMA Building Controls	19/2	• Mounting depth 19 mm	dto.	19/2	Technical specifications			Horizontal sensing angle	180° in 2 levels, can be reduced up to 90° left or right using detachable blanking cover		Range	approx. 10 m (frontal for assembly height 1.10 m) approx. 12 m (frontal for assembly height 2.20 m) approx. 6 m (laterally in both directions) potentiometer for infinite adjustment between 100 and 20 %		Light sensor	adjustable in various steps from approx. 1 ... 1000 lux (night to day operation)	
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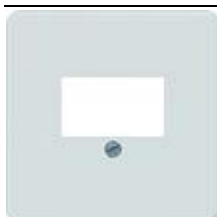
Version		Order No.	Price	PG	PS*/ P. unit
			1 unit		Unit(s)
 5WG1 252-2AB13	UP 252 room temperature controllers • Can be used as a two-position controller or continuous-action controller • For controlling electrothermal or electromotive actuators • 5 LEDs for operating status display • Presence pushbuttons • Rotary button for shifting the basic setpoint				
	Versions				
	• Titanium white (similar to RAL 9010)	5WG1 252-2AB13		030	1
	• Pearl gray (similar to RAL 7035)	5WG1 252-2AB03		030	1
	• Silver (similar to RAL 9006)	5WG1 252-2AB73		030	1
	• Anthracite (similar to RAL 7016)	5WG1 252-2AB23		030	1
	Inserts				
	UP 110 bus coupling units				
	• Mounting depth 27 mm	Functions / GAMMA Building Controls	19/2	5WG1 110-2AB03	030 1
	• Mounting depth 19 mm	dto.	19/2	5WG1 110-2AB11	030 1
 5WG1 146-2AB11	UP 146 RS 232 interfaces • Supports connection of a PC: for addressing, parameter assignment, visualization, logging and diagnosis of the bus devices • Transfer rate: 9600/19200 baud				
	Versions				
	• Titanium white (similar to RAL 9010)	5WG1 146-2AB11		030	1
	• Pearl gray (similar to RAL 7035)	5WG1 146-2AB01		030	1
	• Silver (similar to RAL 9006)	5WG1 146-2AB71		030	1
	• Anthracite (similar to RAL 7016)	5WG1 146-2AB21		030	1
	Inserts				
	UP 110 bus coupling units				
	• Mounting depth 27 mm	Functions / GAMMA Building Controls	19/2	5WG1 110-2AB03	030 1
	• Mounting depth 19 mm	dto.	19/2	5WG1 110-2AB11	030 1
 5WG1 146-2EB11	UP 146 E interfaces • Supports connection of a PC to the KNX EIB over the integrated USB socket (type B): For addressing, parameter assignment, visualization, logging and diagnosis of the bus devices • Connection can be implemented either using the standard or the FT1.2 protocol • Transfer rate: 9600 baud (19200 baud at FT1.2)				
	Versions				
	• Titanium white (similar to RAL 9010)	5WG1 146-2EB11		030	1
	• Pearl gray (similar to RAL 7035)	5WG1 146-2EB01		030	1
	• Silver (similar to RAL 9006)	5WG1 146-2EB71		030	1
	• Anthracite (similar to RAL 7016)	5WG1 146-2EB21		030	1
	Inserts				
	UP 110 bus coupling units				
	• Mounting depth 27 mm	dto.	19/2	5WG1 110-2AB03	030 1
	• Mounting depth 19 mm	dto.	19/2	5WG1 110-2AB11	030 1
	UP 114 bus coupling units				
	• Mounting depth 19 mm	dto.	19/3	5WG1 114-2AB02	030 1

GAMMA *instabus*

Version	Order No.	Price	PG	PS*/ P. unit
		1 unit		Unit(s)
 5WG3 140-2AB11	UP 140 couplers • Connects the GAMMA wave radio system with the GAMMA <i>instabus</i> coupler. It is a special wave pushbutton, which is clipped onto an instabus UP 114 bus coupling unit • Transmission is bidirectional • Whereby indications and commands that are received over radio waves are sent on the <i>instabus</i> and vice versa • Bus telegrams received over radio waves are forwarded • The pushbutton of the coupler also supports an additional operator function over radio and/or over <i>instabus</i> • The coupler is programmed and the radio components are taught using the ETS • Height: 25 mm (incl. spring)			
	Versions			
	• Titanium white (similar to RAL 9010)	5WG3 140-2AB11	030	1
	• Pearl gray (similar to RAL 7035)	5WG3 140-2AB01	030	1
	• Silver (similar to RAL 9006)	5WG3 140-2AB71	030	1
	• Anthracite (similar to RAL 7016)	5WG3 140-2AB21	030	1
	Inserts			
	UP 114 bus coupling units	Functions / GAMMA Building Controls	19/3	5WG1 114-2AB02
			030	1
 5WG1 272-2AB11	UP 272 water sensors with 2 m sensor cable			
	• Titanium white (similar to RAL 9010)	5WG1 272-2AB11	030	1
	• Pearl gray (similar to RAL 7035)	5WG1 272-2AB01	030	1
	• Silver (similar to RAL 9006)	5WG1 272-2AB71	030	1
	• Anthracite (similar to RAL 7016)	5WG1 272-2AB21	030	1
	Inserts			
	UP 110 bus coupling units	Functions / GAMMA Building Controls	19/2	5WG1 110-2AB03
	• Mounting depth 27 mm			030
	• Mounting depth 19 mm	dto.	19/2	5WG1 110-2AB11
			030	1
 5WG1 563-2AB11	UP 563 function modules • For the manufacture of switchable SCHUKO socket outlets • 10 A switch actuator with integrated bus coupling unit • For mounting on screwless SCHUKO socket outlets (not for double socket outlets or socket outlets with overvoltage protection)			
	Mounting type			
	There are 2 types of mounting for the integration of switchable SCHUKO socket outlets from the DELTA profil product range:			
	• Switch and socket box, 60 mm deep – the combination SCHUKO socket outlet with UP 563 function module can be mounted with the supplied distance frame – the required SCHUKO socket outlet from the DELTA profil product range, and the required single frame must be ordered separately • Switch and socket box, 60 mm deep with mounted leveling ring (24 mm), ie. an overall depth of 84 mm is required – because there is no need for a distance frame, the complete DELTA profil color spectrum is available – the switchable SCHUKO socket outlet can now also be integrated in multiple combinations – the SCHUKO socket outlet and corresponding frame must be ordered separately			
	Versions			
	• Titanium white (similar to RAL 9010)	5WG1 563-2AB11	030	1
	• Pearl gray (similar to RAL 7035)	5WG1 563-2AB01	030	1
	• Silver (similar to RAL 9006)	5WG1 563-2AB71	030	1
	• Anthracite (similar to RAL 7016)	5WG1 563-2AB21	030	1
	Note			
	• The SCHUKO socket outlet and corresponding frame must be ordered separately • We recommend selecting a SCHUKO socket outlet with status display, which allows you to check the circuit state at any time.			

Selection and ordering data

Version	Order No.	Price	PG	PS*/ P. unit
		1 unit		Unit(s)
General information				
Size of cover plates: 65 mm x 65 mm				
Note				
The color silver is identical to aluminum metallic (DELTA i-system)				
The color anthracite is identical to carbon metallic (DELTA i-system)				
Cover plates for TAE outlet boxes and loudspeaker outlet boxes				
• Titanium white (similar to RAL 9010)	5TG1 800-2		021	1/10
• Pearl gray (similar to RAL 7035)	5TG1 860-2		021	1/10
• Silver (similar to RAL 9006)	5TG1 760-2		021	1/10
• Anthracite (similar to RAL 7016)	5TG1 830-2		021	1/10
• Champagne (similar to RAL 7048)	5TG1 700-2		021	1/10
• Bronze (similar to RAL 3012)	5TG1 740-2		021	1/10
• Tobacco (similar to RAL 8019) discontinued model	5TG1 720-2		021	1/10
Inserts	Section	Page		
TAE 6F+N, black ¹⁾	Functions / Data and Communication Systems	16/3	5TG2 853	021 1
TAE 3x 6NFN, black ¹⁾	dto.	16/3	5TG2 480	021 1
TAE 2x 6/6NFF, black ¹⁾	dto.	16/3	5TG2 854	021 1
UAE 8/6 / TAE 6F+N, black	dto.	16/3	5TG2 855	021 1
Loudspeaker outlet boxes, single	dto.	16/10	5TG2 467-2	021 1
Loudspeaker outlet boxes, double	dto.	16/10	5TG2 468-2	021 1
Footnote				
¹⁾ Design for Austria on request.				
Cover plates for UAE outlet boxes				
• For Cat 3, Cat 5 and Cat 6 inserts from Rutenbeck				
• For Cat 6 inserts from BTR (E-DAT)				
• With 45° inclined outlet				
• For single and double				
• Inclined outlet can be knocked out for 2 x 8 inserts				
Versions				
• Titanium white (similar to RAL 9010)	5TG1 818		021	1/10
• Pearl gray (similar to RAL 7035)	5TG1 878		021	1/10
• Silver (similar to RAL 9006)	5TG1 765		021	1/10
• Anthracite (similar to RAL 7016)	5TG1 848		021	1/10
• Champagne (similar to RAL 7048)	5TG1 938-1		021	1/10
• Bronze (similar to RAL 3012)	5TG1 947-1		021	1/10
• Tobacco (similar to RAL 8019) discontinued model	5TG1 943-1		021	1/10
Inserts	Section	Page		
UAE outlet boxes, Cat 3, Rutenbeck, 1 x 8-pole	Functions / Data and Communication Systems	16/4	5TG2 417	021 1
UAE outlet boxes, Cat 3, Rutenbeck, 2 x 8-pole	dto.	16/4	5TG2 406	021 1
UAE outlet boxes, Cat 5e, Rutenbeck, 1 x 8-pole	dto.	16/4	5TG2 418	021 1
UAE outlet boxes, Cat 5e, Rutenbeck, 2 x 8-pole	dto.	16/4	5TG2 407	021 1
UAE outlet boxes, real Cat 6, Rutenbeck, 2 x 8-pole	dto.	16/4	5TG2 448	021 1



5TG1 800-2

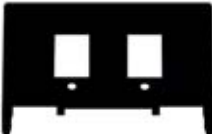


5TG1 818

Communication

Version	Order No.	Price	PG	PS/ P. unit																																											
		1 unit		Unit(s)																																											
 5TG1 821	Cover plates for UAE outlet boxes, with labeling field • For Cat 3, Cat 5 and Cat 6 inserts from Rutenbeck • For Cat 6 inserts from BTR (E-DAT) • With 45° inclined outlet • For single and double • Inclined outlet can be knocked out for 2 x 8 inserts <table><tr><th colspan="3">Versions</th></tr><tr><td>• Titanium white (similar to RAL 9010)</td><td>5TG1 821</td><td>021 1/10</td></tr><tr><td>• Pearl gray (similar to RAL 7035)</td><td>5TG1 881</td><td>021 1/10</td></tr><tr><td>• Silver (similar to RAL 9006)</td><td>5TG1 767</td><td>021 1/10</td></tr><tr><td>• Anthracite (similar to RAL 7016)</td><td>5TG1 851</td><td>021 1/10</td></tr><tr><td>• Champagne (similar to RAL 7048)</td><td>5TG1 940-1</td><td>021 1/10</td></tr><tr><td>• Bronze (similar to RAL 3012)</td><td>5TG1 948-1</td><td>021 1/10</td></tr><tr><td>• Tobacco (similar to RAL 8019) discontinued model</td><td>5TG1 944-1</td><td>021 1/10</td></tr></table> <table><tr><th>Inserts</th><th>Section</th><th>Page</th></tr><tr><td>UAE outlet boxes, Cat 3, Rutenbeck, 1 x 8-pole</td><td>Functions / Data and Communication Systems</td><td>16/4</td></tr><tr><td>UAE outlet boxes, Cat 3, Rutenbeck, 2 x 8-pole</td><td>dto.</td><td>16/4</td></tr><tr><td>UAE outlet boxes, Cat 5e, Rutenbeck, 1 x 8-pole</td><td>dto.</td><td>16/4</td></tr><tr><td>UAE outlet boxes, Cat 5e, Rutenbeck, 2 x 8-pole</td><td>dto.</td><td>16/4</td></tr><tr><td>UAE outlet boxes, real Cat 6, Rutenbeck, 2 x 8-pole</td><td>dto.</td><td>16/4</td></tr></table> Note Our free labeling tool can help you create individual labeling fields. Download at: http://www.siemens.de/beschriftungstool	Versions			• Titanium white (similar to RAL 9010)	5TG1 821	021 1/10	• Pearl gray (similar to RAL 7035)	5TG1 881	021 1/10	• Silver (similar to RAL 9006)	5TG1 767	021 1/10	• Anthracite (similar to RAL 7016)	5TG1 851	021 1/10	• Champagne (similar to RAL 7048)	5TG1 940-1	021 1/10	• Bronze (similar to RAL 3012)	5TG1 948-1	021 1/10	• Tobacco (similar to RAL 8019) discontinued model	5TG1 944-1	021 1/10	Inserts	Section	Page	UAE outlet boxes, Cat 3, Rutenbeck, 1 x 8-pole	Functions / Data and Communication Systems	16/4	UAE outlet boxes, Cat 3, Rutenbeck, 2 x 8-pole	dto.	16/4	UAE outlet boxes, Cat 5e, Rutenbeck, 1 x 8-pole	dto.	16/4	UAE outlet boxes, Cat 5e, Rutenbeck, 2 x 8-pole	dto.	16/4	UAE outlet boxes, real Cat 6, Rutenbeck, 2 x 8-pole	dto.	16/4				
Versions																																															
• Titanium white (similar to RAL 9010)	5TG1 821	021 1/10																																													
• Pearl gray (similar to RAL 7035)	5TG1 881	021 1/10																																													
• Silver (similar to RAL 9006)	5TG1 767	021 1/10																																													
• Anthracite (similar to RAL 7016)	5TG1 851	021 1/10																																													
• Champagne (similar to RAL 7048)	5TG1 940-1	021 1/10																																													
• Bronze (similar to RAL 3012)	5TG1 948-1	021 1/10																																													
• Tobacco (similar to RAL 8019) discontinued model	5TG1 944-1	021 1/10																																													
Inserts	Section	Page																																													
UAE outlet boxes, Cat 3, Rutenbeck, 1 x 8-pole	Functions / Data and Communication Systems	16/4																																													
UAE outlet boxes, Cat 3, Rutenbeck, 2 x 8-pole	dto.	16/4																																													
UAE outlet boxes, Cat 5e, Rutenbeck, 1 x 8-pole	dto.	16/4																																													
UAE outlet boxes, Cat 5e, Rutenbeck, 2 x 8-pole	dto.	16/4																																													
UAE outlet boxes, real Cat 6, Rutenbeck, 2 x 8-pole	dto.	16/4																																													
 5TG2 056	Cover plate, for Modular Jack support plate • Cover plates with shutter • For Modular Jack support plates <table><tr><th colspan="3">Versions</th></tr><tr><td>• Titanium white (similar to RAL 9010)</td><td>5TG2 056</td><td>021 1</td></tr><tr><td>• Electrical white (RAL 1013)</td><td>5TG2 057</td><td>021 1</td></tr></table> <table><tr><th>Inserts</th><th>Section</th><th>Page</th></tr><tr><td colspan="3">Modular Jack support plates</td></tr><tr><td>• Red insert</td><td>Functions / Data and Communication Systems</td><td>16/5</td></tr><tr><td>• Black insert</td><td>dto.</td><td>16/5</td></tr><tr><td>• Yellow insert</td><td>dto.</td><td>16/5</td></tr><tr><td>• Orange insert</td><td>dto.</td><td>16/6</td></tr><tr><td>• Blue insert</td><td>dto.</td><td>16/6</td></tr><tr><td>• Brown insert</td><td>dto.</td><td>16/6</td></tr></table> Note Intermediate frame required for insertion in devices, 55 x 55 mm (5TG1 893) Cutout frames necessary	Versions			• Titanium white (similar to RAL 9010)	5TG2 056	021 1	• Electrical white (RAL 1013)	5TG2 057	021 1	Inserts	Section	Page	Modular Jack support plates			• Red insert	Functions / Data and Communication Systems	16/5	• Black insert	dto.	16/5	• Yellow insert	dto.	16/5	• Orange insert	dto.	16/6	• Blue insert	dto.	16/6	• Brown insert	dto.	16/6													
Versions																																															
• Titanium white (similar to RAL 9010)	5TG2 056	021 1																																													
• Electrical white (RAL 1013)	5TG2 057	021 1																																													
Inserts	Section	Page																																													
Modular Jack support plates																																															
• Red insert	Functions / Data and Communication Systems	16/5																																													
• Black insert	dto.	16/5																																													
• Yellow insert	dto.	16/5																																													
• Orange insert	dto.	16/6																																													
• Blue insert	dto.	16/6																																													
• Brown insert	dto.	16/6																																													
 5TG1 916	Cover plates, inclined outlets for fiber-optic mounting plates • Titanium white (similar to RAL 9010) • Pearl gray (similar to RAL 7035) • Anthracite (similar to RAL 7016) <table><tr><th>Note</th><th>Section</th><th>Page</th></tr><tr><td>Cutout frames must be used, see ...</td><td>Frames</td><td>5/9</td></tr></table>	Note	Section	Page	Cutout frames must be used, see ...	Frames	5/9																																								
Note	Section	Page																																													
Cutout frames must be used, see ...	Frames	5/9																																													

Communication

Version	Order No.	Price	PG	PS*/ P. unit
		1 unit		Unit(s)
 Mounting plates for "cover plates, inclined outlets", 2 x "ST" AMP for fiber-optic installation couplings 5TG1 913	5TG1 913		021	1/10
 Mounting plates for "cover plates, inclined outlets", 2 x "SC" for fiber-optic installation couplings 5TG1 914	5TG1 914		021	1/10
 Mounting plates for "cover plates, inclined outlets", 2 x "SC Duplex" AMP for fiber-optic installation couplings 5TG1 915	5TG1 915		021	1/10

TV/RF/SAT

Selection and ordering data

Version		Order No.	Price	PG	PS*/ P. unit									
			1 unit		Unit(s)									
General information - Degree of protection: IP20 - Size of cover plates: 65 mm x 65 mm														
Note														
The color silver is identical to aluminum metallic (DELTA i-system)														
The color anthracite is identical to carbon metallic (DELTA i-system)														
 5TG1 816	Cover plates for TV/RF/SAT connection, 2-hole version													
	• Titanium white (similar to RAL 9010)					5TG1 816	021	1/10						
	• Pearl gray (similar to RAL 7035)					5TG1 876	021	1/10						
	• Silver (similar to RAL 9006)					5TG1 776	021	1/10						
	• Anthracite (similar to RAL 7016)					5TG1 846	021	1/10						
	• Champagne (similar to RAL 7048)					5TG1 716-1	021	1/10						
	• Bronze (similar to RAL 3012)					5TG1 756-1	021	1/10						
	• Tobacco (similar to RAL 8019) discontinued model					5TG1 736-1	021	1/10						
<table><tr><th>Inserts</th><th>Section</th><th>Page</th></tr><tr><td>Aerial branch-circuit boxes</td><td>Functions / Data and Communication Systems</td><td>16/2</td></tr><tr><td>Aerial through-way boxes/ terminal boxes</td><td>dto.</td><td>16/2</td></tr></table>		Inserts	Section	Page	Aerial branch-circuit boxes	Functions / Data and Communication Systems	16/2	Aerial through-way boxes/ terminal boxes	dto.	16/2				
Inserts	Section	Page												
Aerial branch-circuit boxes	Functions / Data and Communication Systems	16/2												
Aerial through-way boxes/ terminal boxes	dto.	16/2												
		5TG2 485	021	1/10										
		5TG2 484	021	1/10										
 5TG1 828	Cover plates for TV/RF/SAT connection, 3-hole version													
	• Titanium white (similar to RAL 9010)					5TG1 828	021	1/10						
	• Pearl gray (similar to RAL 7035)					5TG1 888	021	1/10						
	• Silver (similar to RAL 9006)					5TG1 778	021	1/10						
	• Anthracite (similar to RAL 7016)					5TG1 858	021	1/10						
	• Champagne (similar to RAL 7048)					5TG1 718-1	021	1/10						
	• Bronze (similar to RAL 3012)					5TG1 758-1	021	1/10						
	• Tobacco (similar to RAL 8019) discontinued model					5TG1 738-1	021	1/10						
<table><tr><th>Note</th><th>Section</th><th>Page</th></tr><tr><td>Cutout frames must be used, see ...</td><td>Frames</td><td>5/9</td></tr></table>		Note	Section	Page	Cutout frames must be used, see ...	Frames	5/9							
Note	Section	Page												
Cutout frames must be used, see ...	Frames	5/9												
 5TG1 817	Cover plates for TV/RF/SAT connection, 4-hole version													
	• With double SAT connection													
	• Suitable for Hirschmann SAT EVU O2F boxes													
	Versions													
	• Titanium white (similar to RAL 9010)					5TG1 817	021	1/10						
	• Pearl gray (similar to RAL 7035)					5TG1 877	021	1/10						
	• Silver (similar to RAL 9006)					5TG1 777	021	1/10						
	• Anthracite (similar to RAL 7016)					5TG1 847	021	1/10						
<table><tr><th>Note</th><th>Section</th><th>Page</th></tr><tr><td>Cutout frames must be used, see ...</td><td>Frames</td><td>5/9</td></tr></table>		Note	Section	Page	Cutout frames must be used, see ...	Frames	5/9							
Note	Section	Page												
Cutout frames must be used, see ...	Frames	5/9												

Equipotential bonding

Selection and ordering data

Version	Order No.	Price	PG	PS*/ P. unit
		1 unit		Unit(s)
 Socket outlets for equipotential bonding, double • Size of cover plates: 55 mm x 55 mm • For screw fixing to DIN 42801 • For cables 1 x 6 mm² and 4 x 2.5 mm² • Screw connection • Titanium white (similar to RAL 9010)	5TG2 564		021	1/10
Note An intermediate frame must be used, see ...	Section Frames	Page 5/10		

5TG2 564

Surface-mounting enclosures

Selection and ordering data

Version	Order No.	Price	PG	PS*/ P. unit
		1 unit		Unit(s)
 Surface-mounting enclosures Titanium white (similar to RAL 9010)				
• Single, 80 mm x 80 mm x 42.5 mm	5TG1 825		021	1/5
• Double, 150 mm x 80 mm x 42.5 mm	5TG1 826		021	1/5

5TG1 825

Module carriers for the DELTA m-system

Selection and ordering data

Version	Order No.	Price	PG	PS*/ P. unit
		1 unit		Unit(s)
General information For holding modules from the DELTA m-system				
 Module carriers, 1M • Incl. intermediate frame • For screw fixing • Titanium white (similar to RAL 9010)	5TG1 911		021	1
Note For module inserts, see ...	Section Design / DELTA m-system	Page 9/6		
 Module carriers, 2M • Incl. intermediate frame • For screw fixing • Titanium white (similar to RAL 9010)	5TG1 912		021	1/20
Note For module inserts, see ...	Section Design / DELTA m-system	Page 9/6		

5TG1 911

5TG1 912

* You can order this quantity or a multiple thereof.

Accessories and spare parts

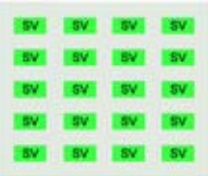
Selection and ordering data

Version	Order No.	Price	PG	PS*/ P. unit
		1 unit		Unit(s)
Add-on devices				
 5TG4 810	General information • For screw and claw fixing • Size of cover plates: 65 mm x 65 mm Note The color silver is identical to aluminum metallic (DELTA i-system) The color anthracite is identical to carbon metallic (DELTA i-system)			
	Hotel card switches, with window • For cards up to 54 mm x 85 mm, 0.7 to 1.0 mm thick • For screw and claw fixing • Insertion of a card controls a mechanical contact			
	Versions • Non-illuminated, includes insert <i>pushbutton</i>, 1 CO contact (5TD2 123)			
	– titanium white (similar to RAL 9010)	5TG4 810	021	1
	• Illuminated, includes insert <i>pushbutton</i> , 1 CO contact, with separate neutral terminal (5TD2 117), incl. <i>glow lamp</i> (5TG7 332)			
	– titanium white (similar to RAL 9010)	5TG4 811	021	1
	– silver (similar to RAL 9006)	5TG4 814	021	1
	– champagne (similar to RAL 7048)	5TG4 816-1	021	1
	– bronze (similar to RAL 3012)	5TG4 818-1	021	1
	– tobacco (similar to RAL 8019) discontinued model	5TG4 817-1	021	1
	Note Our free labeling tool can help you create individual labeling fields. Download at: http://www.siemens.de/beschriftungstool			
 5TG1 810	Blanking cover plates • Titanium white (similar to RAL 9010)			
	• Pearl gray (similar to RAL 7035)	5TG1 870	021	1/10
	• Silver (similar to RAL 9006)	5TG1 770	021	1/10
	• Anthracite (similar to RAL 7016)	5TG1 840	021	1/10
	• Champagne (similar to RAL 7048)	5TG1 710-1	021	1/10
	• Bronze (similar to RAL 3012)	5TG1 750-1	021	1/10
	• Tobacco (similar to RAL 8019) discontinued model	5TG1 730-1	021	1/10
	Note	Section	Page	
	The blanking cover can also be used with the <i>UP 141 repeater wave insert</i> (5WG3 141-2AB01), see ...			
	<i>Remote Control Systems / GAMMA wave - The Multifunctional Radio System / Inserts</i>			
 5TG1 807	Outlet plates • Titanium white (similar to RAL 9010)			
	• Pearl gray (similar to RAL 7035)	5TG1 867	021	1/10
	• Anthracite (similar to RAL 7016)	5TG1 837	021	1/10

Accessories and spare parts

Version	Order No.	Price	PG	PS*/ P. unit																												
		1 unit		Unit(s)																												
 5TD2 832 Cover plates, with light signal • 250 V AC with transformer • With tubular lamp, 1.2 W, 12 V AC • With red window • Screw connection <table><tr><th colspan="3">Versions</th></tr><tr><td>• Titanium white (similar to RAL 9010)</td><td>5TD2 832</td><td>021 1</td></tr><tr><td>• Pearl gray (similar to RAL 7035)</td><td>5TD2 834</td><td>021 1</td></tr><tr><td>• Anthracite (similar to RAL 7016)</td><td>5TD2 833</td><td>021 1</td></tr><tr><th>Note</th><th>Section</th><th>Page</th></tr><tr><td>For spare window sets, see ...</td><td><i>Accessories and spare parts</i></td><td>5/49</td></tr><tr><th colspan="3">Note</th></tr><tr><td colspan="3">Our free labeling tool can help you create individual labeling fields. Download at: http://www.siemens.de/beschriftungstool</td></tr></table>	Versions			• Titanium white (similar to RAL 9010)	5TD2 832	021 1	• Pearl gray (similar to RAL 7035)	5TD2 834	021 1	• Anthracite (similar to RAL 7016)	5TD2 833	021 1	Note	Section	Page	For spare window sets, see ...	<i>Accessories and spare parts</i>	5/49	Note			Our free labeling tool can help you create individual labeling fields. Download at: http://www.siemens.de/beschriftungstool										
Versions																																
• Titanium white (similar to RAL 9010)	5TD2 832	021 1																														
• Pearl gray (similar to RAL 7035)	5TD2 834	021 1																														
• Anthracite (similar to RAL 7016)	5TD2 833	021 1																														
Note	Section	Page																														
For spare window sets, see ...	<i>Accessories and spare parts</i>	5/49																														
Note																																
Our free labeling tool can help you create individual labeling fields. Download at: http://www.siemens.de/beschriftungstool																																
 5TG2 567 Cover plates for flush-mounting control devices • For screw fixing • 55 mm x 55 mm <table><tr><th colspan="3">Versions</th></tr><tr><td>• Titanium white (similar to RAL 9010)</td><td rowspan="2">5TG2 567</td><td>021 1/10</td></tr><tr><td>– for 18.5 mm Ø</td><td></td></tr><tr><td>– for 22.5 mm Ø (DIN 43696)</td><td>5TG2 568</td><td>021 1/10</td></tr><tr><td>• Yellow (similar to RAL 1018)</td><td rowspan="2">on request</td><td></td></tr><tr><td>– for 18.5 mm Ø</td><td></td></tr><tr><td>– for 22.5 mm Ø (DIN 43696)</td><td>on request</td><td></td></tr><tr><th>Note</th><th>Section</th><th>Page</th></tr><tr><td>Intermediate frames in matching colors must be ordered separately, see ...</td><td><i>Frames</i></td><td>5/10</td></tr><tr><td>For EMERGENCY-STOP pushbuttons, see ...</td><td colspan="2"><i>Low-Voltage Switchgear / – SIRIUS Industrial Switchgear / Control and Signaling Devices / Pushbuttons and LEDs</i></td></tr></table>	Versions			• Titanium white (similar to RAL 9010)	5TG2 567	021 1/10	– for 18.5 mm Ø		– for 22.5 mm Ø (DIN 43696)	5TG2 568	021 1/10	• Yellow (similar to RAL 1018)	on request		– for 18.5 mm Ø		– for 22.5 mm Ø (DIN 43696)	on request		Note	Section	Page	Intermediate frames in matching colors must be ordered separately, see ...	<i>Frames</i>	5/10	For EMERGENCY-STOP pushbuttons, see ...	<i>Low-Voltage Switchgear / – SIRIUS Industrial Switchgear / Control and Signaling Devices / Pushbuttons and LEDs</i>					
Versions																																
• Titanium white (similar to RAL 9010)	5TG2 567	021 1/10																														
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– for 22.5 mm Ø (DIN 43696)	5TG2 568	021 1/10																														
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Note	Section	Page																														
Intermediate frames in matching colors must be ordered separately, see ...	<i>Frames</i>	5/10																														
For EMERGENCY-STOP pushbuttons, see ...	<i>Low-Voltage Switchgear / – SIRIUS Industrial Switchgear / Control and Signaling Devices / Pushbuttons and LEDs</i>																															
 5TG4 804 Air conditioning switches • 3-step rotary switches with neutral position • 20 A, 250 V AC • For screw fixing • With screw-type terminals <table><tr><th colspan="3">Versions</th></tr><tr><td>• Titanium white (similar to RAL 9010)</td><td>5TG4 804</td><td>021 1</td></tr><tr><td>• Pearl gray (similar to RAL 7035)</td><td>5TG4 806</td><td>021 1</td></tr><tr><td>• Anthracite (similar to RAL 7016)</td><td>5TG4 805</td><td>021 1</td></tr></table>	Versions			• Titanium white (similar to RAL 9010)	5TG4 804	021 1	• Pearl gray (similar to RAL 7035)	5TG4 806	021 1	• Anthracite (similar to RAL 7016)	5TG4 805	021 1																				
Versions																																
• Titanium white (similar to RAL 9010)	5TG4 804	021 1																														
• Pearl gray (similar to RAL 7035)	5TG4 806	021 1																														
• Anthracite (similar to RAL 7016)	5TG4 805	021 1																														
 5TG4 801 Volume controls 3 W, 27 Ω, mono • Titanium white (similar to RAL 9010) • Pearl gray (similar to RAL 7035) • Anthracite (similar to RAL 7016)	5TG4 801 5TG4 803 5TG4 802	021 1 021 1 021 1																														

Accessories and spare parts

Version	Order No.	Price	PG	PS*/ P. unit						
		1 unit		Unit(s)						
Accessories for rockers										
	Labeling field inserts "Heating Emergency Switch" for rocker with labeling field	5TG1 894	021	1						
Accessories for socket outlets										
	Label sheets "SV" • For marking the inserts • 1 sheet contains 20 self-adhesive labels	5UH1 084	021	1						
	Label sheets "ZSV" • For marking the inserts • 1 sheet contains 20 self-adhesive labels	5UH1 085	021	1						
	Label sheets "WSV" • For marking the inserts • 1 sheet contains 20 self-adhesive labels	5UH1 086	021	1						
Accessories for dimmers										
	Spare fuses 250 V • T 1.6 H 250 V – for incandescent lamp dimmers, 50 ... 400 W (5TC8 256) – for sensor dimmers, with/without memory function, 20 ... 400 W (5TC8 240 / 5TC8 232) • T 2.5 H 250 V – for incandescent lamp dimmers, 50 ... 600 W (5TC8 257) • T 4 H 250 V – for low-voltage dimmers for magnetic transformers (5TC8 283) – for electronic potentiometers (5TC8 424 and 5TC8 420) – for speed regulating rheostats (5TC8 604)	5TG8 302 5TG8 305 5TG8 330	024 024 024	1/10 1/10 1/10						
Accessories for shutter/blind controls										
	Sun sensors • With 2-m connecting cable (extendable to 25 m) • In combination with the Comfort shutter/blind control, the sun sensor can be used for sun protection and twilight functions	5TC1 526	024	1						
<table><tr><th>Note</th><th>Section</th><th>Page</th></tr><tr><td>Technical Specifications, see ...</td><td>Technical Information / Shutter/Blind Controls / Comfort shutter/blind control</td><td>20/51</td></tr></table>		Note	Section	Page	Technical Specifications, see ...	Technical Information / Shutter/Blind Controls / Comfort shutter/blind control	20/51			
Note	Section	Page								
Technical Specifications, see ...	Technical Information / Shutter/Blind Controls / Comfort shutter/blind control	20/51								

Accessories and spare parts

Version			Order No.	Price	PG	PS*/ P. unit	
				1 unit		Unit(s)	
Spare parts							
	Spare tubular lamps - For light signal insert 1.2 W, 12 V AC		5TG1 897		021	1/10	
5TG1 897							
	Spare glow lamps for SCHUKO socket outlets with status display 1.5 mA, 230 V AC/50 Hz		5TG7 304		021	1/10	
5TG7 304							
	Spare overvoltage protection modules for SCHUKO socket outlets with overvoltage protection		5UH1 300		021	1	
5UH1 300							
Note			Section	Page			
Technical Specifications, see ...			Technical Information / Socket outlets / SCHUKO socket outlets with overvoltage protection	20/11			
	Spare window sets for light signals 1 set contains 2 x red, 2 x clear and 2 x gray		5TG1 898	1 set	021	1 set/ 10 sets	
5TG1 898							
Accessories							
	Glow lamps for switch and pushbutton inserts - Protected against contact 230 V AC						
5TG7 321							
Luminosity		Power consumption					Base color
Weak		0.18 mA					White
Average		0.9 mA					Gray
Strong		1.35 mA	Blue				
		5TG7 321	021	1/10			
		5TG7 332	021	1/10			
		5TG7 342	021	1/10			
	Incandescent lamps for switch and pushbutton inserts						
5TG7 313							
Voltage		Power consumption					Base color
8 V		35 mA					White
12 V		40 mA					White
24 V		20 mA	White				
		5TG7 313	021	1/10			
		5TG2 785	021	1/10			
		5TG7 314	021	1/10			

Notes



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6/8	Switches and pushbuttons
6/13	Shutter/blind controls
6/17	Socket outlets
6/19	International plug-and-socket devices
6/20	Lighting controls
6/22	Motion detectors
6/24	Room temperature controllers
6/25	GAMMA <i>instabus</i>
6/31	Communication
6/34	TV/RF/SAT
6/35	Surface-mounting enclosures
6/36	Accessories and spare parts





Clarity of design and function.

Those who like clear-cut elegance, opt for DELTA style, our design series in the DELTA product range.

These switches combine aesthetically pleasing design with high functionality. Minimalistic, elegant, modern - and truly exquisite.

Pure design.

DELTA style

6

At home or at work - a concept that never fails to impress. Design at its best.

■ DELTA style



Titanium white



Titanium white /
metallic silver



Basalt black



Basalt black /
metallic silver



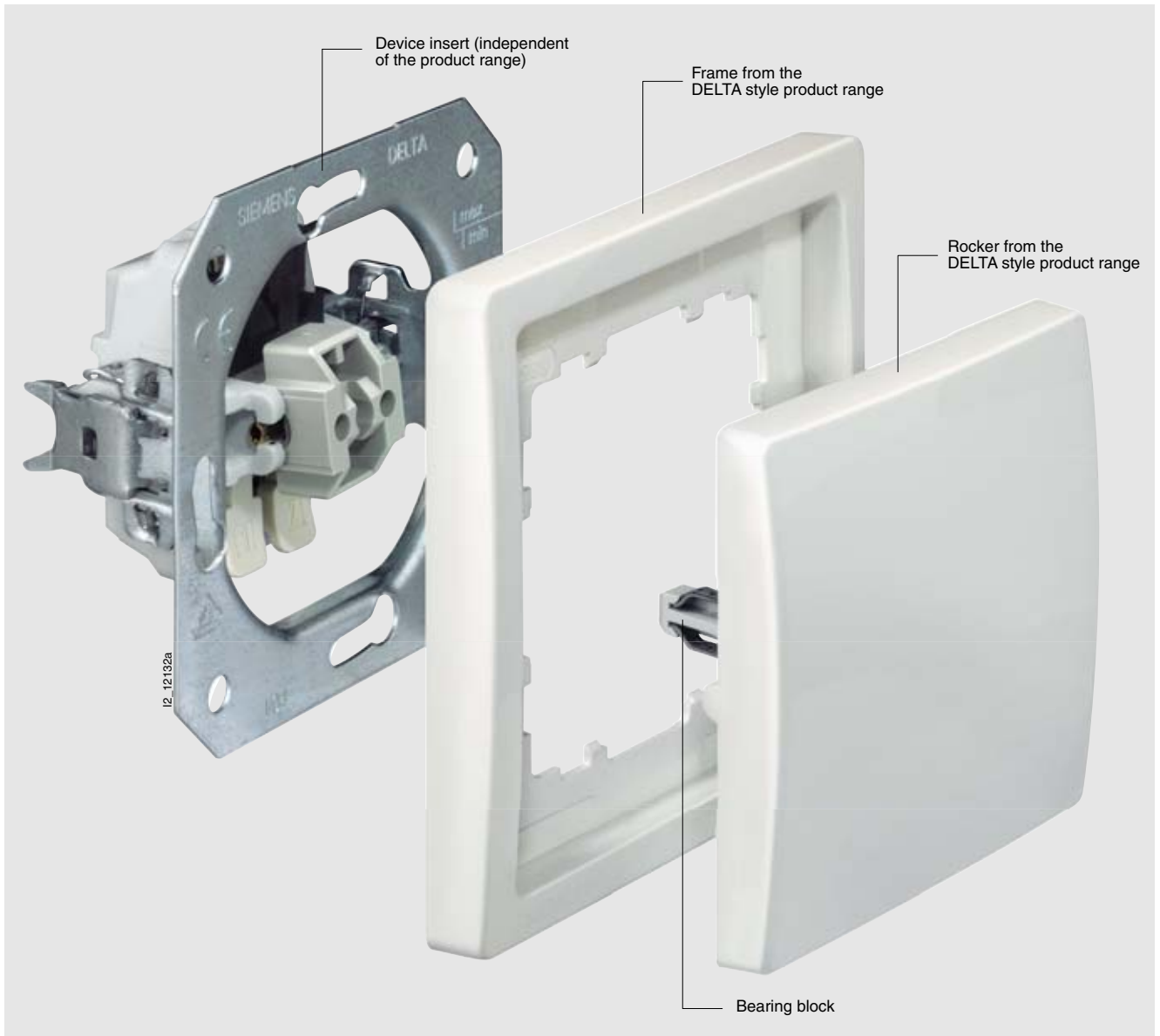
GAMMA *instabus*
pushbuttons, quadruple
Titanium white



Combination
of universal switches and
SCHUKO socket outlets
Titanium white

Components of the DELTA style product range:

- Numerous functions for:
 - Communication
 - Data and voice networks
 - Shutter/blind control, also with radio remote control (GAMMA wave)
 - Time switches
 - Room temperature control
 - Dimmer control, also with radio remote control (GAMMA wave)
 - Motion detection
 - GAMMA *instabus*
- Numerous rocker designs, e.g. with labeling field, inspection window ...
- **SCHUKO** socket outlets in various versions, e.g. with overvoltage protection, status display, labeling field and increased protection against contact
- Set of seals for rockers and socket outlets provides degree of protection IP44



Technical design of the DELTA style product range

Switches and pushbuttons

Selection and ordering data

Version			Order No.	Price	PG	PS* / P. unit
				1 unit		Unit(s)
General information Size of rockers: 68 mm x 68 mm Degree of protection: IP20			5TG4 324	1 set	021	1 set/ 10 sets
Note	Section	Page				
Degree of protection IP44 for rockers can be achieved using the <i>IP44 set of seals</i> , for rockers, see ...	<i>Accessories and spare parts</i>	6/37				
For extension claws, see ...	<i>Functions / Switching/ Pushbutton Control/ Dimming / Accessories and spare parts</i>	12/17				
Rockers, neutral					021	1/10
• Titanium white (similar to RAL 9010)						
• Titanium white / metallic silver (similar to RAL 9010/9007)						
• Basalt black (similar to RAL 7016)						
• Basalt black / metallic silver (similar to RAL 7016/9007)						
Inserts	Section	Page				
Universal switches	Functions / Switching/ Pushbutton Control/ Dimming	12/2				
Intermediate switches	dto.	12/3				
ON/OFF switches, 1-pole	dto.	12/3				
Pushbuttons, 1 NO contact	dto.	12/7				
Pushbuttons, 1 CO contact	dto.	12/8				
DELTA UP 116 bus coupling units, center position, single	Functions / GAMMA Building Controls	19/2				
DELTA UP 116 bus coupling units, pushbutton position, single	dto.	19/2				
Rockers with window						
• Titanium white (similar to RAL 9010)						
• Titanium white / metallic silver (similar to RAL 9010/9007)						
• Basalt black (similar to RAL 7016)						
• Basalt black / metallic silver (similar to RAL 7016/9007)						
Inserts	Section	Page				
Switches with pilot lamp, ON/OFF switching	Functions / Switching/ Pushbutton Control/ Dimming	12/5				
Switches with pilot lamp, for two-way switching	dto.	12/5				
Pushbuttons, 1 NO contact, with separate neutral terminal	dto.	12/8				
Pushbuttons, 1 CO contact, with separate neutral terminal	dto.	12/9				
Pushbuttons, with separate check-back indication	dto.	12/9				
Universal switches	dto.	12/2				
Intermediate switches	dto.	12/3				
ON/OFF switches, 1-pole	dto.	12/3				
Pushbuttons, 1 NO contact	dto.	12/7				
Pushbuttons, 1 CO contact	dto.	12/8				
DELTA UP 116 bus coupling units, center position, single	Functions / GAMMA Building Controls	19/2				
DELTA UP 116 bus coupling units, pushbutton position, single	dto.	19/2				

Switches and pushbuttons

Version	Order No.	Price 1 unit	PG	PS*/ P. unit Unit(s)
 5TG7 155	Rockers with labeling field and window			
	• Titanium white (similar to RAL 9010)	5TG7 155	021	1/10
	• Titanium white / metallic silver (similar to RAL 9010/9007)	5TG7 105	021	1/10
	• Basalt black (similar to RAL 7016)	5TG7 195	021	1/10
	• Basalt black / metallic silver (similar to RAL 7016/9007)	5TG7 175	021	1/10
	Inserts	Section	Page	
	Universal switches	Functions / Switching/ Pushbutton Control/ Dimming	12/2	5TA2 156
	Switches with pilot lamp, ON/OFF switching	dto.	12/5	5TA2 150
	Intermediate switches	dto.	12/3	5TA2 117
	ON/OFF switches, 1-pole	dto.	12/3	5TA2 151
	Switches with pilot lamp, for two-way switching	dto.	12/5	5TA2 108
	Pushbuttons, 1 NO contact	dto.	12/7	5TD2 120
	Pushbuttons, 1 NO contact, with separate neutral terminal	dto.	12/8	5TD2 116
	Pushbuttons, 1 CO contact	dto.	12/8	5TD2 123
	Pushbuttons, with separate check-back indication	dto.	12/9	5TD2 114
	Pushbuttons, 1 CO contact, with separate neutral terminal	dto.	12/9	5TD2 117
	Delay timers	dto.	12/6	5TT1 210
	Timers	dto.	12/6	5TT1 200
	DELTA UP 116 bus coupling units, center position, single	Functions / GAMMA Building Controls	19/2	5WG1 116-2AB01
	DELTA UP 116 bus coupling units, pushbutton position, single	dto.	19/2	5WG1 116-2AB21
 5TG1 316	Note	Section	Page	
	Switches with pilot lamp for ON/OFF switching (5TA2 150) can be used as heating emergency switch. The required 5TG1 316 labeling field insert "Heating Emergency Switch" must be ordered separately, see ...	Accessories and spare parts	6/37	5TG1 316
	For 5TT1 210 delay timer and 5TT1 200 timer, the 5TG1 305 sheet of pictographs for single rocker must be ordered separately, see ...	Accessories and spare parts	6/37	5TG1 305
	Note			
	Our free labeling tool can help you create individual labeling fields. Download at: http://www.siemens.de/beschriftungstool			

Switches and pushbuttons

Version	Order No.	Price	PG	PS*/ P. unit
		1 unit		Unit(s)
 5TG7 156	Rockers with labeling field			
	• Titanium white (similar to RAL 9010)	5TG7 156	021	1/10
	• Titanium white / metallic silver (similar to RAL 9010/9007)	5TG7 106	021	1/10
	• Basalt black (similar to RAL 7016)	5TG7 196	021	1/10
	• Basalt black / metallic silver (similar to RAL 7016/9007)	5TG7 176	021	1/10
	Inserts	Section	Page	
	<i>Universal switches</i>	<i>Functions / Switching/ Pushbutton Control/ Dimming</i>	12/2	5TA2 156
	<i>Intermediate switches</i>	<i>dto.</i>	12/3	5TA2 117
	<i>ON/OFF switches, 1-pole</i>	<i>dto.</i>	12/3	5TA2 151
	<i>Pushbuttons, 1 NO contact</i>	<i>dto.</i>	12/7	5TD2 120
	<i>Pushbuttons, 1 CO contact</i>	<i>dto.</i>	12/8	5TD2 123
	<i>DELTA UP 116 bus coupling units, center position, single</i>	<i>Functions / GAMMA Building Controls</i>	19/2	5WG1 116-2AB01
	<i>DELTA UP 116 bus coupling units, pushbutton position, single</i>	<i>dto.</i>	19/2	5WG1 116-2AB21
	Note	Section	Page	
	For the rocker with labeling field, the 5TG1 305 sheet of pictographs, for single rocker must be ordered separately, see ...	<i>Accessories and spare parts</i>	6/37	5TG1 305
	Note			
	Our free labeling tool can help you create individual labeling fields. Download at: http://www.siemens.de/beschriftungstool			
 5TG7 142	Rockers with I/O symbols			
	• Titanium white (similar to RAL 9010)	5TG7 142	021	1/10
	• Titanium white / metallic silver (similar to RAL 9010/9007)	5TG7 107	021	1/10
	• Basalt black (similar to RAL 7016)	5TG7 182	021	1/10
	• Basalt black / metallic silver (similar to RAL 7016/9007)	5TG7 162	021	1/10
	Inserts	Section	Page	
	<i>ON/OFF switches, 2-pole, 10 AX</i>	<i>Functions / Switching/ Pushbutton Control/ Dimming</i>	12/4	5TA2 112
	<i>ON/OFF switches, 2-pole, 16 AX</i>	<i>dto.</i>	12/4	5TA2 162
	<i>ON/OFF switches, 3-pole, 16 A</i>	<i>dto.</i>	12/4	5TA2 153
	<i>DELTA UP 116 bus coupling units, center position, single</i>	<i>Functions / GAMMA Building Controls</i>	19/2	5WG1 116-2AB01
 5TG7 145	Rockers, double, neutral			
	• Titanium white (similar to RAL 9010)	5TG7 145	021	1/10
	• Titanium white / metallic silver (similar to RAL 9010/9007)	5TG7 116	021	1/10
	• Basalt black (similar to RAL 7016)	5TG7 185	021	1/10
	• Basalt black / metallic silver (similar to RAL 7016/9007)	5TG7 165	021	1/10
	Inserts	Section	Page	
	<i>Double two-way switches</i>	<i>Functions / Switching/ Pushbutton Control/ Dimming</i>	12/6	5TA2 118
	<i>Two-circuit switches</i>	<i>dto.</i>	12/7	5TA2 155
	<i>Pushbuttons, double, 1 NO contact, 1 CO contact</i>	<i>dto.</i>	12/9	5TD2 115
	<i>Pushbuttons, double, 2 NO contacts</i>	<i>dto.</i>	12/10	5TD2 111
	<i>DELTA UP 116 bus coupling units, center position, double</i>	<i>Functions / GAMMA Building Controls</i>	19/2	5WG1 116-2AB11
	<i>DELTA UP 116 bus coupling units, pushbutton position, double</i>	<i>dto.</i>	19/2	5WG1 116-2AB31

Switches and pushbuttons

Version	Order No.	Price	PG	PS*/ P. unit
		1 unit		Unit(s)
 5TG7 158	Rockers, double, with window			
	• Titanium white (similar to RAL 9010)	5TG7 158	021	1/10
	• Titanium white / metallic silver (similar to RAL 9010/9007)	5TG7 117	021	1/10
	• Basalt black (similar to RAL 7016)	5TG7 198	021	1/10
	• Basalt black / metallic silver (similar to RAL 7016/9007)	5TG7 178	021	1/10
	Inserts	Section	Page	
	Two-circuit switches	Functions / Switching/Push-button Control/Dimming	12/7	5TA2 155
	Pushbuttons, double, 2 NO contacts	dto.	12/10	5TD2 111
	DELTA UP 116 bus coupling units, center position, double	Functions / GAMMA Building Controls	19/2	5WG1 116-2AB11
	DELTA UP 116 bus coupling units, pushbutton position, double	dto.	19/2	5WG1 116-2AB31
 5TG7 154	Rockers, double, with labeling field			
	• Titanium white (similar to RAL 9010)	5TG7 154	021	1/10
	• Titanium white / metallic silver (similar to RAL 9010/9007)	5TG7 118	021	1/10
	• Basalt black (similar to RAL 7016)	5TG7 194	021	1/10
	• Basalt black / metallic silver (similar to RAL 7016/9007)	5TG7 174	021	1/10
	Inserts	Section	Page	
	Double two-way switches	Functions / Switching/Push-button Control/Dimming	12/6	5TA2 118
	Two-circuit switches	dto.	12/7	5TA2 155
	Pushbuttons, double, 1 NO contact, 1 CO contact	dto.	12/9	5TD2 115
	Pushbuttons, double, 2 NO contacts	dto.	12/10	5TD2 111
	DELTA UP 116 bus coupling units, center position, double	Functions / GAMMA Building Controls	19/2	5WG1 116-2AB11
	DELTA UP 116 bus coupling units, pushbutton position, double	dto.	19/2	5WG1 116-2AB31
	Note	Section	Page	
	For the rocker, double, with labeling field, the 5TG1 306 sheet of pictographs, for double rocker must be ordered separately, see ...	Accessories and spare parts	6/37	5TG1 306
	Note			
	Our free labeling tool can help you create individual labeling fields. Download at: http://www.siemens.de/beschriftungstool			
 5TG7 157	Rockers, double, with labeling field and window			
	• Titanium white (similar to RAL 9010)	5TG7 157	021	1/10
	• Titanium white / metallic silver (similar to RAL 9010/9007)	5TG7 120	021	1/10
	• Basalt black (similar to RAL 7016)	5TG7 197	021	1/10
	• Basalt black / metallic silver (similar to RAL 7016/9007)	5TG7 177	021	1/10
	Inserts	Section	Page	
	Two-circuit switches	Functions / Switching/Push-button Control/Dimming	12/7	5TA2 155
	Pushbuttons, double, 2 NO contacts	dto.	12/10	5TD2 111
	DELTA UP 116 bus coupling units, center position, double	Functions / GAMMA Building Controls	19/2	5WG1 116-2AB11
	DELTA UP 116 bus coupling units, pushbutton position, double	dto.	19/2	5WG1 116-2AB31
	Note	Section	Page	
	For the rocker, double, with labeling field and window the 5TG1 306 sheet of pictographs, for double rocker must be ordered separately, see ...	Accessories and spare parts	6/37	5TG1 306
	Note			
	Our free labeling tool can help you create individual labeling fields. Download at: http://www.siemens.de/beschriftungstool			

Switches and pushbuttons

Version	Order No.	Price	PG	PS*/ P. unit
		1 unit		Unit(s)
 5TG7 146	Rockers with "Light" symbol and window			
	• Titanium white (similar to RAL 9010)	5TG7 146	021	1/10
	• Titanium white / metallic silver (similar to RAL 9010/9007)	5TG7 127	021	1/10
	• Basalt black (similar to RAL 7016)	5TG7 186	021	1/10
	• Basalt black / metallic silver (similar to RAL 7016/9007)	5TG7 166	021	1/10
	Inserts	Section	Page	
	Universal switches	Functions / Switching/ Pushbutton Control/ Dimming	12/2	5TA2 156
	Intermediate switches	dto.	12/3	5TA2 117
	ON/OFF switches, 1-pole	dto.	12/3	5TA2 151
	Switches with pilot lamp, ON/OFF switching	dto.	12/5	5TA2 150
	Switches with pilot lamp, for two-way switching	dto.	12/5	5TA2 108
	Pushbuttons, 1 NO contact	dto.	12/7	5TD2 120
	Pushbuttons, 1 NO contact, with separate neutral terminal	dto.	12/8	5TD2 116
	Pushbuttons, 1 CO contact, with separate neutral terminal	dto.	12/9	5TD2 117
	Pushbuttons, with separate check-back indication	dto.	12/9	5TD2 114
 5TG7 144	Rockers with "Bell" symbol			
	• Titanium white (similar to RAL 9010)	5TG7 144	021	1/10
	• Titanium white / metallic silver (similar to RAL 9010/9007)	5TG7 124	021	1/10
	• Basalt black (similar to RAL 7016)	5TG7 184	021	1/10
	• Basalt black / metallic silver (similar to RAL 7016/9007)	5TG7 164	021	1/10
	Inserts	Section	Page	
	Pushbuttons, 1 NO contact	Functions / Switching/ Pushbutton Control/ Dimming	12/7	5TD2 120
	Pushbuttons, 1 CO contact	dto.	12/8	5TD2 123
	DELTA UP 116 bus coupling units, pushbutton position, single	Functions / GAMMA Building Controls	19/2	5WG1 116-2AB21
 5TG7 148	Rockers with "Door Opener" symbol			
	• Titanium white (similar to RAL 9010)	5TG7 148	021	1/10
	• Titanium white / metallic silver (similar to RAL 9010/9007)	5TG7 128	021	1/10
	• Basalt black (similar to RAL 7016)	5TG7 188	021	1/10
	• Basalt black / metallic silver (similar to RAL 7016/9007)	5TG7 168	021	1/10
	Inserts	Section	Page	
	Pushbuttons, 1 NO contact	Functions / Switching/ Pushbutton Control/ Dimming	12/7	5TD2 120
	Pushbuttons, 1 CO contact	dto.	12/8	5TD2 123
	DELTA UP 116 bus coupling units, pushbutton position, single	Functions / GAMMA Building Controls	19/2	5WG1 116-2AB21

Selection and ordering data

Version	Order No.	Price 1 unit	PG	PS*/ P. unit Unit(s)
General information • For screw and claw fixing • Degree of protection: IP20 • Size of rockers: 68 mm x 68 mm				
Rockers, double, with Up/Down symbols				
 5TG7 143	• Titanium white (similar to RAL 9010)	5TG7 143	021	1/10
	• Titanium white / metallic silver (similar to RAL 9010/9007)	5TG7 123	021	1/10
	• Basalt black (similar to RAL 7016)	5TG7 183	021	1/10
	• Basalt black / metallic silver (similar to RAL 7016/9007)	5TG7 163	021	1/10
	Inserts	Section	Page	
	Shutter/blind switches, with electrical and mechanical interlock	Functions / Shutter/blind controls	14/2	5TA2 154
	Shutter/blind pushbuttons, with electrical interlock	dto.	14/2	5TA2 114
	DELTA UP 116 bus coupling units, pushbutton position, double	Functions / GAMMA Building Controls	19/2	5WG1 116-2AB31
Shutter/blind key-operated switches for master-key systems, with Up/Down symbols • 10 A, 250 V AC • Key can only be withdrawn in neutral position • For profile semicylinder (5TG4 225) • Changeover contact with neutral position • 1-pole				
 5TA7 685	Versions			
	• Momentary-contact and maintained-contact position to left and right	5TA7 685	021	1
	• Maintained-contact position to left and right	5TA7 686	021	1
	• Momentary-contact position to left and right	5TA7 687	021	1
	Note	Section	Page	
	Technical Specifications, see ...	Technical Information / Shutter/Blind Controls / Shutter/blind key-operated switches, for master-key systems	20/46	
Profile semicylinders for "shutter/blind key-operated switches for master-key systems with Up/Down symbols" • CES product • With three keys of • Identical key type				
 5TG4 225	5TG4 225		021	1/10
Shutter/blind sys pushbuttons • Titanium white (similar to RAL 9010) • Basalt black (similar to RAL 7016)				
 5TC1 337	Inserts			
	Shutter/blind control sys inserts	Functions / Shutter/blind controls	14/3	5TC1 337
	Note	Section	Page	
	For a more detailed explanation of the shutter/blind sys pushbutton, see ...	Technical Information / Shutter/Blind Controls / General	20/43	5TC1 338
	Technical Specifications, see ...	Technical Information / Shutter/Blind Controls / Shutter/blind sys pushbuttons	20/47	5TC1 231

Shutter/blind controls

Version		Order No.	Price	PG	PS*/ P. unit
			1 unit		Unit(s)
 5WG3 211-2GB11	UP 211 wave shutter/blind pushbuttons				
	• Titanium white (similar to RAL 9010)		5WG3 211-2GB11	030	1
	• Basalt black (similar to RAL 7016)		5WG3 211-2GB21	030	1
	Inserts	Section	Page		
	Shutter/blind control sys inserts	Functions / Shutter/blind controls	14/3	5TC1 231	024 1
 5TC1 520	Note	Section	Page		
	For a more detailed explanation of the UP 211 wave shutter/blind pushbutton, see ...		Functions / Remote Control Systems	17/2	
	Shutter/blind controls, in DELTA i-system design		5TC1 520	024	1
	• 55 mm x 55 mm • For controlling a blind or shutter motor with mechanical or electronic limit switches • Operation is by means of 4 control buttons • Titanium white (similar to RAL 9010)				
	Note	Section	Page		
	The intermediate frame for devices with cover plate 55 mm x 55 mm must be ordered separately, see ...		Frames	6/7	5TG1 327
	Product features				
	Flush-mounting device without an extension unit input				
	230 V AC, 50 Hz (N conductor required)				
	For screw and claw fixing				
	Type of connection: screw-type terminals				
	2 relays which are interlocked against each other with a minimum switchover time of approx. 1 s				
	Bridging of voltage interruptions < 0.2 s				
	Connected load max. 1 motor up to 1000 W				
	Pulse duration: approx. 2 min				
	Accuracy: ± 1 min per month				
	Reserve power: > 6 h				
	Switching times: max. 4 (in 2 blocks: Mo ... Fr / Sa ... Su)				
	Factory preset switching times for faster commissioning				
	Possible reset to factory settings				
	Manual operation possible at any time				

Version	Order No.	Price	PG	PS*/ P. unit																													
		1 unit		Unit(s)																													
	Comfort shutter/blind controls, in DELTA i-system design • 55 mm x 55 mm • For controlling a blind or shutter motor with mechanical or electronic limit switches and comprehensive functionality (see the product features) • Menu-controlled operation by means of 4 control buttons • Titanium white (similar to RAL 9010) <table><tr><th>Note</th><th>Section</th><th>Page</th></tr><tr><td>The <i>sun sensor</i> must be ordered separately, see ...</td><td><i>Accessories and spare parts</i></td><td>6/38</td></tr><tr><td>The intermediate frame for devices with cover plate 55 mm x 55 mm must be ordered separately, see ...</td><td><i>Frames</i></td><td>6/7</td></tr></table> Product features <table><tr><td>Flush-mounting device without an extension unit input</td></tr><tr><td>230 V AC, 50 Hz (N conductor required)</td></tr><tr><td>For screw and claw fixing</td></tr><tr><td>Type of connection: screw-type terminals</td></tr><tr><td>2 relays which are interlocked against each other with a minimum switchover time of approx. 1 s</td></tr><tr><td>Bridging of voltage interruptions < 0.2 s</td></tr><tr><td>Connected load max. 1 motor up to 1000 W</td></tr><tr><td>Pulse duration: 2 min factory setting, may be programmed to extend up to 12 min</td></tr><tr><td>Accuracy: ± 1 min per month</td></tr><tr><td>Reserve power: approx. 24 h</td></tr><tr><td>Switching times: max. 18 (can be split up in three memories)</td></tr><tr><td>Factory preset switching times for faster commissioning</td></tr><tr><td>Possible reset to factory settings</td></tr><tr><td>Random generator ± 15 min</td></tr><tr><td>Astro program (can be delayed by ± 1 h 59 min)</td></tr><tr><td>Easy changeover from summer to winter time</td></tr><tr><td>Twilight and sun protection function is possible with an optional sun sensor</td></tr><tr><td>The random and astro functions can be combined</td></tr><tr><td>Manual operation possible at any time</td></tr></table>	Note	Section	Page	The <i>sun sensor</i> must be ordered separately, see ...	<i>Accessories and spare parts</i>	6/38	The intermediate frame for devices with cover plate 55 mm x 55 mm must be ordered separately, see ...	<i>Frames</i>	6/7	Flush-mounting device without an extension unit input	230 V AC, 50 Hz (N conductor required)	For screw and claw fixing	Type of connection: screw-type terminals	2 relays which are interlocked against each other with a minimum switchover time of approx. 1 s	Bridging of voltage interruptions < 0.2 s	Connected load max. 1 motor up to 1000 W	Pulse duration: 2 min factory setting, may be programmed to extend up to 12 min	Accuracy: ± 1 min per month	Reserve power: approx. 24 h	Switching times: max. 18 (can be split up in three memories)	Factory preset switching times for faster commissioning	Possible reset to factory settings	Random generator ± 15 min	Astro program (can be delayed by ± 1 h 59 min)	Easy changeover from summer to winter time	Twilight and sun protection function is possible with an optional sun sensor	The random and astro functions can be combined	Manual operation possible at any time	5TC1 521		024	1
Note	Section	Page																															
The <i>sun sensor</i> must be ordered separately, see ...	<i>Accessories and spare parts</i>	6/38																															
The intermediate frame for devices with cover plate 55 mm x 55 mm must be ordered separately, see ...	<i>Frames</i>	6/7																															
Flush-mounting device without an extension unit input																																	
230 V AC, 50 Hz (N conductor required)																																	
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Manual operation possible at any time																																	
5TC1 521	5TC1 526		024	1																													
	5TG1 327		021	1/10																													
	Shutter/blind control flush-mounting isolating relays • Double, with individual control • Relay for the control of several shutters or blinds • Two motors can be controlled per isolating relay, even if further isolating relays are connected downstream • Option for individual control of connected motors over blind pushbutton (e.g. 5TA2 114) • The isolating relay should be installed in a surface-mounting or flush-mounting box (flush-mounting box from 70 mm Ø or surface-mounting boxes from 100 mm x 100 mm) • Only for in-phase operation • 8 A (AC1) or 3 A (ind.), 230 V AC, 50 Hz • 58 mm x 59 mm x 22 mm <table><tr><th>Note</th><th>Section</th><th>Page</th></tr><tr><td>Technical Specifications, see ...</td><td><i>Technical Information / Shutter/Blind Controls / flush-mounting isolating relays for shutter/blind control</i></td><td>20/55</td></tr></table>	Note	Section	Page	Technical Specifications, see ...	<i>Technical Information / Shutter/Blind Controls / flush-mounting isolating relays for shutter/blind control</i>	20/55	5TC1 270		024	1																						
Note	Section	Page																															
Technical Specifications, see ...	<i>Technical Information / Shutter/Blind Controls / flush-mounting isolating relays for shutter/blind control</i>	20/55																															
5TC1 270																																	

Shutter/blind controls

Version		Order No.	Price	PG	PS*/ P. unit						
			1 unit		Unit(s)						
 5TC1 271	Shutter/blind control flush-mounting isolating relays, compact • Relay for the control of several shutters or blinds • A maximum of two motors can be connected per compact isolating relay, whereby the drive connected to the marked motor terminals can also be individually controlled over a blind pushbutton • If cascaded, a motor can be connected to each compact isolating relay, which can also be individually controlled over a blind pushbutton • The isolating relay should be installed in a surface-mounting or flush-mounting box (flush-mounting box from 60 mm Ø, 40 mm deep or surface-mounting boxes from 75 mm x 75 mm) • Only for in-phase operation • 8 A (AC1) or 3 A (ind.), 230 V AC, 50 Hz • 50 mm x 53 mm x 22 mm	5TC1 271		024	1						
	<table><tr><th>Note</th><th>Section</th><th>Page</th></tr><tr><td>Technical Specifications, see ...</td><td>Technical Information / Shutter/Blind Controls / Compact flush-mounting isolating relays for shutter/ blind control</td><td>20/56</td></tr></table>					Note	Section	Page	Technical Specifications, see ...	Technical Information / Shutter/Blind Controls / Compact flush-mounting isolating relays for shutter/ blind control	20/56
	Note					Section	Page				
Technical Specifications, see ...	Technical Information / Shutter/Blind Controls / Compact flush-mounting isolating relays for shutter/ blind control	20/56									

Socket outlets

Version		Order No.	Price	PG	PS*/ P. unit
			1 unit		Unit(s)
	SCHUKO socket outlets with increased protection against contact, overvoltage protection and function indicators and labeling field				
	• Titanium white (similar to RAL 9010)	5UB1 858		021	1
	• Basalt black (similar to RAL 7016)	5UB1 868		021	1
	Note	Section	Page		
	5UH1 300 spare overvoltage protection modules, see ...	Accessories and spare parts	6/39		
	SCHUKO socket outlets with increased protection against contact				
	• Titanium white (similar to RAL 9010)	5UB1 855		021	1/10
	• Basalt black (similar to RAL 7016)	5UB1 865		021	1/10
	SCHUKO socket outlets with hinged lid				
	• Titanium white (similar to RAL 9010)	5UB1 852		021	1/10
	• Basalt black (similar to RAL 7016)	5UB1 862		021	1/10
	Note	Section	Page		
	Degree of protection IP44 for SCHUKO socket outlets with hinged lid can be achieved using an IP44 seal, for socket outlets, see ...	Accessories and spare parts	6/38		
	Cover plates with hinged lid				
	For conversion of SCHUKO socket outlets				
	• Titanium white (similar to RAL 9010)	5TG1 340		021	1/10
	• Basalt black (similar to RAL 7016)	5TG1 380		021	1/10
	Note				
		Caution: This cover is only suitable as a substitute for the SCHUKO socket outlets with green touch-protected cover.			

Selection and ordering data

Version	Order No.	Price 1 unit	PG	PS*/ P. unit Unit(s)
General information • With screw and claw fixing • Size of cover plates: 68 mm x 68 mm				
Socket outlets with grounding pin and increased protection against contact • 16 A, 250 V AC, live parts of the inserts are covered by molded plastic • 2-pole according to CEE7 • French/Belgian standard • With anti-slip terminals, up to 4 x 2.5 mm²				
 5UB1 367	Versions			
	• Titanium white (similar to RAL 9010)	5UB1 367	021	1/10
	• Basalt black (similar to RAL 7016)	5UB1 370	021	1/10
Socket outlets, according to American standard C 73 • 15 A, 125 V AC • With central plate 51 mm x 51 mm and intermediate frame • Screw-type terminals				
 5UB1 368	Versions			
	• Titanium white (similar to RAL 9010)	5UB1 368	021	1/10
	• Basalt black (similar to RAL 7016)	5UB1 371	021	1/10

Lighting controls

Selection and ordering data

Version	Order No.	Price	PG	PS*/ P. unit
		1 unit		Unit(s)
General information • For screw and claw fixing • Degree of protection: IP20 • Size of cover plates: 68 mm x 68 mm				
Rotary dimmers				
 5TC8 912	Cover plates with rotary button, for dimmers			
	• Titanium white (similar to RAL 9010)			5TC8 912
	• Basalt black (similar to RAL 7016)			5TC8 913
	Symbol	Inserts	Section	Page
		Incandescent lamp dimmers, 50 ... 400 W	Functions / Switch- ing/Pushbutton Con- trol/Dimming	12/10
				
		Incandescent lamp dimmers, 50 ... 600 W, for two-way switching	dto.	12/11
				
		Low-voltage dimmers, for magnetic transformers, 50 ... 600 W, 25 ... 500 VA, for two-way switching	dto.	12/11
				
		Low-voltage dimmers, for electronic transformers, 20 ... 600 W, 20 ... 525 VA, for two-way switching	dto.	12/12
				
		Low-voltage dimmers, for electronic transformers, 60 ... 800 W, 60 ... 800 VA, for two-way switching	dto.	12/12
				
		Electronic potentiometers, switch	dto.	12/14
		Electronic potentiometer, pushbutton	dto.	12/15
				
Sensor dimmers				
 5TG8 511	Cover plates with sensor area			
	• Titanium white (similar to RAL 9010)			5TG8 511
	• Basalt black (similar to RAL 7016)			5TG8 513
	Symbol	Power	Inserts	Section
			Sensor dimmers	
		20 ... 400 W	• Without memory function	Functions / Switch- ing/Pushbutton Con- trol/Dimming
		20 ... 300 VA	• With memory function	dto.

Version	Order No.	Price	PG	PS*/ P. unit	
		1 unit		Unit(s)	
Touch dimmers					
	sys pushbuttons				
	• Titanium white (similar to RAL 9010)			5TC1 317	024 1
	• Basalt black (similar to RAL 7016)			5TC1 318	024 1
	Symbol	Power	Inserts	Section	Page
			Universal dimmer sys insert	Functions / Switching/Pushbutton Control/Dimming	12/14
		50 ... 420 W			
		50 ... 420 VA			
		70 ... 420 VA			
	Note	Section		Page	
	For a more detailed explanation of the sys pushbutton, see ...			Remote Control Systems	17/2
Technical Specifications, see ...			Technical Information / Dimmers / sys pushbuttons	20/15	
Touch dimmers with radio control					
	UP 210 wave pushbuttons				
	• Titanium white (similar to RAL 9010)			5WG3 210-2GB11	030 1
	• Basalt black (similar to RAL 7016)			5WG3 210-2GB21	030 1
	Symbol	Power	Inserts	Section	Page
			Universal dimmer sys insert	Functions / Switching/Pushbutton Control/Dimming	12/14
		50 ... 420 W			
		50 ... 420 VA			
		70 ... 420 VA			
	Note	Section		Page	
	For a more detailed explanation of the UP 210 wave pushbutton, see ...			Remote Control Systems	17/2
Touch switches with radio control					
	UP 210 wave pushbuttons				
	• Titanium white (similar to RAL 9010)			5WG3 210-2GB11	030 1
	• Basalt black (similar to RAL 7016)			5WG3 210-2GB21	030 1
	Power	Inserts	Section	Page	
	25 ... 250 VA	sys switching inserts, 25 ... 250 VA	Functions / Switching/Pushbutton Control/Dimming	12/15	5TC1 232
	15 ... 500 VA	sys switching inserts, 15 ... 500 VA	Functions / Switching/Pushbutton Control/Dimming	12/16	5TC1 233
	Note	Section		Page	
	For a more detailed explanation of the UP 210 wave pushbutton, see ...			Remote Control Systems	17/2
	Speed regulating rheostats				
		Cover plates for speed regulating rheostats			5TC8 927
Titanium white (similar to RAL 9010)					
Symbol		Inserts	Section	Page	
		Speed regulating rheostats, 0.1 ... 2.6 A	Switching/Pushbutton Control/Dimming	12/16	5TC8 604

Motion detectors

Selection and ordering data

Version		Order No.	Price	PG	PS*/ P. unit
			1 unit		Unit(s)
General information • Size of tops: 55 mm x 55 mm • Degree of protection: IP20					
					
5TC1 503 (front view)					
					
5TC1 503 (rear view)					
Motion detector tops, in DELTA i-system design • 55 mm x 55 mm • The motion detector top responds to heat motions and initiates a switching operation • The lighting remains switched on as long as the motion detector top detects movement, otherwise it is switched off after the fixed delay time of approx. 2 min • The lighting is only switched on again after a locking time of 3 sec • Depending on technical requirements (relay, triac or extension unit insert), the motion detector top is operated in combination with a motion detector insert • The sensing range can be extended if combined with a motion detector extension unit insert • 2 different versions are available, depending on the required assembly height (1.10 or 2.20 m) • Thanks to their modular design, tops and inserts can be freely combined • The sensing range of a center unit can be extended by connecting a maximum of 10 motion detector extension units • The number of connectable passive extension units is unlimited (e.g. pushbutton, 1 NO contact, 5TD2 120) • The sensitivity can be continuously set between 20 and 100% • Titanium white (similar to RAL 9010)					
Versions					
• Assembly height 1.10 m		5TC1 503		024	1
• Assembly height 2.20 m		5TC1 504		024	1
Inserts	Section	Page			
Motion detector relay inserts	<i>Functions / Motion Detectors</i>	13/2	5TC1 500	024	1
Motion detector triac inserts	<i>dto.</i>	13/3	5TC1 501	024	1
Motion detector extension unit inserts	<i>dto.</i>	13/4	5TC1 502	024	1
Note	Section	Page			
The intermediate frame for devices with cover plate 55 mm x 55 mm must be ordered separately, see ...	<i>Frames</i>	6/7	5TG1 327	021	1/10
Technical specifications					
Sensing angle	approx. 180°				
Assembly height	1.10 m / 2.20 m (depending on the version)				
Sensing field					
• 1.10 m lens	approx. 10 m x 12 m				
• 2.20 m lens	approx. 12 m x 12 m				
Number of lenses / lens levels					
• 1.10 m lens	18 / 2				
• 2.20 m lens	26 / 3				
Rated voltage flush-mounting inserts	230 V AC , 50 Hz				
Operating temperature	approx. -20 ... +45 °C				
Delay time, permanently set	approx. 2 min				
Locking time after switch-off	approx. 3 s				
Brightness threshold value	approx. 0 ... 80 lux / daytime operation				
Sensitivity	approx. 20 ... 100%				
Number of extension units at the flush-mounting insert					
• Motion detector extension units	max. 10				
• Mechanical pushbuttons	unlimited				

Version	Order No.	Price	PG	PS* / P. unit												
		1 unit		Unit(s)												
	Comfort motion detector tops, in DELTA i-system design															
5TC1 505 (front view)	same as motion detector top, plus:															
	• The Comfort motion detector top can also be set to short-time duty • This way it is possible, for example, to control acoustic signal transducers (bells) for the monitoring of an entry door • The operating mode (continuous OFF / automatic / continuous ON) can be selected by means of a slide switch which can also be secured in the automatic position • The delay time can be infinitely adjusted between 10 s and 30 mins															
																
5TC1 505 (rear view)																
Versions																
• Assembly height 1.10 m																
5TC1 505																
• Assembly height 2.20 m																
5TC1 506																
Inserts																
<table><tr><th>Section</th><th>Page</th><th></th></tr><tr><td>Motion detector relay inserts</td><td><i>Functions / Motion Detectors</i></td><td>13/2</td></tr><tr><td>Motion detector triac inserts</td><td><i>dto.</i></td><td>13/3</td></tr><tr><td>Motion detector extension unit inserts</td><td><i>dto.</i></td><td>13/4</td></tr></table>					Section	Page		Motion detector relay inserts	<i>Functions / Motion Detectors</i>	13/2	Motion detector triac inserts	<i>dto.</i>	13/3	Motion detector extension unit inserts	<i>dto.</i>	13/4
Section	Page															
Motion detector relay inserts	<i>Functions / Motion Detectors</i>	13/2														
Motion detector triac inserts	<i>dto.</i>	13/3														
Motion detector extension unit inserts	<i>dto.</i>	13/4														
5TC1 500																
5TC1 501																
5TC1 502																
Note																
<table><tr><th>Section</th><th>Page</th><th></th></tr><tr><td>The intermediate frame for devices with cover plate 55 mm x 55 mm must be ordered separately, see ...</td><td><i>Frames</i></td><td>6/7</td></tr></table>					Section	Page		The intermediate frame for devices with cover plate 55 mm x 55 mm must be ordered separately, see ...	<i>Frames</i>	6/7						
Section	Page															
The intermediate frame for devices with cover plate 55 mm x 55 mm must be ordered separately, see ...	<i>Frames</i>	6/7														
5TG1 327																
Technical specifications																
Sensing angle approx. 180°																
Assembly height 1.10 m / 2.20 m (depending on the version)																
Sensing field																
• 1.10 m lens approx. 10 m x 12 m • 2.20 m lens approx. 12 m x 12 m																
Number of lenses / lens levels																
• 1.10 m lens 18 / 2 • 2.20 m lens 26 / 3																
Rated voltage flush-mounting inserts 230 V AC , 50 Hz																
Operating temperature approx. -20 ... +45 °C																
Delay time approx. 10 s 30 min																
Interlocking time after switch-off approx. 3 s																
Brightness threshold value approx. 0 ... 80 lux / daytime operation																
Sensitivity approx. 20 ... 100%																
Number of extension units at the flush-mounting insert																
• Motion detector extension units max. 10 • Mechanical pushbuttons unlimited																

Room temperature controllers

Selection and ordering data

Version	Order No.	Price	PG	PS*/ P. unit
		1 unit		Unit(s)
General information • For screw fixing • Degree of protection: IP20 • Size of cover plates: 65 mm x 65 mm, with supplied intermediate frame: 68 mm x 68 mm				
	Cover plates for room temperature controllers, NC/CO			
	• Titanium white (similar to RAL 9010)		5TC9 256	024 1
	• Basalt black (similar to RAL 7016)		5TC9 257	024 1
	Inserts	Section	Page	
	Room temperature controllers, 1 NC contact	Functions / Room Temperature Controls	15/2	5TC9 200
	Room temperature controllers, 1 CO contact	dto.	15/2	5TC9 201
5TC9 256				
	Cover plates for room temperature controllers, 3-position switch Possible positions: automatic timing, constant day temperature, constant nighttime reduction.			
	• Titanium white (similar to RAL 9010)		5TC9 258	024 1
	• Basalt black (similar to RAL 7016)		5TC9 260	024 1
	Inserts	Section	Page	
	Room temperature controllers, 3-position switch	Functions / Room Temperature Controls	15/3	5TC9 202
5TC9 258				
	Cover plates for room temperature controllers, direct floor heating			
	• Titanium white (similar to RAL 9010)		5TC9 261	024 1
	• Basalt black (similar to RAL 7016)		5TC9 262	024 1
	Inserts	Section	Page	
	Room temperature controllers, direct floor heating	Functions / Room Temperature Controls	15/3	5TC9 203
5TC9 261				

Selection and ordering data

Version	Order No.	Price	PG	PS*/ P. unit
		1 unit		Unit(s)
General information • Size of rockers: 68 mm x 68 mm • Degree of protection: IP20				
Note	Section	Page		
For extension claws, see ...	Functions / Switching/ Pushbutton Control/ Dimming / Accessories and spare parts	12/17		
 5WG1 285-2AB11				
UP 285 pushbuttons, single with labeling field, orientation light, status indication, single				
• Titanium white (similar to RAL 9010)		5WG1 285-2AB11	030	1
• Titanium white / metallic silver (similar to RAL 9010/9007)		5WG1 285-2AB81	030	1
• Basalt black (similar to RAL 7016)		5WG1 285-2AB21	030	1
• Basalt black / metallic silver (similar to RAL 7016/9007)		5WG1 285-2AB01	030	1
Inserts	Section	Page		
UP 110 bus coupling units				
• Mounting depth 27 mm	Functions / GAMMA Build- ing Controls	19/2	5WG1 110-2AB03	030 1
• Mounting depth 19 mm	dto.	19/2	5WG1 110-2AB11	030 1
UP 110 wave wall-mounted transmitters 230 V Remote Control Systems		17/5	5WG3 110-2AB11	030 1
UP 110 wave wall-mounted battery transmitters		dto. 17/5	5WG3 110-2AB01	030 1
Actuator UP 560 wave wall-mounted transmitters 230 V		dto. 17/7	5WG3 560-2AB01	030 1
Note Our free labeling tool can help you create individual labeling fields. Download at: http://www.siemens.de/beschriftungstool				
 5WG1 286-2AB11				
UP 286 pushbuttons, double with labeling field, orientation light, status indication, double				
• Titanium white (similar to RAL 9010)		5WG1 286-2AB11	030	1
• Titanium white / metallic silver (similar to RAL 9010/9007)		5WG1 286-2AB81	030	1
• Basalt black (similar to RAL 7016)		5WG1 286-2AB21	030	1
• Basalt black / metallic silver (similar to RAL 7016/9007)		5WG1 286-2AB01	030	1
Inserts	Section	Page		
UP 110 bus coupling units				
• Mounting depth 27 mm	Functions / GAMMA Build- ing Controls	19/2	5WG1 110-2AB03	030 1
• Mounting depth 19 mm	dto.	19/2	5WG1 110-2AB11	030 1
UP 110 wave wall-mounted transmitters 230 V Remote Control Systems		17/5	5WG3 110-2AB11	030 1
UP 110 wave wall-mounted battery transmitters		dto. 17/5	5WG3 110-2AB01	030 1
Actuator UP 560 wave wall-mounted transmitters 230 V		dto. 17/7	5WG3 560-2AB01	030 1
Note Our free labeling tool can help you create individual labeling fields. Download at: http://www.siemens.de/beschriftungstool				
 5WG1 287-2AB11				
UP 287 pushbuttons, quadruple with labeling field, orientation light, status indication, quadruple				
• Titanium white (similar to RAL 9010)		5WG1 287-2AB11	030	1
• Titanium white / metallic silver (similar to RAL 9010/9007)		5WG1 287-2AB81	030	1
• Basalt black (similar to RAL 7016)		5WG1 287-2AB21	030	1
• Basalt black / metallic silver (similar to RAL 7016/9007)		5WG1 287-2AB01	030	1
Inserts	Section	Page		
UP 110 bus coupling units				
• Mounting depth 27 mm	Functions / GAMMA Build- ing Controls	19/2	5WG1 110-2AB03	030 1
• Mounting depth 19 mm	dto.	19/2	5WG1 110-2AB11	030 1
Note Our free labeling tool can help you create individual labeling fields. Download at: http://www.siemens.de/beschriftungstool				

* You can order this quantity or a multiple thereof.

Version		Order No.	Price	PG	PS*/ P. unit
			1 unit		Unit(s)
	UP 285 + IR pushbuttons, single with labeling field, orientation light or status indication, single				
	• Titanium white (similar to RAL 9010)	5WG1 285-2EB11		030	1
	• Titanium white / metallic silver (similar to RAL 9010/9007)	5WG1 285-2EB81		030	1
	• Basalt black (similar to RAL 7016)	5WG1 285-2EB21		030	1
	• Basalt black / metallic silver (similar to RAL 7016/9007)	5WG1 285-2EB01		030	1
	Inserts	Section	Page		
5WG1 285-2EB11	UP 114 bus coupling units	Functions / GAMMA Building Controls	19/3	5WG1 114-2AB02	030 1
Note					
Our free labeling tool can help you create individual labeling fields. Download at: http://www.siemens.de/beschriftungstool					
	UP 286 + IR pushbuttons, double with labeling field, orientation light or status indication, double				
	• Titanium white (similar to RAL 9010)	5WG1 286-2EB11		030	1
	• Titanium white / metallic silver (similar to RAL 9010/9007)	5WG1 286-2EB81		030	1
	• Basalt black (similar to RAL 7016)	5WG1 286-2EB21		030	1
	• Basalt black / metallic silver (similar to RAL 7016/9007)	5WG1 286-2EB01		030	1
	Inserts	Section	Page		
5WG1 286-2EB11	UP 114 bus coupling units	Functions / GAMMA Building Controls	19/3	5WG1 114-2AB02	030 1
Note					
Our free labeling tool can help you create individual labeling fields. Download at: http://www.siemens.de/beschriftungstool					
	UP 287 + IR pushbuttons, quadruple with labeling field, orientation light or status indication, quadruple				
	• Titanium white (similar to RAL 9010)	5WG1 287-2EB11		030	1
	• Titanium white / metallic silver (similar to RAL 9010/9007)	5WG1 287-2EB81		030	1
	• Basalt black (similar to RAL 7016)	5WG1 287-2EB21		030	1
	• Basalt black / metallic silver (similar to RAL 7016/9007)	5WG1 287-2EB01		030	1
	Inserts	Section	Page		
5WG1 287-2EB11	UP 114 bus coupling units	Functions / GAMMA Building Controls	19/3	5WG1 114-2AB02	030 1
Note					
Our free labeling tool can help you create individual labeling fields. Download at: http://www.siemens.de/beschriftungstool					
	UP 230/2 pushbuttons				
	• Center position				
	• With motion detector and brightness sensor				
	• 2 outer rockers per 2 LEDs				
	• 2 inner rockers per 1 LED				
	• Size of cover plates: 65 mm x 65 mm				
	• Outer dimensions with intermediate frame: 68 mm x 68 mm				
	Versions				
	• Titanium white (similar to RAL 9010)	5WG1 230-2EB12			
	• Titanium white / metallic silver (similar to RAL 9010/9007)	—			
	• Basalt black (similar to RAL 7016)	5WG1 230-2EB22			
	• Basalt black / metallic silver (similar to RAL 7016/9007)	—			
	Inserts	Section	Page		
5WG1 230-2EB12	UP 110 bus coupling units				
	• Mounting depth 27 mm	Functions / GAMMA Building Controls	19/2	5WG1 110-2AB03	030 1
	• Mounting depth 19 mm	dto.	19/2	5WG1 110-2AB11	030 1
Note		Section	Page		
The following <i>intermediate frames</i> must be ordered separately, in order to achieve the outer dimensions 68 mm x 68 mm:					
	• Titanium white (similar to RAL 9010)	Frames	6/7	5TG1 328	021 1/10
	• Basalt black (similar to RAL 7016)	dto.	6/7	5TG1 368	021 1/10

Version	Order No.	Price	PG	PS*/ P. unit
		1 unit		Unit(s)
 5WG1 231-2EB13	UP 231/3 pushbuttons • Center position • With adaptive room temperature controller • 2 outer rockers per 2 LEDs • 2 inner rockers per 1 LED • Size of cover plates: 65 mm x 65 mm • Outer dimensions with intermediate frame: 68 mm x 68 mm			
	Versions			
	• Titanium white (similar to RAL 9010)	5WG1 231-2EB13	030	1
	• Titanium white / metallic silver (similar to RAL 9010/9007)	—		
	• Basalt black (similar to RAL 7016)	5WG1 231-2EB23	030	1
	• Basalt black / metallic silver (similar to RAL 7016/9007)	—		
	Inserts	Section	Page	
	UP 114 bus coupling units	Functions / GAMMA Building Controls	19/3	
	Note	Section	Page	
	The following <i>intermediate frames</i> must be ordered separately, in order to achieve the outer dimensions 68 mm x 68 mm:			
 5WG1 585-2AB11	• Titanium white (similar to RAL 9010)	5TG1 328	021	1/10
	• Basalt black (similar to RAL 7016)	5TG1 368	021	1/10
	UP 585 display and control units • Graphical LCD with integrated bus coupling unit • User configurable, different fonts, characters and symbols on up to 5 lines with max. 30 characters/line • Background lighting yellow-green, On/Off is programmable • Indications can be signaled with acoustic alarm, acoustic check-back indication possible over pushbutton control • 1 pair of pushbuttons available for shifting/rolling the lines and one pair for function execution in the system			
	Versions			
	• Titanium white (similar to RAL 9010)	5WG1 585-2AB11	030	1
	• Titanium white / metallic silver (similar to RAL 9010/9007)	—		
	• Basalt black (similar to RAL 7016)	5WG1 584-2AB21	030	1
	• Basalt black / metallic silver (similar to RAL 7016/9007)	—		
	Note	Section	Page	
	The following <i>intermediate frames</i> must be ordered separately, in order to achieve the outer dimensions 68 mm x 68 mm:			
	• Titanium white (similar to RAL 9010)	5TG1 328	021	1/10
	• Basalt black (similar to RAL 7016)	5TG1 368	021	1/10
	Technical specifications			
	LCD resolution	132 x 65 pixels		
	Fonts and symbols	can be selected or are user configurable		
	Background lighting	continuously "ON" or continuously "OFF" using pushbuttons with adjustable delay time, by means of bus telegram or alarm function		
	Alarm functions	visual and/or acoustic with acknowledgment option		

Version			Order No.	Price	PG	PS*/ P. unit
				1 unit		Unit(s)
 5WG1 254-2AB13	UP 254 room temperature controllers • Can be used as a two-position controller or continuous-action controller • For controlling electrothermal or electromotive actuators • 5 LEDs for operating status display • Presence pushbutton • Rotary button for shifting the basic setpoint					
	Versions					
	• Titanium white (similar to RAL 9010)		—			
	• Titanium white / metallic silver (similar to RAL 9010/9007)		5WG1 254-2AB13		030	1
	• Basalt black (similar to RAL 7016)		—			
	• Basalt black / metallic silver (similar to RAL 7016/9007)		5WG1 254-2AB23		030	1
	Inserts	Section	Page			
	UP 110 bus coupling units					
	• Mounting depth 27 mm	Functions / GAMMA Building Controls	19/2	5WG1 110-2AB03	030	1
	• Mounting depth 19 mm	dto.	19/2	5WG1 110-2AB11	030	1
 5WG1 146-2AB11	UP 146 RS 232 interfaces • Supports connection of a PC for addressing, parameter assignment, visualization, logging and diagnostics of the bus device • Transfer rate: 9600/19200 baud					
	Versions					
	• Titanium white (similar to RAL 9010)		5WG1 146-2AB11		030	1
	• Titanium white / metallic silver (similar to RAL 9010/9007)		—			
	• Basalt black (similar to RAL 7016)		—			
	• Basalt black / metallic silver (similar to RAL 7016/9007)		—			
	Inserts	Section	Page			
	UP 110 bus coupling units					
	• Mounting depth 27 mm	Functions / GAMMA Building Controls	19/2	5WG1 110-2AB03	030	1
	• Mounting depth 19 mm	dto.	19/2	5WG1 110-2AB11	030	1
 5WG1 146-2EB11	UP 146 E interfaces • Supports connection of a PC to the KNX EIB over the integrated USB socket (type B): For addressing, parameter assignment, visualization, logging and diagnosis of the bus devices • Connection can be implemented either using the standard or the FT1.2 protocol • Transfer rate: 9600 baud (19200 baud at FT1.2) • Titanium white (similar to RAL 9010)		5WG1 146-2EB11			
	Inserts		Section	Page		
	UP 110 bus coupling units					
	• Mounting depth 27 mm	Functions / GAMMA Building Controls	19/2	5WG1 110-2AB03	030	1
	• Mounting depth 19 mm	dto.	19/2	5WG1 110-2AB11	030	1
	UP 114 bus coupling units		dto.	19/3	5WG1 114-2AB02	030 1
	Note		Section	Page		
	The following <i>intermediate frames</i> must be ordered separately, in order to achieve the outer dimensions 68 mm x 68 mm:					
	• Titanium white (similar to RAL 9010)	Frames	6/7	5TG1 328	021	1/10
	• Basalt black (similar to RAL 7016)	Frames	6/7	5TG1 368	021	1/10

Version		Order No.	Price	PG	PS*/ P. unit
			1 unit		Unit(s)
 5WG3 140-2GB11	UP 140 couplers • Connect the GAMMA wave radio system with the GAMMA <i>instabus</i> • The coupler is a special wave pushbutton, which is clipped onto an <i>instabus</i> UP 114 bus coupling unit • Transmission is bidirectional • Whereby indications and commands that are received over radio waves are sent on the <i>instabus</i> and vice versa • Bus telegrams received over radio waves are forwarded • The pushbutton of the coupler also supports an additional operator function over radio and/or over <i>instabus</i> • The coupler is programmed and the radio components are taught using the ETS • Height: 27 mm (incl. spring)				
	Versions				
	• Titanium white (similar to RAL 9010)	5WG3 140-2GB11		030	1
	• Basalt black / metallic silver (similar to RAL 7016/9007)	5WG3 140-2GB21		030	1
	Inserts	Section	Page		
	<i>UP 114 bus coupling units</i>	<i>Functions / GAMMA Building Controls</i>	19/3	5WG1 114-2AB02	030 1
 5WG1 272-2AB11	UP 272 water sensors with 2 m sensor cable				
	• Titanium white (similar to RAL 9010)	5WG1 272-2AB11		030	1
	• Titanium white / metallic silver (similar to RAL 9010/9007)	—			
	• Basalt black (similar to RAL 7016)	—			
	• Basalt black / metallic silver (similar to RAL 7016/9007)	—			
	Inserts	Section	Page		
	<i>UP 110 bus coupling units</i>				
	• Mounting depth 27 mm	<i>Functions / GAMMA Building Controls</i>	19/2	5WG1 110-2AB03	030 1
	• Mounting depth 19 mm	<i>dto.</i>	19/2	5WG1 110-2AB11	030 1
	Note	Section	Page		
The following <i>intermediate frames</i> must be ordered separately, in order to achieve the outer dimensions 68 mm x 68 mm:					
• Titanium white (similar to RAL 9010)	<i>Frames</i>	6/7	5TG1 328	021	1/10
• Basalt black (similar to RAL 7016)	<i>dto.</i>	6/7	5TG1 368	021	1/10

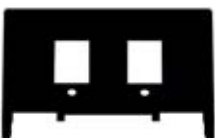
Version		Order No.	Price	PG	PS*/ P. unit
			1 unit		Unit(s)
 5WG1 255-2AB11	UP 255/257 motion detectors • Proximity switches for detecting persons • The integrated passive infrared motion sensor (PIR) reacts to temperature changes in its sensing range • Can be used as stand-alone device or for main and secondary operation				
	Versions				
	• Assembly height 1.10 m				
	– titanium white (similar to RAL 9010)		5WG1 255-2AB11	030	1
	– titanium white / metallic silver (similar to RAL 9010/9007)		—		
	– basalt black (similar to RAL 7016)		5WG1 257-2AB21	030	1
	– basalt black / metallic silver (similar to RAL 7016/9007)		—		
	• Assembly height 2.20 m				
	– titanium white (similar to RAL 9010)		5WG1 255-2AB12	030	1
	– titanium white / metallic silver (similar to RAL 9010/9007)		—		
	– basalt black (similar to RAL 7016)		5WG1 257-2AB22	030	1
	– basalt black / metallic silver (similar to RAL 7016/9007)		—		
	Inserts	Section	Page		
	<i>UP 110 bus coupling units</i>				
	• Mounting depth 27 mm	Functions / GAMMA Building Controls	19/2	5WG1 110-2AB03	030 1
	• Mounting depth 19 mm	dto.	19/2	5WG1 110-2AB11	030 1
	Note	Section	Page		
	The following <i>intermediate frames</i> must be ordered separately, in order to achieve the outer dimensions 68 mm x 68 mm:				
	• Titanium white (similar to RAL 9010)	Frames	6/7	5TG1 328	021 1/10
	• Basalt black (similar to RAL 7016)	dto.	6/7	5TG1 368	021 1/10
 5WG1 563-2AB11	UP 563 function modules • For the manufacture of switchable SCHUKO socket outlets • 10 A switch actuator with integrated bus coupling unit • For mounting on screwless SCHUKO socket outlets (not for double socket outlets or socket outlets with overvoltage protection) • For the integration of switchable SCHUKO socket outlets in the DELTA style product range 60 mm deep switch and socket box with mounted leveling ring (24 mm), i.e. an overall depth of 84 mm is required.		5WG1 563-2AB11	030	1
	Note				
	The SCHUKO socket outlet and corresponding frame must be ordered separately; we recommend selecting a SCHUKO outlet with status display, which allows you to check the circuit state at any time.				

Selection and ordering data

Version	Order No.	Price	PG	PS*/ P. unit	
		1 unit		Unit(s)	
General information Size of cover plates: 68 mm x 68 mm					
 5TG1 342	Cover plates for TAE outlet boxes and loudspeaker outlet boxes				
	• Titanium white (similar to RAL 9010)			5TG1 342	021 1/10
	• Basalt black (similar to RAL 7016)			5TG1 382	021 1/10
	Inserts	Section	Page		
	TAE 6F+N, black ¹⁾	Data and Communication Systems	16/3	5TG2 853	021 1
	TAE 3x 6NFN, black ¹⁾	dto.	16/3	5TG2 480	021 1
	TAE 2x 6/6NFF, black ¹⁾	dto.	16/3	5TG2 854	021 1
	UAE 8/6 / TAE 6F+N, black	dto.	16/3	5TG2 855	021 1
	Loudspeaker outlet boxes, single	dto.	16/10	5TG2 467-2	021 1
	Loudspeaker outlet boxes, double	dto.	16/10	5TG2 468-2	021 1
Footnote					
¹⁾ Design for Austria on request.					
 5TG1 344	Cover plates for UAE outlet boxes, Cat 3				
	• For Ackermann inserts, (without central plate)				
	• With 45° inclined outlet				
	Versions				
	• 1 x 6/8-pole				
	– titanium white (similar to RAL 9010)			5TG1 344	021 1
	– basalt black (similar to RAL 7016)			5TG1 384	021 1
• 2 x 6/8-pole					
– titanium white (similar to RAL 9010)			5TG1 345	021 1	
– basalt black (similar to RAL 7016)			5TG1 385	021 1	
 5TG1 331	Cover plates for UAE outlet boxes				
	• For Cat 3, Cat 5 and Cat 6 inserts from Rutenbeck				
	• For Cat 6 inserts from BTR (E-DAT)				
	• With 45° inclined outlet				
	• For single and double				
	• Inclined outlet can be knocked out for 2 x 8 inserts				
	Versions				
	• Titanium white (similar to RAL 9010)			5TG1 331	021 1/10
	• Basalt black (similar to RAL 7016)			5TG1 371	021 1/10
	Inserts	Section	Page		
	UAE outlet boxes, Cat 3, Rutenbeck				
	• 1 x 8-pole	Data and Communication Systems	16/4	5TG2 417	021 1
	• 2 x 8-pole	dto.	16/4	5TG2 406	021 1
	UAE outlet boxes, Cat 5e, Rutenbeck				
• 1 x 8-pole	dto.	16/4	5TG2 418	021 1	
• 2 x 8-pole	dto.	16/4	5TG2 407	021 1	
UAE outlet boxes, real Cat 6, Rutenbeck, 2 x 8-pole	dto.	16/4	5TG2 448	021 1	
Note					
The UAE cover plate can be combined with					
• AMJ45 and UMJ45 Up 0 inserts (without central plate) from Telegärtner,					
• AMP-TWIST-6S Plannar Up 0 inserts from Tyco electronics and					
• Cat 5e UP 0 inserts from Tyco electronics.					

Communication

Version		Order No.	Price	PG	PS*/ P. unit
			1 unit		Unit(s)
	Cover plates for UAE outlet boxes, with labeling field				
	• For Cat 3, Cat 5 and Cat 6 inserts from Rutenbeck • For Cat 6 inserts from BTR (E-DAT) • With 45° inclined outlet • For single and double • Inclined outlet can be knocked out for 2 x 8 inserts				
	Versions				
	• Titanium white (similar to RAL 9010)	5TG1 332		021	1/10
	• Basalt black (similar to RAL 7016)	5TG1 372		021	1/10
	Inserts	Section	Page		
	<i>UAE outlet boxes, Cat 3, Rutenbeck</i>				
	• 1 x 8-pole	<i>Data and Communication Systems</i>	16/4	5TG2 417	021 1
	• 2 x 8-pole	<i>dto.</i>	16/4	5TG2 406	021 1
	<i>UAE outlet boxes, Cat 5e, Rutenbeck</i>				
	• 1 x 8-pole	<i>dto.</i>	16/4	5TG2 418	021 1
	• 2 x 8-pole	<i>dto.</i>	16/4	5TG2 407	021 1
	<i>UAE outlet boxes, real Cat 6, Rutenbeck, 2 x 8-pole</i>	<i>dto.</i>	16/4	5TG2 448	021 1
	Note				
	The UAE cover plate can be combined with • AMJ45 and UMJ45 Up 0 inserts (without central plate) from Telegärtner, • AMP-TWIST-6S Plannar Up 0 inserts from Tyco electronics and • Cat 5e UP 0 inserts from Tyco electronics. Our free labeling tool can help you create individual labeling fields. Download at: http://www.siemens.de/beschriftungstool				
	Cover plates, for Modular Jack support plates				
	• Cover plates with shutter • For Modular Jack support plates				
	Versions				
	• Titanium white (similar to RAL 9010)	5TG2 056		021	1
	• Electrical white (RAL 1013)	5TG2 057		021	1
	Inserts	Section	Page		
	<i>Modular Jack support plates</i>				
	• Red insert	<i>Functions / Data and Communication Systems</i>	16/5	5TG2 078	021 1
	• Black insert	<i>dto.</i>	16/5	5TG2 080	021 1
	• Yellow insert	<i>dto.</i>	16/5	5TG2 081	021 1
	• Orange insert	<i>dto.</i>	16/6	5TG2 082	021 1
	• Blue insert	<i>dto.</i>	16/6	5TG2 083	021 1
	• Brown insert	<i>dto.</i>	16/6	5TG2 084	021 1
	Note				
	Intermediate frame required for insertion in devices, 55 x 55 mm (5TG1 893)				
	Cover plates, inclined outlets				
	• For fiber-optic mounting plates • For screw fixing				
	Versions				
	• Titanium white (similar to RAL 9010)	5TG1 358		021	1
	• Basalt black (similar to RAL 7016)	5TG1 398		021	1
	Note				
	Our free labeling tool can help you create individual labeling fields. Download at: http://www.siemens.de/beschriftungstool				

Version		Order No.	Price 1 unit	PG	PS*/ P. unit Unit(s)
 5TG1 913	Mounting plates for "cover plates, inclined outlets", 2 x "ST" AMP for fiber-optic installation couplings	5TG1 913		021	1/10
	 5TG1 914	Mounting plates for "cover plates, inclined outlets", 2 x "SC" AMP for fiber-optic installation couplings	5TG1 914	021	1/10
	 5TG1 915	Mounting plates for "cover plates, inclined outlets", 2 x "SC Duplex" AMP for fiber-optic installation couplings	5TG1 915	021	1/10

TV/RF/SAT

Selection and ordering data

Version		Order No.	Price	PG	PS*/ P. unit		
			1 unit		Unit(s)		
General information Size of cover plates: 68 mm x 68 mm							
	Cover plates for TV/RF/SAT connection, 2-hole and 3-hole version						
	• Titanium white (similar to RAL 9010)			5TG1 338	021	1/10	
	• Basalt black (similar to RAL 7016)			5TG1 378	021	1/10	
	Inserts	Section		Page			
	<i>Aerial branch-circuit boxes</i>	<i>Functions / Data and Communication Systems</i>		16/2	5TG2 485	021	1/10
	<i>Aerial through-way boxes/terminal boxes</i>	<i>dto.</i>		16/2	5TG2 484	021	1/10
	Note						
	<i>3rd hole can be knocked out</i>						
	Cover plates for TV/RF/SAT connection, 4-hole version						
	• With double SAT connection						
	• Suitable for Hirschmann SAT EVU O2F and GEVU 15S boxes						
	Versions						
	• Titanium white (similar to RAL 9010)			5TG1 337	021	1/10	
• Basalt black (similar to RAL 7016)		5TG1 377	021	1/10			

5TG1 338

5TG1 337

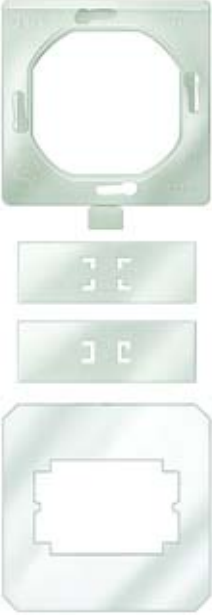
Version	Order No.	Price	PG	PS*/ P. unit
		1 unit		Unit(s)
General information • For horizontal and vertical mounting • Degree of protection: IP20				
Note	Section	Page		
Degree of protection IP44 for rockers can be achieved with the 5TG4 324 set of seals, see ..	<i>Accessories and spare parts</i>	6/37	5TG4 324	1 set 021 1 set/ 10 sets
Degree of protection IP44 for SCHUKO socket outlets with hinged lids can be achieved with the 5TG4 318 set of seals, see ...	<i>dto.</i>	6/38	5TG4 318	1 set 021 1 set/ 10 sets
Surface-mounting enclosures • Flame-resistant base plate • Titanium white (similar to RAL 9010)				
Versions				
• Single, 84 mm x 84 mm x 42.5 mm			5TG2 901	021 1/5
• Double, 155 mm x 84 mm x 42.5 mm			5TG2 902	021 1/3
• Triple, 226 mm x 84 mm x 42.5 mm			5TG2 903	021 1/2
Note				
The PE conductor can be looped through by inserting a WAGO 2-conductor junction box terminal (WAGO order number: 273-252) in the pocket provided for this purpose in the base plate				
Included in delivery:				
Type	Dummy nipple	Slide nipple cable entry	Slide nipple channel entry	
Single	2 units	1 unit	1 unit	
Double	4 units	1 unit	1 unit	
Triple	4 units	1 unit	1 unit	
Accessories				
<i>Slide nipple cable entry</i> titanium white (similar to RAL 9010) (one set contains 10 units)		<i>Accessories and spare parts</i>	6/39	5TG2 905 1 set 021 1 set
<i>Slide nipple channel entry</i> titanium white (similar to RAL 9010) (one set contains 10 units)		<i>dto.</i>	6/39	5TG2 904 1 set 021 1 set

Accessories and spare parts

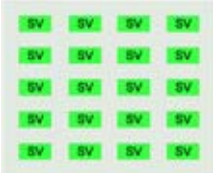
Selection and ordering data

Version	Order No.	Price	PG	PS*/ P. unit
		1 unit		Unit(s)
Add-on devices				
General information - Size of cover plates: 68 mm x 68 mm - For screw and claw fixing				
Blanking cover plates				
	• Titanium white (RAL 9010)	5TG1 330	021	1/10
	• Basalt black (similar to RAL 7016)	5TG1 370	021	1/10
	Note	Section	Page	
	The blanking cover can also be used with the <i>UP 141 repeater wave insert</i> (5WG3 141-2AB01), see ... <i>Remote Control Systems / GAMMA wave - The Multifunctional Radio System / Inserts</i>			
5TG1 330				
Outlet plates				
	• Titanium white (RAL 9010)	5TG1 335	021	1/10
	• Basalt black (similar to RAL 7016)	5TG1 375	021	1/10
5TG1 335				
Light signals				
250 V AC with transformer - With tubular lamp, 12 V AC, 1.2 W - With red window				
	Versions			
	• Titanium white (RAL 9010)	5TD2 860	021	1
	• Basalt black (similar to RAL 7016)	5TD2 861	021	1
	Note	Section	Page	
5TD2 860	<i>5TG1 897 spare tubular lamp, see ...</i> <i>Accessories and spare parts</i> 6/39 5TG1 897			
	<i>5TG1 898 spare window, see ...</i> <i>dto.</i> 6/39 5TG1 898			
	Note Our free labeling tool can help you create individual labeling fields. Download at: http://www.siemens.de/beschriftungstool			
			1 set	1 set/ 10 sets
Volume controls				
3 W, 27 Ω, mono				
	• Titanium white (RAL 9010)	5TG4 812	021	1
	• Basalt black (similar to RAL 7016)	5TG4 813	021	1
5TG4 812				

Accessories and spare parts

Version	Order No.	Price	PG	PS*/ P. unit
		1 unit		Unit(s)
Accessories for rockers				
	Sheets of pictographs with labels for rockers with labeling field(s)			
	• For single rocker	5TG1 305	021	1
	• For double rocker	5TG1 306	021	1
5TG1 305				
	Labeling field insert "Heating Emergency Switch" for rockers with labeling field			
	5TG1 316		021	1
5TG1 316				
	IP44 sets of seals for rockers • For single or double rockers • 1 set contains 4 individual seals			
	5TG4 324	1 set	021	1 set/ 10 sets
5TG4 324				

Accessories and spare parts

Version	Order No.	Price	PG	PS*/ P. unit						
		1 unit		Unit(s)						
Accessories for socket outlets										
 5TG4 318	IP44 seals, for socket outlets • For SCHUKO socket outlets with hinged lid • 1 set contains a single individual seal	5TG4 318	1 set	021 1 set/ 10 sets						
 5UH1 084	Label sheets "SV" • For marking the inserts • 1 sheet contains 20 self-adhesive labels	5UH1 084		021 1						
 5UH1 085	Label sheets "ZSV" • For marking the inserts • 1 sheet contains 20 self-adhesive labels	5UH1 085		021 1						
 5UH1 086	Label sheets "WSV" • For marking the inserts • 1 sheet contains 20 self-adhesive labels	5UH1 086		021 1						
Accessories for dimmers										
 5TG8 302	Spare fuses 250 V • T 1.6 H 250 V – for incandescent lamp dimmers, 50 ... 400 W (5TC8 256) – for sensor dimmers, without/with memory function, 20 ... 400 W (5TC8 240 / 5TC8 232) • T 2.5 H 250 V – for incandescent lamp dimmers, 50 ... 600 W (5TC8 257) • T 4 H 250 V – for low-voltage dimmers for magnetic transformers (5TC8 283) – for electronic potentiometers (5TC8 424 and 5TC8 420) – for speed regulating rheostats (5TC8 604)	5TG8 302		024 1/10						
		5TG8 305		024 1/10						
		5TG8 330		024 1/10						
Accessories for shutter/blind controls										
 5TC1 526	Sun sensors • With 2-m connecting cable (extendable to 25 m) • In combination with the Comfort shutter/blind control, the sun sensor can be used for sun protection and twilight functions	5TC1 526		024 1						
<table><tr><th>Note</th><th>Section</th><th>Page</th></tr><tr><td>Technical Specifications, see ...</td><td>Technical Information / Shutter/Blind Controls / Comfort shutter/blind control</td><td>20/51</td></tr></table>		Note	Section	Page	Technical Specifications, see ...	Technical Information / Shutter/Blind Controls / Comfort shutter/blind control	20/51			
Note	Section	Page								
Technical Specifications, see ...	Technical Information / Shutter/Blind Controls / Comfort shutter/blind control	20/51								

Accessories and spare parts

Version	Order No.	Price 1 unit	PG	PS*/ P. unit Unit(s)
Accessories for surface-mounting enclosures				
 Slide nipples cable entry • Titanium white (similar to RAL 9010) • One set contains 10 units 5TG2 905	5TG2 905	1 set	021	1 set
 Slide nipples channel entry • For 15 mm x 15 mm to 19 mm x 19 mm • Titanium white (similar to RAL 9010) • One set contains 10 units 5TG2 904	5TG2 904	1 set	021	1 set
Spare parts				
 Spare tubular lamps for light signal inserts 1.2 W, 12 V AC 5TG1 897	5TG1 897		021	1/10
 Spare glow lamps for SCHUKO socket outlets with status display 1.5 mA, 230 V AC/50 Hz 5TG7 304	5TG7 304		021	1/10
 Spare overvoltage protection modules for SCHUKO socket outlets with overvoltage protection 5UH1 300	5UH1 300		021	1
 Spare window sets for light signals 1 set contains 2 x red, 2 x clear and 2 x gray 5TG1 898	5TG1 898	1 set	021	1 set/ 10 sets
Accessories				
 Glow lamps for switch and pushbutton inserts • Protected against contact • 230 V AC 5TG7 321				
Luminosity		Power consumption	Base color	
Weak		0.18 mA	White	5TG7 321
Average		0.9 mA	Gray	5TG7 332
Strong		1.35 mA	Blue	5TG7 342
 Incandescent lamps for switch and pushbutton inserts 5TG7 313				
Voltage		Power consumption	Base color	
8 V		35 mA	White	5TG7 313
12 V		40 mA	White	5TG2 785
24 V		20 mA	White	5TG7 314

7/6	Introduction
7/7	Frames
7/8	Switches and pushbuttons
7/10	Shutter/blind controls
7/11	Socket outlets
7/12	Lighting controls
7/13	Communication
7/14	TV/RF/SAT
7/15	Accessories and spare parts

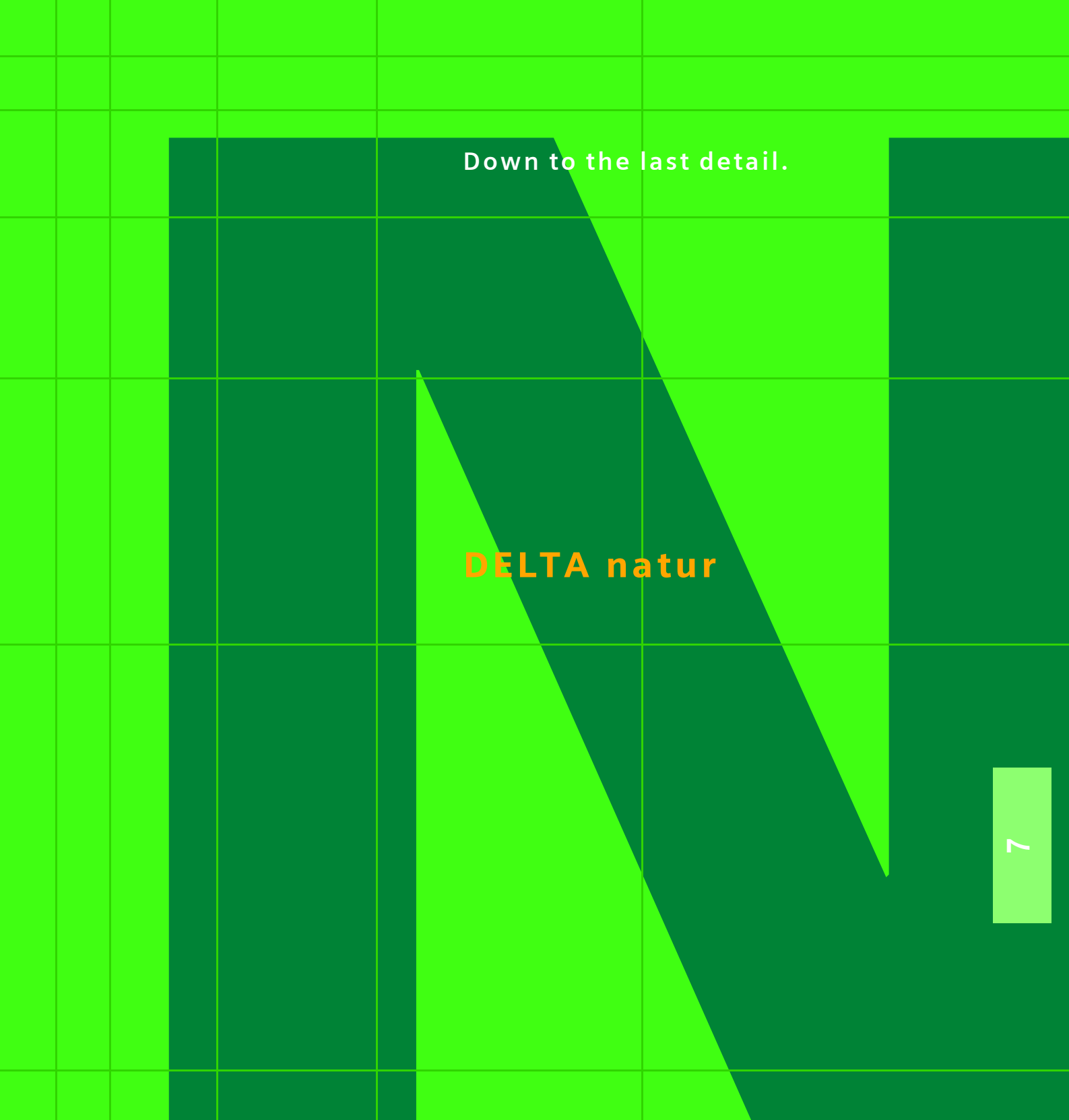




Natural lifestyle.

DELTA natur: our product range for switches with an operator interface made of solid wood – our design with a unique country house style.

Enhancing rooms with a natural charm - for all those who appreciate natural materials.

An abstract geometric design featuring a light gray grid. A large, dark gray diagonal line runs from the top left towards the bottom right. The line is composed of several segments, with some segments being slightly offset from the grid lines, creating a stepped or 'staircase' effect. The text 'Down to the last detail.' is positioned in the upper right area, and 'DELTA natur' is centered in the middle. A small white box with the number '7' is located on the right side.

Down to the last detail.

DELTA natur

7

Whatever your taste, we have the version to match – made from indigenous wood, and processed in an environment-friendly manner.

An attractive combination of elegant design and precious wood.

■ DELTA natur



Light oak



Dark oak



Maple red



Components of the DELTA natur product range:

- Numerous functions for:
 - Communication
 - Shutter/blind controls
 - Dimmer control
 - Can be connected to GAMMA *instabus*
- **SCHUKO** socket outlets with increased protection against contact
- Single and double pushbuttons, optionally available with pilot lamp
- DELTA natur products are manufactured from solid wood.

* Color achieved through staining



Maple



Beech*



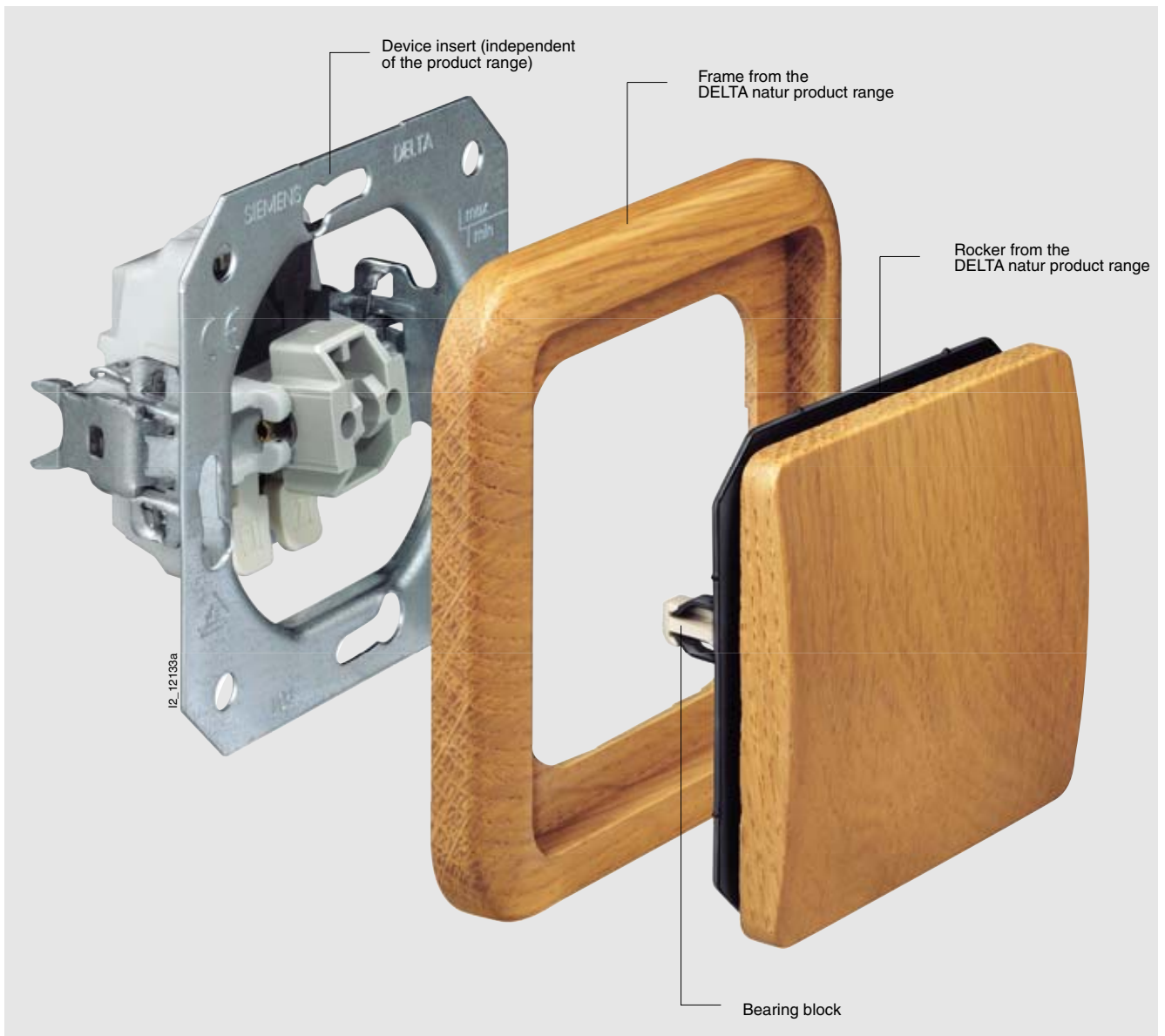
Cherry*



Combination
of universal switches
and **SCHUKO** socket outlets
Maple

Introduction

Overview



Technical design of the DELTA natur product range

Selection and ordering data

Version	Order No.	Price	PG	PS*/ P. unit
		1 unit		Unit(s)
General information • Frames made of solid wood • For horizontal and vertical mounting • Degree of protection: IP20				
				
5TG1 601				
Frames, 81 mm				
• Light oak – single, 81 mm x 81 mm – double, 152 mm x 81 mm – triple, 223 mm x 81 mm – quadruple, 294 mm x 81 mm				
	5TG1 601		021	1/5
	5TG1 602		021	1/5
	5TG1 603		021	1/5
	5TG1 604		021	1/5
• Dark oak – single, 81 mm x 81 mm – double, 152 mm x 81 mm – triple, 223 mm x 81 mm – quadruple, 294 mm x 81 mm				
	5TG1 611		021	1/5
	5TG1 612		021	1/5
	5TG1 613		021	1/5
	5TG1 614		021	1/5
• Maple red – single, 81 mm x 81 mm – double, 152 mm x 81 mm – triple, 223 mm x 81 mm – quadruple, 294 mm x 81 mm				
	5TG1 621		021	1/5
	5TG1 622		021	1/5
	5TG1 623		021	1/5
	5TG1 624		021	1/5
• Maple – single, 81 mm x 81 mm – double, 152 mm x 81 mm – triple, 223 mm x 81 mm – quadruple, 294 mm x 81 mm				
	5TG1 651		021	1/5
	5TG1 652		021	1/5
	5TG1 653		021	1/5
	5TG1 654		021	1/5
• Beech (color achieved through staining) – single, 81 mm x 81 mm – double, 152 mm x 81 mm – triple, 223 mm x 81 mm – quadruple, 294 mm x 81 mm				
	5TG1 681		021	1/5
	5TG1 682		021	1/5
	5TG1 683		021	1/5
	5TG1 684		021	1/5
• Cherry (color achieved through staining) – single, 81 mm x 81 mm – double, 152 mm x 81 mm – triple, 223 mm x 81 mm – quadruple, 294 mm x 81 mm				
	5TG1 671		021	1/5
	5TG1 672		021	1/5
	5TG1 673		021	1/5
	5TG1 674		021	1/5

Switches and pushbuttons

Selection and ordering data

Version	Order No.	Price	PG	PS* / P. unit
		1 unit		Unit(s)
General information • Size of rockers: 62 mm x 62 mm • Rockers made of solid wood • Degree of protection: IP20				
Note	Section	Page		
For extension claws, see ...	Functions / Switching/ Pushbutton Control/ Dimming / Accessories and spare parts	12/17		
Rockers, neutral				
	• Light oak	5TG7 641	021	1/5
	• Dark oak	5TG7 651	021	1/5
	• Maple red	5TG7 681	021	1/5
	• Maple	5TG7 686	021	1/5
	• Beech (color achieved through staining)	5TG7 691	021	1/5
	• Cherry (color achieved through staining)	5TG7 672	021	1/5
	5TG7 641			
Inserts	Section	Page		
Universal switches	Functions / Switching/ Pushbutton Control/ Dimming	12/2	5TA2 156	021 1/10
Intermediate switches	dto.	12/3	5TA2 117	021 1/10
ON/OFF switches, 1-pole	dto.	12/3	5TA2 151	021 1/10
Pushbuttons, 1 NO contact	dto.	12/7	5TD2 120	021 1/10
Pushbuttons, 1 CO contact	dto.	12/8	5TD2 123	021 1/10
DELTA UP 116 bus coupling units, center position, single	Functions / GAMMA Building Controls	19/2	5WG1 116-2AB01	030 1
DELTA UP 116 bus coupling units, pushbutton position, single	dto.	19/2	5WG1 116-2AB21	030 1
Rockers with window				
	• Light oak	5TG7 640	021	1/5
	• Dark oak	5TG7 650	021	1/5
	• Maple red	5TG7 680	021	1/5
	• Maple	5TG7 687	021	1/5
	• Beech (color achieved through staining)	5TG7 692	021	1/5
	• Cherry (color achieved through staining)	5TG7 673	021	1/5
	5TG7 640			
Inserts	Section	Page		
Universal switches	Functions / Switching/ Pushbutton Control/ Dimming	12/2	5TA2 156	021 1/10
Intermediate switches	dto.	12/3	5TA2 117	021 1/10
ON/OFF switches, 1-pole	dto.	12/3	5TA2 151	021 1/10
Pushbuttons, 1 NO contact	dto.	12/7	5TD2 120	021 1/10
Pushbuttons, 1 CO contact	dto.	12/8	5TD2 123	021 1/10
Switches with pilot lamp, ON/OFF switching	dto.	12/5	5TA2 150	021 1/10
Switches with pilot lamp, for two-way switching	dto.	12/5	5TA2 108	021 1/10
Pushbuttons, 1 NO contact, with separate neutral terminal	dto.	12/8	5TD2 116	021 1/10
Pushbuttons, 1 CO contact, with separate neutral terminal	dto.	12/9	5TD2 117	021 1/10
Pushbuttons, with separate check-back indication	dto.	12/9	5TD2 114	021 1/10
DELTA UP 116 bus coupling units, center position, single	Functions / GAMMA Building Controls	19/2	5WG1 116-2AB01	030 1
DELTA UP 116 bus coupling units, pushbutton position, single	dto.	19/2	5WG1 116-2AB21	030 1

Switches and pushbuttons

Version	Order No.	Price	PG	PS*/ P. unit
		1 unit		Unit(s)
 5TG7 645	Rockers, double, neutral			
	• Light oak	5TG7 645	021	1/5
	• Dark oak	5TG7 655	021	1/5
	• Maple red	5TG7 685	021	1/5
	• Maple	5TG7 688	021	1/5
	• Beech (color achieved through staining)	5TG7 693	021	1/5
	• Cherry (color achieved through staining)	5TG7 674	021	1/5
	Inserts	Section	Page	
	<i>Double two-way switches</i>	<i>Functions / Switching/ Pushbutton Control/ Dimming</i>	12/6	5TA2 118
	<i>Two-circuit switches</i>	<i>dto.</i>	12/7	5TA2 155
	<i>Pushbuttons, double, 1 NO contact, 1 CO contact</i>	<i>dto.</i>	12/9	5TD2 115
	<i>Pushbuttons, double, 2 NO contacts</i>	<i>dto.</i>	12/10	5TD2 111
	<i>DELTA UP 116 bus coupling units, center position, double</i>	<i>Functions / GAMMA Building Controls</i>	19/2	5WG1 116-2AB11
	<i>DELTA UP 116 bus coupling units, pushbutton position, double</i>	<i>dto.</i>	19/2	5WG1 116-2AB31

Shutter/blind controls

Selection and ordering data

Version			Order No.	Price	PG	PS* / P. unit
				1 unit		Unit(s)
General information						
- Rockers made of solid wood - Size of rockers: 62 mm x 62 mm						
Rockers, double, with Up/Down symbols						
	• Light oak		5TG7 644		021	1/5
	• Dark oak		5TG7 654		021	1/5
	• Maple red		5TG7 684		021	1/5
	• Maple		5TG7 690		021	1/5
	• Beech (color achieved through staining)		5TG7 694		021	1/5
	• Cherry (color achieved through staining)		5TG7 677		021	1/5
Inserts			Section	Page		
Shutter/blind switches, with electrical and mechanical interlock			Functions / Shutter/blind controls	14/2	5TA2 154	021 1/10
Shutter/blind pushbuttons, with electrical interlock			dto.	14/2	5TA2 114	021 1/10
DELTA UP 116 bus coupling units, center position, double			Functions / GAMMA Building Controls	19/2	5WG1 116-2AB11	030 1
DELTA UP 116 bus coupling units, pushbutton position, double			dto.	19/2	5WG1 116-2AB31	030 1

5TG7 644

Selection and ordering data

Version	Order No.	Price	PG	PS*/ P. unit
		1 unit		Unit(s)
General information • For screw and claw fixing • Non-insulated parts of inserts are covered by molded plastic with self-retracting claws • The terminals are connecting terminals for Cu and aluminum conductors up to 2.5 mm² • Cover plates made of solid wood • Size of cover plates: 62 mm x 62 mm				
Note	Section	Page		
For extension claws, see ...	Functions / Switching/ Pushbutton Control/ Dimming / Accessories and spare parts	12/17		
SCHUKO socket outlets with screwless terminals				
	• Light oak (plastic part similar to RAL 8028)	5UB1 630	021	1/5
	• Dark oak (plastic part similar to RAL 8028)	5UB1 640	021	1/5
	• Maple red (plastic part similar to RAL 9011)	5UB1 650	021	1/5
	• Maple (plastic part similar to RAL 9001)	5UB1 613	021	1/5
	• Beech (color achieved through staining, plastic part similar to RAL 9001)	5UB1 663	021	1/5
	• Cherry (color achieved through staining, plastic part similar to RAL 8028)	5UB1 673	021	1/5
5UB1 630				
SCHUKO socket outlets with increased protection against contact with screwless terminals				
	• Light oak (plastic part similar to RAL 8028)	5UB1 631	021	1/5
	• Dark oak (plastic part similar to RAL 8028)	5UB1 641	021	1/5
	• Maple red (plastic part similar to RAL 9011)	5UB1 651	021	1/5
	• Maple (plastic part similar to RAL 9001)	5UB1 614	021	1/5
	• Beech (color achieved through staining, plastic part similar to RAL 9001)	5UB1 664	021	1/5
	• Cherry (color achieved through staining, plastic part similar to RAL 8028)	5UB1 674	021	1/5
5UB1 631				
Socket outlets with grounding pin • 16 A, 250 V AC • 2-pole according to CEE7 • French / Belgian standard • With anti-slip terminals, up to 4 x 2.5 mm²				
	Versions			
	• Light oak (plastic part similar to RAL 8028)	5UB1 638	021	1/5
	• Dark oak (plastic part similar to RAL 8028)	5UB1 648	021	1/5
	• Maple red (plastic part similar to RAL 9011)	5UB1 658	021	1/5
	• Maple (plastic part similar to RAL 9001)	5UB1 615	021	1/5
	• Beech (color achieved through staining, plastic part similar to RAL 9001)	5UB1 665	021	1/5
	• Cherry (color achieved through staining, plastic part similar to RAL 8028)	5UB1 675	021	1/5
5UB1 638				

Lighting controls

Selection and ordering data

Version	Order No.	Price	PG	PS*/ P. unit
		1 unit		Unit(s)
General information - Cover plates and rotary buttons made of solid wood - Size of cover plates: 62 mm x 62 mm				
Cover plates with rotary button, for dimmers				
 5TC8 914	• Light oak	5TC8 914	024	1/5
	• Dark oak	5TC8 915	024	1/5
	• Maple red	5TC8 916	024	1/5
	• Maple	5TC8 917	024	1/5
	• Beech (color achieved through staining)	5TC8 918	024	1/5
	• Cherry (color achieved through staining)	5TC8 920	024	1/5
	Symbol	Inserts	Section	Page
		Incandescent lamp dimmers, 50 ... 400 W	Functions / Switching/ Pushbutton Control/ Dimming	12/10
		Incandescent lamp dimmers, 50 ... 600 W, for two-way switching	dto.	12/11
		Low-voltage dimmers, for magnetic transformers, 50 ... 600 W, 25 ... 500 VA, for two-way switching	dto.	12/11
		Low-voltage dimmers, for electronic transformers, 20 ... 600 W, 20 ... 525 VA, for two-way switching	dto.	12/12
		Low-voltage dimmers, for electronic transformers, 60 ... 800 W, 60 ... 800 VA, for two-way switching	dto.	12/12
		Electronic potentiometers, switch	dto.	12/14
		Electronic potentiometer, pushbutton	dto.	12/15

* You can order this quantity or a multiple thereof.

Selection and ordering data

Version	Order No.	Price	PG	PS*/ P. unit
		1 unit		Unit(s)
General information - Cover plates made of solid wood - Size of cover plates: 62 mm x 62 mm				
 5TG1 607	Cover plates for TAE outlet boxes and loudspeaker outlet boxes			
	• Light oak	5TG1 607	021	1/5
	• Dark oak	5TG1 617	021	1/5
	• Maple red	5TG1 627	021	1/5
	• Maple	5TG1 657	021	1/5
	• Beech (color achieved through staining)	5TG1 687	021	1/5
	• Cherry (color achieved through staining)	5TG1 677	021	1/5
	Inserts	Section	Page	
	TAE 6F+N, black ¹⁾	Functions / Data and Communication Systems	16/3	5TG2 853
	TAE 3x 6NFN, black ¹⁾	dto.	16/3	5TG2 480
	TAE 2x 6/6NFF, black ¹⁾	dto.	16/3	5TG2 854
	UAE 8/6 / TAE 6F+N, black	dto.	16/3	5TG2 855
	Loudspeaker outlet boxes, single	dto.	16/4	5TG2 467-2
	Loudspeaker outlet boxes, double	dto.	16/4	5TG2 468-2
	Footnote			
¹⁾ Design for Austria on request.				
 5TG1 630	Cover plates for UAE outlet boxes - For Cat 3, Cat 5 and Cat 6 inserts from Rutenbeck - For Cat 6 inserts from BTR (E-DAT) - With 45° inclined outlet - For single and double			
	Versions			
	• Light oak	5TG1 630	021	1/5
	• Dark oak	5TG1 631	021	1/5
	• Maple red	5TG1 632	021	1/5
	• Maple	5TG1 633	021	1/5
	• Beech (color achieved through staining)	5TG1 634	021	1/5
	• Cherry (color achieved through staining)	5TG1 635	021	1/5
	Inserts	Section	Page	
	UAE outlet boxes, Cat 3, Rutenbeck			
	• 1 x 8-pole	Functions / Data and Communication Systems	16/4	5TG2 417
	• 2 x 8-pole	dto.	16/4	5TG2 406
	UAE outlet boxes, Cat 5e, Rutenbeck			
	• 1 x 8-pole	dto.	16/4	5TG2 418
	• 2 x 8-pole	dto.	16/4	5TG2 407
	UAE outlet boxes, real Cat 6, Rutenbeck, 2 x 8-pole	dto.	16/4	5TG2 448
	Note			
	The UAE cover plate can be combined with - AMJ45 and UMJ45 Up 0 inserts (without central plate) from Telegärtner, - AMP-TWIST-6S Plannar Up 0 inserts from Tyco electronics and - Cat 5e UP 0 inserts from Tyco electronics.			

TV/RF/SAT

Selection and ordering data

Version		Order No.	Price	PG	PS* / P. unit
			1 unit		Unit(s)
General information - Cover plates made of solid wood - Size of cover plates: 62 mm x 62 mm					
 5TG1 605	Cover plates for TV/RF/SAT connection, 2-hole version				
	• Light oak	5TG1 605		021	1/5
	• Dark oak	5TG1 615		021	1/5
	• Maple red	5TG1 625		021	1/5
	• Maple	5TG1 655		021	1/5
	• Beech (color achieved through staining)	5TG1 685		021	1/5
	• Cherry (color achieved through staining)	5TG1 675		021	1/5
	Inserts	Section	Page		
	Aerial branch-circuit boxes	Functions / Data and Communication Systems	16/2	5TG2 485	021 1/10
	Aerial through-way boxes/terminal boxes	dto.	16/2	5TG2 484	021 1/10
 5TG1 638	Cover plates for TV/RF/SAT connection, 3-hole version				
	• Light oak	5TG1 638		021	1/5
	• Dark oak	5TG1 648		021	1/5
	• Maple red	5TG1 658		021	1/5
	• Maple	5TG1 647		021	1/5
	• Beech (color achieved through staining)	5TG1 690		021	1/5
	• Cherry (color achieved through staining)	5TG1 668		021	1/5

* You can order this quantity or a multiple thereof.

Selection and ordering data

Version	Order No.	Price	PG	PS*/ P. unit
		1 unit		Unit(s)

Add-on devices



5TG1 600

Blanking cover plates

- Cover plates made of solid wood
- Size of cover plates: 62 mm x 62 mm
- For screw and claw fixing

Versions

• Light oak	5TG1 600	021	1/5
• Dark oak	5TG1 610	021	1/5
• Maple red	5TG1 620	021	1/5
• Maple	5TG1 650	021	1/5
• Beech (color achieved through staining)	5TG1 680	021	1/5
• Cherry (color achieved through staining)	5TG1 670	021	1/5

Accessories for dimmers



5TG8 302

Spare fuses
250 V

• T 1.6 H 250 V – for incandescent lamp dimmers, 50 ... 400 W (5TC8 256) – for sensor dimmers, without/with memory function, 20 ... 400 W (5TC8 240 / 5TC8 232)	5TG8 302	024	1/10
• T 2.5 H 250 V – for incandescent lamp dimmers, 50 ... 600 W (5TC8 257)	5TG8 305	024	1/10
• T 4 H 250 V – for low-voltage dimmers for magnetic transformers (5TC8 283) – for electronic potentiometers (5TC8 424 and 5TC8 420) – for speed regulating rheostats (5TC8 604)	5TG8 330	024	1/10



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8/11	Shutter/blind controls
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8/15	Lighting controls
8/16	Motion detectors
8/18	Room temperature controllers
8/19	GAMMA <i>instabus</i>
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8/25	Accessories and spare parts



With beauty in mind.



Unusual rooms need unusual operator interfaces – that little bit more than the standard range can offer.

This is the concept on which DELTA ambiente is based.

This has seen the emergence of an absolutely first-rate switch program. Exclusive in color and design. The surfaces of the rocker buttons are offset with illuminated elements.



An eye for the unusual?

DELTA ambiente

∞

This is what gives DELTA ambiente its unique charm.
Bringing new style to your home.

So you can have breakfast in bed once in a while.
Who needs breakfast at Tiffany's?

■ DELTA ambiente



Arctic white / arctic white



Arctic white / steel



GAMMA *instabus* pusbuttons
Arctic white / arctic white

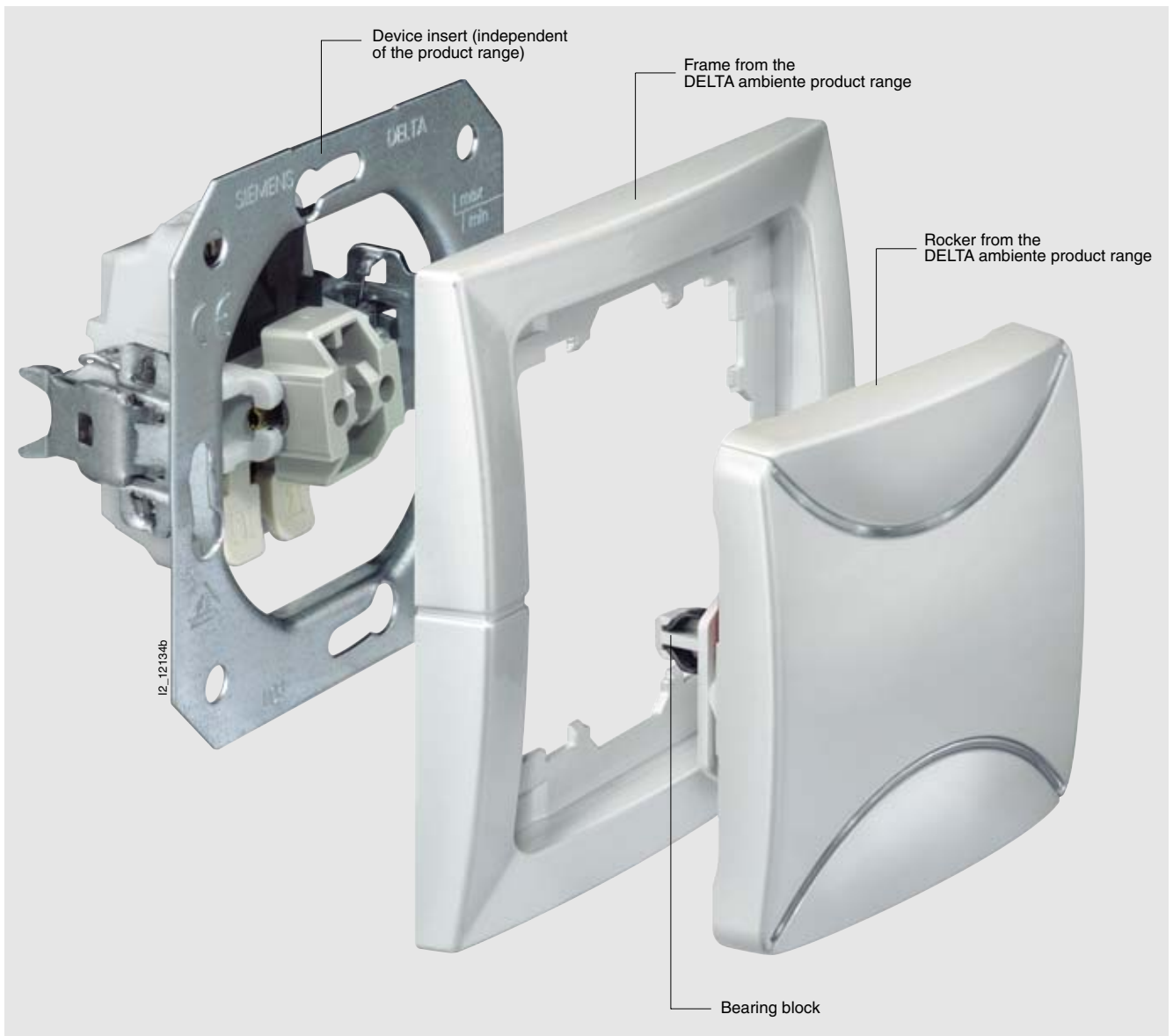


**Components of the
DELTA ambiente product range:**

- Frames made of painted metal – available in "convex" or "contour" design
- Rocker buttons with 1 or 2 button surfaces, offset with illuminated elements
- Button surfaces in the combinations arctic white with steel and arctic white and arctic white
- **SCHUKO** socket outlets with increased protection against contact
- Numerous functions for:
 - Communication
 - Data and voice networks
 - Shutter/blind controls
 - Room temperature control
 - Dimmer control
 - Motion detection
 - GAMMA *instabus*

Introduction

Overview



Technical design of the DELTA ambiente product range

Selection and ordering data

Version	Order No.	Price	PG	PS*/ P. unit
		1 unit		Unit(s)
General information • For horizontal and vertical mounting • Degree of protection: IP20				
Frames, 83 mm, contour				
	• Arctic white (RAL 9002)			
	– single, 83 mm x 83 mm			
	– double, 154 mm x 83 mm			
	– triple, 225 mm x 83 mm			
	– quadruple, 296 mm x 83 mm			
	– quintuple, 367 mm x 83 mm			
5TG1 511	5TG1 511		021	1/5
	5TG1 512		021	1/5
	5TG1 513		021	1/5
	5TG1 514		021	1/5
	5TG1 515		021	1/5
Intermediate frames • 65 mm x 65 mm • For installation of devices with cover plates 51 mm x 51 mm according to DIN 49075 • Arctic white (RAL 9002)				
	5TG1 506			
			021	1/5
5TG1 506				

Switches and pushbuttons

Selection and ordering data

Version	Order No.	Price	PG	PS* / P. unit
		1 unit		Unit(s)
General information • Size of rockers: 65 mm x 65mm • Degree of protection: IP20				
Note	Section	Page		
For extension claws, see ...	Functions / Switching/Push-button Control/Dimming / Accessories and spare parts	12/17		
Rockers, neutral • Arctic white / arctic white (similar to RAL 9002) • Arctic white / steel (similar to RAL 9002/steel)				
				
5TG6 000				
Inserts	Section	Page		
Universal switches	Functions / Switching/Push-button Control/Dimming	12/2	5TA2 156	021 1/10
Pushbuttons, 1 CO contact, with separate neutral terminal	dto.	12/8	5TD2 117	021 1/10
Pushbuttons, separate check-back indication	dto.	12/9	5TD2 114	021 1/10
ON/OFF switches, 1-pole	dto.	12/3	5TA2 151	021 1/10
Switches w. pilot lamp, ON/OFF switching	dto.	12/5	5TA2 150	021 1/10
Switches with pilot lamp, two-way switching	dto.	12/5	5TA2 108	021 1/10
DELTA UP 116 bus coupling units, center position, single	Functions / GAMMA Building Controls	19/2	5WG1 116-2AB01	030 1
Rockers, pushbutton, neutral • Arctic white / arctic white (similar to RAL 9002) • Arctic white / steel (similar to RAL 9002/steel)				
				
5TG6 017				
Inserts	Section	Page		
Pushbuttons, 1 NO contact	Functions / Switching/Push-button Control/Dimming	12/7	5TD2 120	021 1/10
Pushbuttons, 1 NO contact, with separate neutral terminal	dto.	12/8	5TD2 116	021 1/10
Pushbuttons, 1 CO contact	dto.	12/8	5TD2 123	021 1/10
DELTA UP 116 bus coupling units, pushbutton position, single	Functions / GAMMA Building Controls	19/2	5WG1 116-2AB21	030 1
Rockers with labeling field • Arctic white / arctic white (similar to RAL 9002) • Arctic white / steel (similar to RAL 9002/steel)				
				
5TG6 015				
Inserts	Section	Page		
Universal switches	Functions / Switching/Push-button Control/Dimming	12/2	5TA2 156	021 1/10
Intermediate switches	dto.	12/3	5TA2 117	021 1/10
ON/OFF switches, 1-pole	dto.	12/3	5TA2 151	021 1/10
Pushbuttons, separate check-back indication	dto.	12/9	5TD2 114	021 1/10
Switches w. pilot lamp, ON/OFF switching	dto.	12/5	5TA2 150	021 1/10
Switches w. pilot lamp, for two-way switching	dto.	12/5	5TA2 108	021 1/10
Pushbuttons, 1 CO contact, with separate neutral terminal	dto.	12/9	5TD2 117	021 1/10
Note				
Our free labeling tool can help you create individual labels. Download at: http://www.siemens.de/beschriftungstool				
Rockers with I/O symbols • Arctic white / arctic white (similar to RAL 9002) • Arctic white / steel (similar to RAL 9002/steel)				
				
5TG6 002				
Inserts	Section	Page		
ON/OFF switches, 2-pole, 10 AX	Functions / Switching/Push-button Control/Dimming	12/4	5TA2 112	021 1/10
ON/OFF switches, 2-pole, 16 AX	dto.	12/4	5TA2 162	021 1/10
ON/OFF switches, 3-pole, 16 A	dto.	12/4	5TA2 153	021 1/10

Switches and pushbuttons

Version	Order No.	Price	PG	PS*/ P. unit
		1 unit		Unit(s)
 5TG6 023	Rockers, double, neutral			
	• Arctic white / arctic white (similar to RAL 9002)			
	• Arctic white / steel (similar to RAL 9002/steel)			
	Inserts	Section	Page	
	Double two-way switches	Functions / Switching/Push-button Control/Dimming	12/6	
	Two-circuit switches	dto.	12/7	
 5TG6 018	Rockers, pushbutton, double, neutral			
	• Arctic white / arctic white (similar to RAL 9002)			
	• Arctic white / steel (similar to RAL 9002/steel)			
	Inserts	Section	Page	
	Pushbuttons, double, 1 NO contact, 1 CO contact	Functions / Switching/Push-button Control/Dimming	12/9	
	Pushbuttons, double, 2 NO contacts	dto.	12/10	
 5TG6 004	Rockers, double, with labeling field			
	• Arctic white / arctic white (similar to RAL 9002)			
	• Arctic white / steel (similar to RAL 9002/steel)			
	Inserts	Section	Page	
	Two-circuit switches	Functions / Switching/Push-button Control/Dimming	12/7	
	Double two-way switches	dto.	12/6	
 5TG6 020	Rockers, pushbutton, with labeling field			
	• Arctic white / arctic white (similar to RAL 9002)			
	• Arctic white / steel (similar to RAL 9002/steel)			
	Inserts	Section	Page	
	Pushbuttons, 1 NO contact	Functions / Switching/Push-button Control/Dimming	12/7	
	Pushbuttons, 1 NO contact, with separate neutral terminal	dto.	12/8	
 5TG6 006	Rockers, pushbutton, with "Light" symbol			
	• Arctic white / arctic white (similar to RAL 9002)			
	• Arctic white / steel (similar to RAL 9002/steel)			
	Inserts	Section	Page	
	Pushbuttons, 1 NO contact	Functions / Switching/Push-button Control/Dimming	12/7	
	Pushbuttons, 1 NO contact, with separate neutral terminal	dto.	12/8	
 5TG6 007	Rockers, pushbutton, with "Bell" symbol			
	• Arctic white / arctic white (similar to RAL 9002)			
	• Arctic white / steel (similar to RAL 9002/steel)			
	Inserts	Section	Page	
	Pushbuttons, 1 NO contact	Functions / Switching/Push-button Control/Dimming	12/7	
	Pushbuttons, 1 NO contact, with separate neutral terminal	dto.	12/8	

Switches and pushbuttons

Version	Order No.	Price	PG	PS*/ P. unit		
		1 unit		Unit(s)		
 5TG6 008	Rockers, pushbutton, with "Door Opener" symbol					
	• Arctic white / arctic white (similar to RAL 9002)			5TG6 008	021	1/5
	• Arctic white / steel (similar to RAL 9002/steel)			5TG6 068	021	1/5
	Inserts	Section	Page			
	Pushbuttons, 1 NO contact	Functions / Switching/Push-button Control/Dimming	12/7	5TD2 120	021	1/10
	Pushbuttons, 1 NO contact, with separate neutral terminal	dto.	12/8	5TD2 116	021	1/10
	Pushbuttons, 1 CO contact	dto.	12/8	5TD2 123	021	1/10
 5TG6 024	Rockers, pushbutton, double, with labeling field					
	• Arctic white / arctic white (similar to RAL 9002)			5TG6 024	021	1/5
	• Arctic white / steel (similar to RAL 9002/steel)			5TG6 084	021	1/5
	Inserts	Section	Page			
	Pushbuttons, double, 2 NO contacts	Functions / Switching/Push-button Control/Dimming	12/10	5TD2 111	021	1/10
	Pushbuttons, double, 1 NO contact, 1 CO contact	dto.	12/9	5TD2 115	021	1/10
	Note					
Our free labeling tool can help you create individual labels. Download at: http://www.siemens.de/beschriftungstool						

Selection and ordering data

Version	Order No.	Price	PG	PS*/ P. unit
		1 unit		Unit(s)
General information • Size of rockers: 65 mm x 65 mm • Degree of protection: IP20				
Rockers with Up/Down symbols, for EIB				
	• Arctic white / arctic white (similar to RAL 9002)	5TG6 021	021	1/5
	• Arctic white / steel (similar to RAL 9002/steel)	5TG6 081	021	1/5
	Inserts	Section	Page	
	DELTA UP 116 bus coupling units, center position, single	Functions / GAMMA Building Controls	19/2	5WG1 116-2AB01
5TG6 021				
Rockers, pushbutton, double, with Up/Down symbols				
	• Arctic white / arctic white (similar to RAL 9002)	5TG6 022	021	1/5
	• Arctic white / steel (similar to RAL 9002/steel)	5TG6 082	021	1/5
	Inserts	Section	Page	
	Shutter/blind pushbuttons, with electrical interlock	Functions / Shutter/blind controls	14/2	5TA2 114
5TG6 022				
Rockers, double, with Up/Down symbols, for EIB				
	• Arctic white / arctic white (similar to RAL 9002)	5TG6 026	021	1/5
	• Arctic white / steel (similar to RAL 9002/steel)	5TG6 086	021	1/5
	Inserts	Section	Page	
	DELTA UP 116 bus coupling units, center position, double	Functions / GAMMA Building Controls	19/2	5WG1 116-2AB11
5TG6 026				
Rockers, double, with Up/Down symbols				
	• Arctic white / arctic white (similar to RAL 9002)	5TG6 027	021	1/5
	• Arctic white / steel (similar to RAL 9002/steel)	5TG6 087	021	1/5
	Inserts	Section	Page	
	Shutter/blind switches, with electrical and mechanical interlock	Functions / Shutter/blind controls	14/2	5TA2 154
5TG6 027				
Rockers, double, with I/O and Up/Down symbols, for EIB				
	• Arctic white / arctic white (similar to RAL 9002)	5TG6 013	021	1/5
	• Arctic white / steel (similar to RAL 9002/steel)	5TG6 073	021	1/5
	Inserts	Section	Page	
	DELTA UP 116 bus coupling units, center position, double	Functions / GAMMA Building Controls	19/2	5WG1 116-2AB11
5TG6 013				

Shutter/blind controls

Version	Order No.	Price	PG	PS*/ P. unit																																																																				
		1 unit		Unit(s)																																																																				
	Comfort shutter/blind controls • 55 mm x 55 mm • For controlling a blind or shutter motor with mechanical or electronic limit switches • With comprehensive functionality (see the product features) • Menu-controlled operation by means of 4 control buttons • Arctic white (similar to RAL 9002) <table><tr><th>Note</th><th>Section</th><th>Page</th></tr><tr><td>The <i>sun sensor</i> must be ordered separately, see ...</td><td><i>Accessories and spare parts</i></td><td>8/26</td></tr><tr><td colspan="3">The following <i>intermediate frames</i>, 65 mm, must be ordered separately: • Arctic white (similar to RAL 9002) </td></tr><tr><th colspan="3">Product features</th></tr><tr><td colspan="3">Flush-mounting device without an extension unit input</td></tr><tr><td colspan="3">230 V AC, 50 Hz (N conductor required)</td></tr><tr><td colspan="3">For screw and claw fixing</td></tr><tr><td colspan="3">Type of connection: screw-type terminals</td></tr><tr><td colspan="3">2 relays which are interlocked against each other with a minimum switchover time of approx. 1 s</td></tr><tr><td colspan="3">Bridging of voltage interruptions < 0.2 s</td></tr><tr><td colspan="3">Connected load max. 1 motor up to 1000 W</td></tr><tr><td colspan="3">Pulse duration: 2 min factory setting, may be programmed to extend up to 12 min</td></tr><tr><td colspan="3">Accuracy: ± 1 min per month</td></tr><tr><td colspan="3">Reserve power: approx. 24 h</td></tr><tr><td colspan="3">Switching times: max. 18 (can be split up in three memories)</td></tr><tr><td colspan="3">Factory preset switching times for faster commissioning</td></tr><tr><td colspan="3">Possible reset to factory settings</td></tr><tr><td colspan="3">Random generator ± 15 min</td></tr><tr><td colspan="3">Astro program (can be delayed by ± 1 h 59 min)</td></tr><tr><td colspan="3">Easy changeover from summer to winter time</td></tr><tr><td colspan="3">Twilight and sun protection function is possible with an optional sun sensor</td></tr><tr><td colspan="3">The random and astro functions can be combined</td></tr><tr><td colspan="3">Manual operation possible at any time</td></tr></table>	Note	Section	Page	The <i>sun sensor</i> must be ordered separately, see ...	<i>Accessories and spare parts</i>	8/26	The following <i>intermediate frames</i> , 65 mm, must be ordered separately: • Arctic white (similar to RAL 9002)			Product features			Flush-mounting device without an extension unit input			230 V AC, 50 Hz (N conductor required)			For screw and claw fixing			Type of connection: screw-type terminals			2 relays which are interlocked against each other with a minimum switchover time of approx. 1 s			Bridging of voltage interruptions < 0.2 s			Connected load max. 1 motor up to 1000 W			Pulse duration: 2 min factory setting, may be programmed to extend up to 12 min			Accuracy: ± 1 min per month			Reserve power: approx. 24 h			Switching times: max. 18 (can be split up in three memories)			Factory preset switching times for faster commissioning			Possible reset to factory settings			Random generator ± 15 min			Astro program (can be delayed by ± 1 h 59 min)			Easy changeover from summer to winter time			Twilight and sun protection function is possible with an optional sun sensor			The random and astro functions can be combined			Manual operation possible at any time			on request	
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	5TC1 526		024	1																																																																				
	on request																																																																							
	Shutter/blind control flush-mounting isolating relays • Double, with individual control • Relay for the control of several shutters or blinds • Two motors can be controlled per isolating relay, even if further isolating relays are connected downstream • Option for individual control of connected motors over blind pushbutton (e.g. 5TA2 114) • The isolating relay should be installed in a surface-mounting or flush-mounting box (flush-mounting box from 70 mm Ø or surface-mounting boxes from 100 mm x 100 mm) • Only for in-phase operation • 8 A (AC1) or 3 A (ind.), 230 V AC, 50 Hz • 58 mm x 59 mm x 22 mm <table><tr><th>Note</th><th>Section</th><th>Page</th></tr><tr><td>Technical Specifications, see ...</td><td><i>Technical Information / Shutter/Blind Controls / Flush-mounting isolating relays for shutter/blind control</i></td><td>20/55</td></tr></table>	Note	Section	Page	Technical Specifications, see ...	<i>Technical Information / Shutter/Blind Controls / Flush-mounting isolating relays for shutter/blind control</i>	20/55	5TC1 270																																																																
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5TC1 270			024	1																																																																				

5TC1 270

Shutter/blind controls

Version		Order No.	Price	PG	PS*/ P. unit				
			1 unit		Unit(s)				
 5TC1 271	Shutter/blind control flush-mounting isolating relays, compact • Relay for the control of several shutters or blinds • A maximum of two motors can be connected per compact isolating relay, whereby the drive connected to the marked motor terminals can also be individually controlled over a blind pushbutton • If cascaded, a motor can be connected to each compact isolating relay, which can also be individually controlled over a blind pushbutton • The isolating relay should be installed in a surface-mounting or flush-mounting box (flush-mounting box from 60 mm Ø, 40 mm deep or surface-mounting boxes from 75 mm x 75 mm) • Only for in-phase operation • 8 A (AC1) or 3 A (ind.), 230 V AC, 50 Hz • 50 mm x 53 mm x 22 mm	5TC1 271		024	1				
	<table><tr><th>Note</th><th>Section</th><th>Page</th></tr><tr><td>Technical Specifications, see ...</td><td><i>Technical Information / Shutter/Blind Controls / Compact flush-mounting isolating relays for shutter/ blind control</i></td><td>20/56</td></tr></table>	Note	Section	Page	Technical Specifications, see ...	<i>Technical Information / Shutter/Blind Controls / Compact flush-mounting isolating relays for shutter/ blind control</i>	20/56		
Note	Section	Page							
Technical Specifications, see ...	<i>Technical Information / Shutter/Blind Controls / Compact flush-mounting isolating relays for shutter/ blind control</i>	20/56							

Selection and ordering data

Version	Order No.	Price	PG	PS*/ P. unit
		1 unit		Unit(s)

General information

- Size of cover plates: 65 mm x 65 mm
- Degree of protection: IP20

Rotary dimmers

5TC8 921

Cover plates with rotary button, for dimmers

arctic white (similar to RAL 9002)

Symbol	Inserts	Section	Page
	Incandescent lamp dimmers, 50 ... 400 W	Functions / Switching/ Pushbutton Control/ Dimming	12/10
	Incandescent lamp dimmers, 50 ... 600 W, for two-way switching	dto.	12/11
	Low-voltage dimmers, for magnetic transformers, 50 ... 600 W, 25 ... 500 VA, for two-way switching	dto.	12/11
	Low-voltage dimmers, for electronic transformers, 20 ... 600 W, 20 ... 525 VA, for two-way switching	dto.	12/12
	Low-voltage dimmers, for electronic transformers, 60 ... 800 W, 60 ... 800 VA, for two-way switching	dto.	12/12
	Electronic potentiometers, switch	dto.	12/14
	Electronic potentiometer, pushbutton	dto.	12/15

5TC8 921	024	1/5
5TC8 256	024	1
5TC8 257	024	1
5TC8 283	024	1
5TC8 284	024	1
5TC8 258	024	1
5TC8 424	024	1
5TC8 425	024	1

Sensor dimmers

5TG8 501

Cover plates with sensor area

arctic white (similar to RAL 9002)

Symbol	Power	Inserts	Section	Page
		Sensor dimmers		
	20 ... 400 W	• Without memory function	Functions / Switching/ Pushbutton Control/ Dimming	12/13
	20 ... 300 VA	• With memory function	dto.	12/13

5TG8 501	024	1/5
5TC8 240	024	1
5TC8 232	024	1

Motion detectors

Selection and ordering data

Version	Order No.	Price	PG	PS*/ P. unit																								
		1 unit		Unit(s)																								
General information • Size of tops: 65 mm x 65 mm • Degree of protection: IP20																												
	Motion detector tops • 65 mm x 65 mm • The motion detector top responds to heat motions and initiates a switching operation • The lighting remains switched on as long as the motion detector top detects movement, otherwise it is switched off after the fixed delay time of approx. 2 min • The lighting is only switched on again after a locking time of 3 sec • Depending on technical requirements (relay, triac or extension unit insert), the motion detector top is operated in combination with a motion detector insert • The sensing range can be extended if combined with a motion detector extension unit insert • 2 different versions are available, depending on the required assembly height (1.10 or 2.20 m) • Thanks to their modular design, tops and inserts can be freely combined • The sensing range of a center unit can be extended by connecting a maximum of 10 motion detector extension units • The number of connectable passive extension units is unlimited (e.g. pushbutton, 1 NO contact, 5TD2 120) • The sensitivity can be continuously set between 20 and 100 % • Arctic white (similar to RAL 9002)																											
	Versions • Assembly height 1.10 m • Assembly height 2.20 m																											
	Inserts <table><tr><th>Section</th><th>Page</th></tr><tr><td>Motion detector relay inserts</td><td>Functions / Motion Detectors 13/2</td></tr><tr><td>Motion detector triac inserts</td><td>dto. 13/3</td></tr><tr><td>Motion detector extension unit inserts</td><td>dto. 13/4</td></tr></table>				Section	Page	Motion detector relay inserts	Functions / Motion Detectors 13/2	Motion detector triac inserts	dto. 13/3	Motion detector extension unit inserts	dto. 13/4																
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	Motion detector relay inserts	Functions / Motion Detectors 13/2																										
	Motion detector triac inserts	dto. 13/3																										
	Motion detector extension unit inserts	dto. 13/4																										
	Technical specifications <table><tr><td>Sensing angle</td><td>approx. 180°</td></tr><tr><td>Assembly height</td><td>1.10 m / 2.20 m (depending on the version)</td></tr><tr><td>Sensing field</td><td> • 1.10 m lens approx. 10 m x 12 m • 2.20 m lens approx. 12 m x 12 m </td></tr><tr><td>Number of lenses / lens levels</td><td> • 1.10 m lens 18 / 2 • 2.20 m lens 26 / 3 </td></tr><tr><td>Rated voltage flush-mounting inserts</td><td>230 V AC , 50 Hz</td></tr><tr><td>Operating temperature</td><td>approx. -20 ... +45 °C</td></tr><tr><td>Delay time, permanently set</td><td>approx. 2 min</td></tr><tr><td>Locking time after switch-off</td><td>approx. 3 s</td></tr><tr><td>Brightness threshold value</td><td>approx. 0 ... 80 lux / daytime operation</td></tr><tr><td>Sensitivity</td><td>approx. 20 ... 100%</td></tr><tr><td>Number of extension units at the flush-mounting insert</td><td></td></tr><tr><td> • Motion detector extension units • Mechanical pushbuttons </td><td> - max. 10 - unlimited </td></tr></table>				Sensing angle	approx. 180°	Assembly height	1.10 m / 2.20 m (depending on the version)	Sensing field	• 1.10 m lens approx. 10 m x 12 m • 2.20 m lens approx. 12 m x 12 m	Number of lenses / lens levels	• 1.10 m lens 18 / 2 • 2.20 m lens 26 / 3	Rated voltage flush-mounting inserts	230 V AC , 50 Hz	Operating temperature	approx. -20 ... +45 °C	Delay time, permanently set	approx. 2 min	Locking time after switch-off	approx. 3 s	Brightness threshold value	approx. 0 ... 80 lux / daytime operation	Sensitivity	approx. 20 ... 100%	Number of extension units at the flush-mounting insert		• Motion detector extension units • Mechanical pushbuttons	- max. 10 - unlimited
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5TC1 500																												
024 1																												
5TC1 501																												
024 1																												
5TC1 502																												
024 1																												

Room temperature controllers

Selection and ordering data

Version	Order No.	Price	PG	PS*/ P. unit									
		1 unit		Unit(s)									
General information • For stand-alone devices and combinations • For screw fixing • Degree of protection: IP20 • Size of cover plates: 65 mm x 65 mm													
	Cover plates for room temperature controllers, NC/CO arctic white (similar to RAL 9002)	5TC9 263	024	1/25									
	<table><tr><th>Inserts</th><th>Section</th><th>Page</th></tr><tr><td><i>Room temperature controllers, 1 NC contact</i></td><td><i>Functions / Room Temperature Controls</i></td><td>15/2</td></tr><tr><td><i>Room temperature controllers, 1 CO contact</i></td><td><i>dto.</i></td><td>15/2</td></tr></table>	Inserts	Section	Page	<i>Room temperature controllers, 1 NC contact</i>	<i>Functions / Room Temperature Controls</i>	15/2	<i>Room temperature controllers, 1 CO contact</i>	<i>dto.</i>	15/2	5TC9 200	024	1
	Inserts	Section	Page										
	<i>Room temperature controllers, 1 NC contact</i>	<i>Functions / Room Temperature Controls</i>	15/2										
<i>Room temperature controllers, 1 CO contact</i>	<i>dto.</i>	15/2											
		5TC9 201	024	1/100									
	Cover plates for room temperature controllers, 3-position switch • Possible positions: – Automatic timing – Constant day temperature – Constant nighttime reduction • Arctic white (similar to RAL 9002)	5TC9 266	024	1									
	<table><tr><th>Inserts</th><th>Section</th><th>Page</th></tr><tr><td><i>Room temperature controller, 3-position switch</i></td><td><i>Functions / Room Temperature Controls</i></td><td>15/3</td></tr></table>	Inserts	Section	Page	<i>Room temperature controller, 3-position switch</i>	<i>Functions / Room Temperature Controls</i>	15/3	5TC9 202	024	1			
	Inserts	Section	Page										
<i>Room temperature controller, 3-position switch</i>	<i>Functions / Room Temperature Controls</i>	15/3											

Version	Order No.	Price	PG	PS*/ P. unit	
		1 unit		Unit(s)	
General information Size of rockers: 65 mm x 65 mm					
 5WG1 284-2AB01	UP 284 pushbuttons, quadruple • With labeling field • With orientation light and status display, quadruple				
	Versions				
	• Arctic white / arctic white (similar to RAL 9002)		5WG1 284-2AB01	030 1	
	• Arctic white / steel (similar to RAL 9002/steel)		5WG1 284-2AB03	030 1	
	Inserts	Section	Page		
	<i>UP 110 bus coupling units</i>				
	• Mounting depth 27 mm	<i>Functions / GAMMA Building Controls</i>	19/2	5WG1 110-2AB03	030 1
	• Mounting depth 19 mm	<i>dto.</i>	19/2	5WG1 110-2AB11	030 1
	Note				
	Our free labeling tool can help you create individual labels. Download at: http://www.siemens.de/beschriftungstool				
 5WG1 586-2AB01	UP 586 display and control units • Graphical LCD with integrated DELTA bus coupling unit for display of up to 16 user programmable indications • Each indication can be displayed on up to 3 lines • Up to five lines visible on the LCD depending on the font selected • The 4 pushbuttons can be used to select indications, trip switching commands or change temperature setpoints or brightness values in % • Arctic white (similar to RAL 9002)		5WG1 586-2AB01	030 1	
	Technical specifications				
	LCD resolution	132 x 65 pixels			
	Fonts	can be selected or are user configurable			
	Background lighting	continuously "ON" or continuously "OFF" using pushbuttons with adjustable delay time, by means of bus telegram or alarm function			
	Alarm functions	visual and/or acoustic with acknowledgment option			

Version		Order No.	Price	PG	PS*/ P. unit	
			1 unit		Unit(s)	
 5WG1 256-2AB01	UP 256 motion detectors • Proximity switches for detecting persons • The integrated passive infrared motion sensor (PIR) reacts to temperature changes in its monitoring range • Can be used as stand-alone device or for main and secondary operation					
	Versions					
	• Assembly height 1.10 m – arctic white (similar to RAL 9002)		5WG1 256-2AB01	030	1	
	• Assembly height 2.20 m – arctic white (similar to RAL 9002)		5WG1 256-2AB02	030	1	
	Inserts	Section	Page			
	UP 110 bus coupling units					
	• Mounting depth 27 mm	Functions / GAMMA Building Controls	19/2	5WG1 110-2AB03	030	1
	• Mounting depth 19 mm	dto.	19/2	5WG1 110-2AB11	030	1
	Technical specifications					
	Horizontal sensing angle	180° in 2 levels, can be reduced up to 90° left or right using detachable blanking cover				
	Range	approx. 10 m (for assembly height 1.10 m) approx. 12 m (for assembly height, 2.20 m) approx. 6 m laterally in both directions (both versions)				
	Potentiometers for continuous adjustment	between 100 and 20 %				
Light sensor	adjustable in various steps from approx. 1 ... 1000 Lux (night to day operation)					
 5WG1 253-2AB03	UP 253 room temperature controllers • Can be used as a two-position controller or continuous-action controller • For controlling electrothermal or electromotive actuators • 5 LEDs for operating status display • Presence pushbutton • Rotary button for shifting the basic setpoint • Arctic white (similar to RAL 9002)		5WG1 253-2AB03	030	1	
	Inserts	Section	Page			
	UP 110 bus coupling units					
	• Mounting depth 27 mm	Functions / GAMMA Building Controls	19/2	5WG1 110-2AB03	030	1
	• Mounting depth 19 mm	dto.	19/2	5WG1 110-2AB11	030	1
 5WG1 142-2AB01	UP 142 RS 232 interfaces • Supports connection of a PC for addressing, parameter assignment, visualization, logging and diagnostics of the bus device • Transfer rate: 9600 baud • Arctic white (similar to RAL 9002)		5WG1 142-2AB01	030	1	
	Inserts	Section	Page			
	UP 110 bus coupling units					
	• Mounting depth 27 mm	Functions / GAMMA Building Controls	19/2	5WG1 110-2AB03	030	1
	• Mounting depth 19 mm	dto.	19/2	5WG1 110-2AB11	030	1

Version		Order No.	Price	PG	PS*/ P. unit															
			1 unit		Unit(s)															
 5WG1 142-2EB01	UP 142 E interfaces • Supports connection of a PC to the KNX EIB over the integrated USB socket (type B): for addressing, parameter assignment, visualization, logging and diagnosis of the bus devices • Connection can be implemented either using the standard or the FT1.2 protocol • Transfer rate: 9600 baud (19200 baud at FT1.2) • Arctic white (similar to RAL 9002)		5WG1 142-2EB01	030	1															
	<table><tr><th>Inserts</th><th>Section</th><th>Page</th></tr><tr><td colspan="3"><i>UP 110 bus coupling units</i></td></tr><tr><td>• Mounting depth 27 mm</td><td><i>Functions / GAMMA Building Controls</i></td><td>19/2</td></tr><tr><td>• Mounting depth 19 mm</td><td><i>dto.</i></td><td>19/2</td></tr><tr><td><i>UP 114 bus coupling units</i></td><td><i>dto.</i></td><td>19/3</td></tr></table>					Inserts	Section	Page	<i>UP 110 bus coupling units</i>			• Mounting depth 27 mm	<i>Functions / GAMMA Building Controls</i>	19/2	• Mounting depth 19 mm	<i>dto.</i>	19/2	<i>UP 114 bus coupling units</i>	<i>dto.</i>	19/3
	Inserts	Section				Page														
	<i>UP 110 bus coupling units</i>																			
	• Mounting depth 27 mm	<i>Functions / GAMMA Building Controls</i>				19/2														
• Mounting depth 19 mm	<i>dto.</i>	19/2																		
<i>UP 114 bus coupling units</i>	<i>dto.</i>	19/3																		
		5WG1 110-2AB03	030	1																
		5WG1 110-2AB11	030	1																
		5WG1 114-2AB02	030	1																
 5WG1 563-2AB11	UP 563 function modules • For the manufacture of switchable SCHUKO socket outlets • 10 A switch actuator with integrated bus coupling unit • For mounting on screwless SCHUKO socket outlets (not for double socket outlets or socket outlets with overvoltage protection) • For the integration of switchable SCHUKO socket outlets in the DELTA ambiente product range 60 mm deep switch and socket box with mounted leveling ring (24 mm), i.e. an overall depth of 84 mm is required.		5WG1 563-2AB11	030	1															
	<table><tr><th>Note</th></tr><tr><td>The SCHUKO socket outlet and corresponding frame must be ordered separately; we recommend selecting a SCHUKO outlet with status display, which allows you to check the circuit state at any time.</td></tr></table>					Note	The SCHUKO socket outlet and corresponding frame must be ordered separately; we recommend selecting a SCHUKO outlet with status display, which allows you to check the circuit state at any time.													
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The SCHUKO socket outlet and corresponding frame must be ordered separately; we recommend selecting a SCHUKO outlet with status display, which allows you to check the circuit state at any time.																				

Communication

Selection and ordering data

Version	Order No.	Price	PG	PS*/ P. unit
		1 unit		Unit(s)
General information Size of cover plates: 65 mm x 65 mm				
 5TG1 500	Cover plates for TAE outlet boxes and loudspeaker outlet boxes arctic white (similar to RAL 9002)		5TG1 500	021 1/5
	Inserts	Section	Page	
	TAE 6F+N, black ¹⁾	Functions / Data and Communication Systems	16/3	5TG2 853 021 1
	TAE 3x 6NFN, black ¹⁾	dto.	16/3	5TG2 480 021 1
	TAE 2x 6/6NFF, black ¹⁾	dto.	16/3	5TG2 854 021 1
	UAE 8/6 / TAE 6F+N, black	dto.	16/3	5TG2 855 021 1
	Loudspeaker outlet boxes, single	dto.	16/10	5TG2 467-2 021 1
	Loudspeaker outlet boxes, double	dto.	16/10	5TG2 468-2 021 1
	Footnote			
	¹⁾ Design for Austria on request.			
 5TG1 521	Cover plates for UAE outlet boxes		5TG1 521	021 1/10
	• For Cat 3, Cat 5 and Cat 6 inserts from Rutenbeck • For Cat 6 inserts from BTR (E-DAT) • With 45° inclined outlet • For single and double • Inclined outlet can be knocked out for 2 x 8 inserts • Arctic white (similar to RAL 9002)			
	Inserts	Section	Page	
	UAE outlet boxes, Cat 3, Rutenbeck, 1 x 8-pole	Functions / Data and Communication Systems	16/4	5TG2 417 021 1
	UAE outlet boxes, Cat 3, Rutenbeck, 2 x 8-pole	dto.	16/4	5TG2 406 021 1
	UAE outlet boxes, Cat 5e, Rutenbeck, 1 x 8-pole	dto.	16/4	5TG2 418 021 1
	UAE outlet boxes, Cat 5e, Rutenbeck, 2 x 8-pole	dto.	16/4	5TG2 407 021 1
	UAE outlet boxes, real Cat 6, Rutenbeck, 2 x 8-pole	dto.	16/4	5TG2 448 021 1
	Note			
	The UAE cover plate can be combined with • AMJ45 and UMJ45 Up 0 inserts (without central plate) from Telegärtner, • AMP-TWIST-6S Plannar Up 0 inserts from Tyco electronics and • Cat 5e UP 0 inserts from Tyco electronics.			



5TG1 522

Cover plates for UAE outlet boxes, with labeling field

- For Cat 3, Cat 5 and Cat 6 inserts from Rutenbeck
- For Cat 6 inserts from BTR (E-DAT)
- With 45° inclined outlet
- For single and double
- Inclined outlet can be knocked out for 2 x 8 inserts
- Arctic white (similar to RAL 9002)

Inserts	Section	Page
UAE outlet boxes, Cat 3, Rutenbeck, 1 x 8-pole	Functions / Data and Communication Systems	16/4
UAE outlet boxes, Cat 3, Rutenbeck, 2 x 8-pole	dto.	16/4
UAE outlet boxes, Cat 5e, Rutenbeck, 1 x 8-pole	dto.	16/4
UAE outlet boxes, Cat 5e, Rutenbeck, 2 x 8-pole	dto.	16/4
UAE outlet boxes, real Cat 6, Rutenbeck, 2 x 8-pole	dto.	16/4

Note

- The UAE cover plate can be combined with
- AMJ45 and UMJ45 Up 0 inserts (without central plate) from Telegärtner,
 - AMP-TWIST-6S Plannar Up 0 inserts from Tyco electronics and
 - Cat 5e UP 0 inserts from Tyco electronics.

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5TG1 522

021 1/10

5TG2 417

021 1

5TG2 406

021 1

5TG2 418

021 1

5TG2 407

021 1

5TG2 448

021 1

TV/RF/SAT

Selection and ordering data

Version	Order No.	Price	PG	PS* / P. unit
		1 unit		Unit(s)
General information Size of cover plates: 65 mm x 65 mm				
	Cover plates for TV/RF/SAT connection, 2-hole version arctic white (similar to RAL 9002)		5TG1 516	021 1/5
	Inserts	Section	Page	
	Aerial branch-circuit boxes	Functions / Data and Communication Systems	16/2	5TG2 485 021 1/10
	Aerial through-way boxes/terminal boxes	dto.	16/2	5TG2 484 021 1/10
5TG1 516	Cover plates for TV/RF/SAT connection, 3-hole version arctic white (similar to RAL 9002)		5TG1 518	021 1/5
5TG1 518	Cover plates for TV/RF/SAT connection, 4-hole version • With double SAT connection • Suitable for Hirschmann SAT EVU O2F boxes • Arctic white (similar to RAL 9002)		5TG1 517	021 1/5
5TG1 517				

Selection and ordering data

Version		Order No.	Price	PG	PS*/ P. unit						
			1 unit		Unit(s)						
Add-on devices											
General information Size of cover plates: 65 mm x 65 mm											
	Blanking cover plates • For screw and claw fixing • Arctic white (similar to RAL 9002)	5TG1 510		021	1/5						
	<table><tr><th>Note</th><th>Section</th><th>Page</th></tr><tr><td>The blanking cover can also be used with the UP 141 repeater wave insert (5WG3 141-2AB01), see ...</td><td>Remote Control Systems / GAMMA wave - The Multifunctional Radio System / Inserts</td><td>17/5</td></tr></table>	Note	Section	Page	The blanking cover can also be used with the UP 141 repeater wave insert (5WG3 141-2AB01), see ...	Remote Control Systems / GAMMA wave - The Multifunctional Radio System / Inserts	17/5				
	Note	Section	Page								
The blanking cover can also be used with the UP 141 repeater wave insert (5WG3 141-2AB01), see ...	Remote Control Systems / GAMMA wave - The Multifunctional Radio System / Inserts	17/5									
	Outlet plates • For screw and claw fixing • Arctic white (similar to RAL 9002)	5TG1 507		021	1/5						
	Light signals • 250 V AC with transformer • With tubular lamp 12 V AC • With red window • Arctic white (similar to RAL 9002)	5TD2 850		021	1/5						
	<table><tr><th>Note</th></tr><tr><td>Our free labeling tool can help you create individual labels. Download at: http://www.siemens.de/beschriftungstool</td></tr></table>	Note	Our free labeling tool can help you create individual labels. Download at: http://www.siemens.de/beschriftungstool								
	Note										
Our free labeling tool can help you create individual labels. Download at: http://www.siemens.de/beschriftungstool											
Accessories for dimmers											
	Spare fuses 250 V	5TG8 302		024	1/10						
	• T 1.6 H 250 V – for incandescent lamp dimmers, 50 ... 400 W (5TC8 256) – for sensor dimmers, with/without memory function, 20 ... 400 W (5TC8 240 / 5TC8 232)										
	• T 2.5 H 250 V – for incandescent lamp dimmers, 50 ... 600 W (5TC8 257)	5TG8 305		024	1/10						
	• T 4 H 250 V – for low-voltage dimmers for magnetic transformers (5TC8 283) – for electronic potentiometers (5TC8 424 and 5TC8 420) – for speed regulating rheostats (5TC8 604)	5TG8 330		024	1/10						
Spare parts											
	Spare tubular lamps for light signal inserts 1.2 W, 12 V AC	5TG1 897		021	1/10						
	Spare glow lamps • For SCHUKO socket outlet with status display • 1.5 mA, 230 V AC/50 Hz	5TG7 304		021	1/10						

Accessories and spare parts

Version		Order No.	Price	PG	PS*/ P. unit												
			1 unit		Unit(s)												
	Spare overvoltage protection modules for SCHUKO socket outlets with overvoltage protection	5UH1 300		021	1												
5UH1 300																	
	Spare window sets for light signals 1 set contains 2 x red, 2 x clear and 2 x gray	5TG1 898	1 set	021	1 set/ 10 sets												
5TG1 898																	
	Glow lamps for switch and pushbutton inserts - Protected against contact 230 V AC																
5TG7 321																	
<table><tr><th>Luminosity</th><th>Power consumption</th><th>Base color</th></tr><tr><td>Weak</td><td>0.18 mA</td><td>White</td></tr><tr><td>Average</td><td>0.9 mA</td><td>Gray</td></tr><tr><td>Strong</td><td>1.35 mA</td><td>Blue</td></tr></table>		Luminosity	Power consumption	Base color	Weak	0.18 mA	White	Average	0.9 mA	Gray	Strong	1.35 mA	Blue	5TG7 321		021	1/10
Luminosity	Power consumption	Base color															
Weak	0.18 mA	White															
Average	0.9 mA	Gray															
Strong	1.35 mA	Blue															
		5TG7 332		021	1/10												
		5TG7 342		021	1/10												
	Incandescent lamps for switch and pushbutton inserts																
5TG7 313																	
<table><tr><th>Voltage</th><th>Power consumption</th><th>Base color</th></tr><tr><td>8 V</td><td>35 mA</td><td>White</td></tr><tr><td>12 V</td><td>40 mA</td><td>White</td></tr><tr><td>24 V</td><td>20 mA</td><td>White</td></tr></table>		Voltage	Power consumption	Base color	8 V	35 mA	White	12 V	40 mA	White	24 V	20 mA	White	5TG7 313		021	1/10
Voltage	Power consumption	Base color															
8 V	35 mA	White															
12 V	40 mA	White															
24 V	20 mA	White															
		5TG2 785		021	1/10												
		5TG7 314		021	1/10												
Accessories for shutter/blind controls																	
	Sun sensors - With 2-m connecting cable (extendable to 25 m) - In combination with the Comfort shutter/blind control, the sun sensor can be used for sun protection and twilight functions	5TC1 526		024	1												
5TC1 526																	
<table><tr><th>Note</th><th>Section</th><th>Page</th></tr><tr><td>Technical Specifications, see ...</td><td>Technical Information / Shutter/Blind Controls / Comfort shutter/blind control</td><td>20/51</td></tr></table>		Note	Section	Page	Technical Specifications, see ...	Technical Information / Shutter/Blind Controls / Comfort shutter/blind control	20/51										
Note	Section	Page															
Technical Specifications, see ...	Technical Information / Shutter/Blind Controls / Comfort shutter/blind control	20/51															

9/2

**Module carriers for DELTA line,
DELTA vita and DELTA miro**

9/4

Module carriers for DELTA profil

9/6

Modules for communication

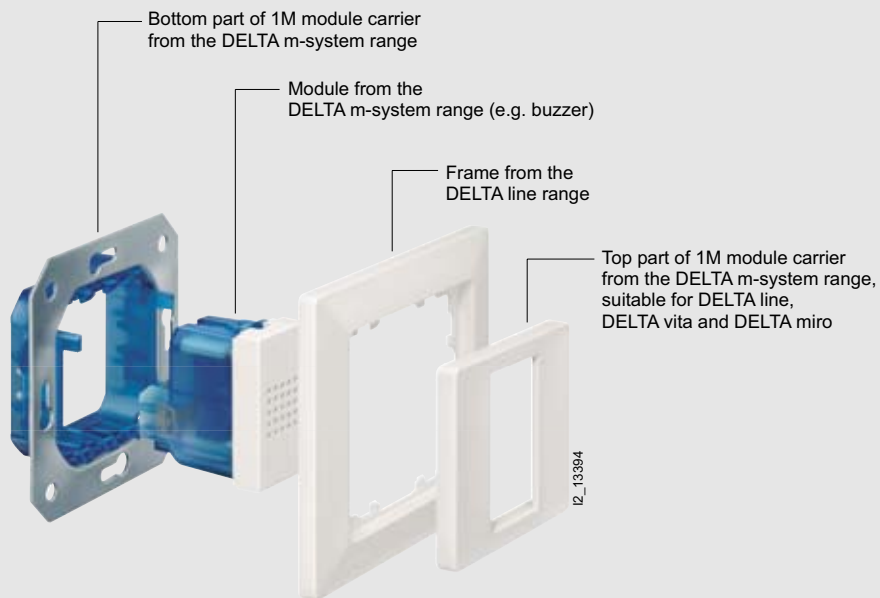
9/7

Other modules

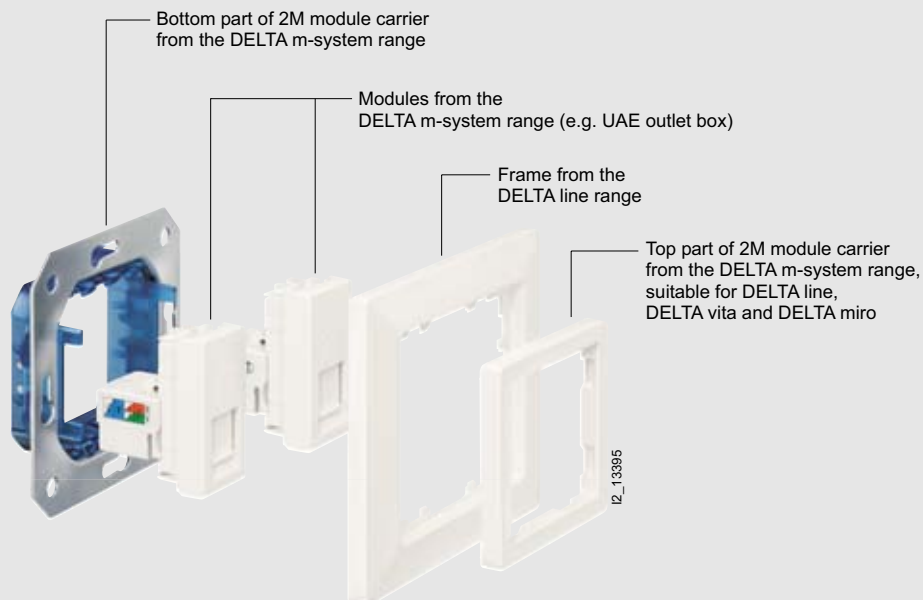
DELTA m-system

Module carriers for DELTA line, DELTA vita and DELTA miro

Overview



Modular components of DELTA m-system (one module) with, for example, DELTA line



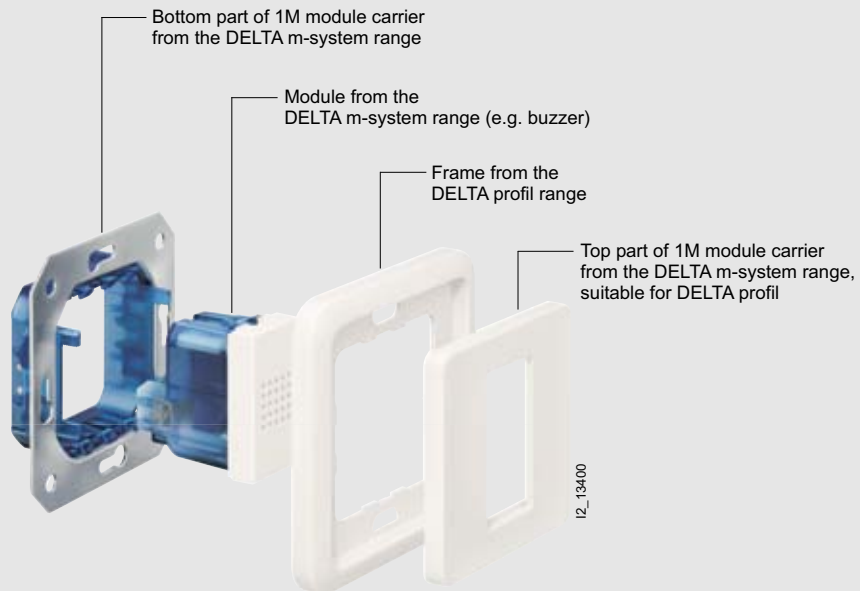
Modular components of DELTA m-system (two modules) with, for example, DELTA line

Selection and ordering data

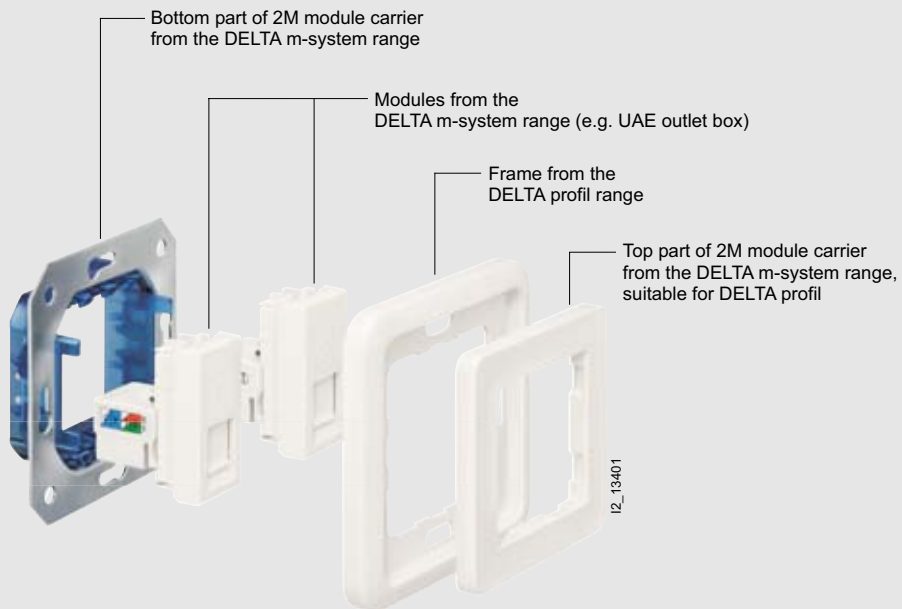
Version		Order No.	Price	PG	PS*/ P. unit
			1 unit		Unit(s)
General information for holding modules from the DELTA m-system					
 5TG2 008	Module carriers, 1M • Incl. intermediate frame • For screw fixing • Titanium white (similar to RAL 9010)	5TG2 008		021	1
	Note	Section	Page (ff.)		
	For module inserts, see ...	Design / DELTA m-system	9/6		
 5TG2 010	Module carriers, 2M • Incl. intermediate frame • For screw fixing • Titanium white (similar to RAL 9010)	5TG2 010		021	1
	Note	Section	Page (ff.)		
	For module inserts, see ...	Design / DELTA m-system	9/6		

Module carriers for DELTA profil

Overview



Modular components of DELTA m-system (one module) with DELTA profil



Modular components of DELTA m-system (two modules) with DELTA profil

Selection and ordering data

Version		Order No.	Price	PG	PS*/ P. unit
			1 unit		Unit(s)
General information for holding modules from the DELTA m-system					
	Module carriers, 1M • Incl. intermediate frame • For screw fixing • Titanium white (similar to RAL 9010)		5TG1 911		021 1
	Note	Section	Page (ff.)		
	For module inserts, see ...	Design / DELTA m-system	9/6		
5TG1 911					
	Module carriers, 2M • Incl. intermediate frame • For screw fixing • Titanium white (similar to RAL 9010)		5TG1 912		021 1/20
	Note	Section	Page (ff.)		
	For module inserts, see ...	Design / DELTA m-system	9/6		
5TG1 912					

* You can order this quantity or a multiple thereof.

Modules for communication

Selection and ordering data

Version		Order No.	Price	PG	PS*/ P. unit
			1 unit		Unit(s)
General information					
Note					
All the modules shown here can be combined with the module carriers of the DELTA line, DELTA vita, DELTA miro, DELTA profil product ranges.					
	UAE outlet boxes, Cat 3		5TG9 874-1TW		021 1/60
	• Telephone socket outlet for modular system • KAT3 RJ11/12 with shutter • LSA-Plus connection method • Can only be used with module carrier, 1M or 2M • Titanium white (similar to RAL 9010)				
	Note	Section	Page		
	Module carriers for DELTA line, DELTA vita and DELTA miro, see ...	<i>Design / DELTA m-System / Module carriers for DELTA line, DELTA vita and DELTA miro</i>	9/3		
	Module carriers for DELTA profil, see ...	<i>Design / DELTA m-System / Module carriers for DELTA profil</i>	9/5		
	UAE outlet boxes, Cat 5		5TG9 874-2TW		021 1/60
	• PC socket outlet for modular system • KAT5 RJ45 with shutter • LSA-Plus connection method • Can only be used with module carrier, 1M or 2M • Titanium white (similar to RAL 9010)				
	Note	Section	Page		
	Module carriers for DELTA line, DELTA vita and DELTA miro, see ...	<i>Design / DELTA m-System / Module carriers for DELTA line, DELTA vita and DELTA miro</i>	9/3		
	Module carriers for DELTA profil, see ...	<i>Design / DELTA m-System / Module carriers for DELTA profil</i>	9/5		

Selection and ordering data

Version			Order No.	Price	PG	PS*/ P. unit
				1 unit		Unit(s)
General information						
Note						
All the modules shown here can be combined with the module carriers of the DELTA line, DELTA vita, DELTA miro, DELTA profil product ranges.						
	Buzzers		5TG9 875-8TW		021	1
	• 230 V, 50/60 Hz, 80 dB(A) • Adjustable volume • 100 % duty ratio • Screw-type terminals • Can only be used with module carrier, 1M or 2M • Titanium white (similar to RAL 9010)					
	Note	Section	Page			
	Module carriers for DELTA line, DELTA vita and DELTA miro, see ...	Design / DELTA m-System / Module carriers for DELTA line, DELTA vita and DELTA miro	9/3	5TG2 008	021	1
Module carriers for DELTA profil, see ...		Design / DELTA m-System / Module carriers for DELTA profil	9/5	5TG1 911	021	1

DELTA m-system

Notes

DELTA area 20

10/2	Introduction
10/2	Switches and pushbuttons
10/6	Shutter/blind controls
10/7	Socket outlets
10/9	Accessories and spare parts



Introduction

Overview

Clean cut

No more cap breakages when opening the four optional cable entries: this is because they are cut and not broken – the cap wall can be cut because the material (thermoplastic) is sufficiently thin.

Quick assembly

The cover has a timesaving snap-on lock, which can be secured with a screw if required.

Simple connection

The large distance between insert and cover, due to the small base, facilitates cable routing and connection.

The pilot/orientation light is also simple to retrofit.

A topographical wiring diagram can be found on the bottom of the base.

Switches and pushbuttons

Selection and ordering data

Version	Order No.	Price 1 unit	PG	PS*/ P. unit Unit(s)
General information • 16 A, 250 V AC • Size of switches and pushbuttons: 65 mm x 65 mm x 30 mm • Degree of protection: IP20 • Color: Titanium white (similar to RAL 9010)				
Two-way switches NEW  5TA3 256 (front)  5TA3 256 (back)	5TA3 256		021	1/10
ON/OFF switches, 1-pole NEW  5TA3 251 (front)  5TA3 251 (back)	5TA3 251		021	1/10



Switches and pushbuttons

Version		Order No.	Price	PG	PS*/ P. unit
			1 unit		Unit(s)
ON/OFF switches, 2-pole, with I/O symbols		5TA3 252		021	1/10
					
5TA3 252 (front)					
					
5TA3 252 (back)					
Intermediate switches		5TA3 257		021	1/10
					
5TA3 257 (front)					
					
5TA3 257 (back)					
Switches with pilot lamp for ON/OFF switching, with window with glow lamp		5TA3 250		021	1/10
					
5TA3 250 (front)					
					
5TA3 250 (back)					

Switches and pushbuttons

Version		Order No.	Price	PG	PS*/ P. unit
			1 unit		Unit(s)
 5TA3 258 (front)	Switches with pilot lamp for two-way switching, with window NEW with glow lamp	5TA3 258		021	1/10
 5TA3 258 (back)					
 5TA3 255 (front)	Two-circuit switches NEW	5TA3 255		021	1/10
 5TA3 255 (back)					
 5TD3 251 (front)	Pushbuttons with window NEW without glow lamp	5TD3 251		021	1/10
 5TD3 251 (back)					



Switches and pushbuttons

Version	Order No.	Price	PG	PS*/ P. unit
		1 unit		Unit(s)
Pushbuttons, with "Light" symbol	5TD3 252		021	1/10
 5TD3 252 (front)				
 5TD3 252 (back)				
Pushbuttons, with "Bell" symbol	5TD3 253		021	1/10
 5TD3 253 (front)				
 5TD3 253 (back)				
Pushbuttons, with "Door opener" symbol	5TD3 254		021	1/10
 5TD3 254 (front)				
 5TD3 254 (back)				

Shutter/blind controls

Selection and ordering data

Version		Order No.	Price	PG	PS* / P. unit
			1 unit		Unit(s)
 5TD3 255 (front)  5TD3 255 (back)		Pushbuttons with Up/Down symbols  5TD3 255		021	1/10



Selection and ordering data

Version	Order No.	Price 1 unit	PG	PS*/ P. unit Unit(s)
General information • 16 A, 250 V AC • Color: Titanium white (similar to RAL 9010)				
 SCHUKO socket outlets, single NEW • 65 × 65 mm • Height 42 mm	5UB3 251		021	1/10
 SCHUKO socket outlets, double NEW • 65 × 95 mm • Height 42 mm	5UB3 252		021	1/10
 SCHUKO socket outlets, quadruple, with increased protection against contact NEW • 112 × 98 mm • Height 42 mm	5UB3 254		021	1/10
 SCHUKO socket outlets, double • 10 A, -250 V AC • Color: Electrical white (RAL 1013) • 100 mm x 60 mm • Height 47 mm • Discontinued model Note Not in the DELTA area 20 design	5UB2 510		021	1/5

Socket outlets

Version		Order No.	Price	PG	PS*/ P. unit
			1 unit		Unit(s)
	SCHUKO socket outlets, double, with increased protection against contact • 10 A, -250 V AC • Color: Electrical white (RAL 1013) • 95 mm x 58 mm • Height 42 mm • Discontinued model	5UB3 206		021	1/5
	Note				
	Not in the DELTA area 20 design				
5UB3 206					
	SCHUKO socket outlets, triple • 10 A, -250 V AC • Color: Electrical white (RAL 1013) • 140 mm x 60 mm • Height 47 mm • Discontinued model	5UB3 510		021	1/5
	Note				
	Not in the DELTA area 20 design				
5UB3 510					



Selection and ordering data

Version		Order No.	Price	PG	PS*/ P. unit
			1 unit		Unit(s)
Accessories					
	Base plates, flame-resistant				
	for mounting on e.g. wood				
	Versions				
	• For switches and pushbuttons 	5TG4 251		021	1/10
	• For SCHUKO socket outlets, single (5UB3 251) 	5TG4 252		021	1/10
	• For SCHUKO socket outlets, double (5UB3 252) 	5TG4 253		021	1/10
	• For SCHUKO socket outlets, double (5UB2 510)	5TG4 238		021	1/50
	• For SCHUKO socket outlets, triple (5UB3 510)	5TG4 240		021	1/50
Spare parts					
	Glow lamps, 250 V/0.7 mA 	5TG4 250		021	1/10
	• For switches with pilot lamp • For pushbuttons with window				

DELTA area

DELTA area 20

Notes



DELTA fläche - Surface Mounting

DELTA fläche IP44

- 11/6 Introduction
- 11/8 Switches and pushbuttons
- 11/12 Shutter/blind controls
- 11/13 GAMMA *instabus*
- 11/14 Socket outlets
- 11/16 Combinations of switch/pushbutton and socket outlet
- 11/17 Accessories and spare parts

DELTA fläche IP68

- 11/19 Plug-and-socket devices



Come rain, come shine.



In garages, laundry rooms, laboratories and workshops, you need to stay on your toes - or you may get them wet once in a while – not to mention the floors and walls. This is why it is essential to ensure protection of electrical installations in damp/wet areas or outdoors. A clear case for the DELTA fläche IP44

product range (splash-proof) for damp locations or DELTA fläche IP68 (pressure-water-tight) for extreme conditions.

High and dry.

DELTA fläche **Surface Mounting**

The enclosures and covers are made of fire-retarding polycarbonate, which are extremely high-impact and designed for the most harsh conditions, both in the heat and the cold.

■ DELTA fläche Surface Mounting



Switches with pilot lamp
IP44



Universal switches
IP44



GAMMA *instabus*
pushbuttons



SCHUKO wall socket outlets
with lid
IP68



Components of the surface-mounting product range:

- Rocker switches
- Enclosures made of high-impact thermoplastic
- **SCHUKO** socket outlets
- Two models of the surface-mounting product range for wet/damp areas:
 - IP44 (splash-proof version)
 - IP68 (pressure-water-tight version)

DELTA fläche - Surface Mounting

DELTA fläche IP44

Introduction

Overview



Light signals



SCHUKO socket outlets



Two-circuit switches

Garages, laundry rooms, laboratories and workshops are often exposed to a lot of heavy-duty activity, which includes the odd splash here and there. This means that it's essential to ensure that the electrical installation gets the right degree of protection. That's when you need the splash-proof, surface-mounting DELTA fläche IP44 product range with the large operator interface that takes rough treatment in its stride.

DELTA fläche IP44 – keeping electrical installations "high and dry".

Attractive design

Generous switch rockers, contrasting switch plates, useful combinations: the DELTA product range has an impressively appealing design. This was also confirmed by the jury for the special exhibition "Die gute Industrieform".

Increased safety

The switch enclosures are made of durable, high-impact molded plastic, which is also able to withstand high mechanical loads.

The terminals are insulated against voltage contact. Molded-plastic pressure plates serve to release the conductor. All the edges of the inserts are rounded off – thus preventing damage to the conductor insulation.

A hinged lid on the SCHUKO socket outlet prevents the ingress of moisture. The socket outlet inserts are equipped with connecting terminals according to DIN VDE 0620, which have proven themselves in the field for many years.

Simple operation

Easy-to-use flat rockers – now available in the splash-proof DELTA fläche product range.

- Durable, high-impact thermoplastic enclosure.
- Screwless terminals for switch and socket outlet inserts.
- Insulated reset levers ensure protection against contact.
- Easy conductor releases at a touch of a pushbutton, no tools required.

All terminals are double terminals.

Simple installation

The DELTA fläche product range has been thought through down to the very last detail: the switch plates of the SCHUKO socket outlets and the switches and pushbuttons are screwed onto the lower part with two non-rusting screws. At the back of the switches, pushbuttons and socket outlets are two diagonal 4.5 mm drill holes for slot mounting. Slide nipples facilitate cable entry. All switches and pushbuttons can be equipped with glow lamps in three brightness levels. The multiple combinations of the SCHUKO socket outlets are supplied completely wired. Combination switch and SCHUKO socket outlet units are also available.

A complete range of two-way switches, switches with pilot lamp, pushbuttons, light signals, SCHUKO socket outlets and double and triple combinations of devices are available.

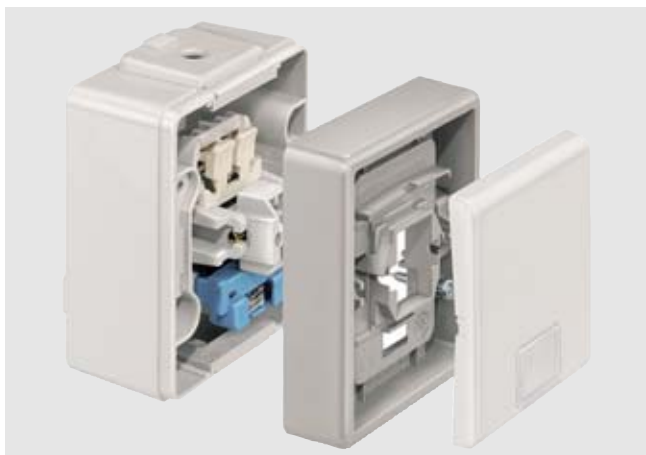
DIN VDE and DIN-compliant technology

The switches and pushbuttons of the splash-proof DELTA fläche product range are manufactured according to DIN VDE 0632 and DIN 49200, the socket outlets with DIN VDE 0620 and DIN 49440. All bear the VDE mark of conformity. The devices offer degree of protection IP44 and are splash-proof. The switches and pushbuttons can be used up to 10 A and 250 V AC, the SCHUKO socket outlets up to 16 A 250 V AC and 10 A 250 V DC.

DELTA fläche - Surface Mounting

DELTA fläche IP44

Introduction



DELTA fläche - Surface Mounting

DELTA fläche IP44

Switches and pushbuttons

Selection and ordering data

Version	Order No.	Price 1 unit	PG	PS*/ P. unit Unit(s)
General information • Degree of protection IP44 and splash-proof • 10 A, 250 V AC according to DIN 49200 • Enclosures made of high-impact molded plastic • Contact material: cadmium and nickel-free • Size of cover: 75 mm x 66 mm x 54 mm • Mounting holes: 4.5 mm Ø • Cable entry: slide nipples for cables with 8 ... 13.5 mm Ø • Special designs on request				
 Universal switches For ON/OFF and two-way switching 5TA4 706	5TA4 706		021	1/10
 Intermediate switches 5TA4 707	5TA4 707		021	1/10
 ON/OFF switches, 1-pole 5TA4 701	5TA4 701		021	1/10
 Switches with pilot lamp for ON/OFF switching, with window With pilot lamp 5TA4 700	5TA4 700		021	1/10

DELTA fläche - Surface Mounting

DELTA fläche IP44

Switches and pushbuttons

Version	Order No.	Price	PG	PS*/ P. unit
		1 unit		Unit(s)
 Switches with pilot lamp for two-way switching, with window with pilot lamp 5TA4 710	5TA4 710		021	1/10
 Heating emergency switches with window, 1-pole • With pilot lamp • According to DIN VDE 0116/3.79 5TA4 741	5TA4 741		021	1/10
 Heating emergency switches with window, 2-pole • With pilot lamp • According to DIN VDE 0116/3.79 5TA4 742	5TA4 742		021	1/10
 Two-way switches with window and labeling field with orientation light Note Our free labeling tool can help you create individual labels. Download at: http://www.siemens.de/beschriftungstool 5TA4 726	5TA4 726		021	1/10
 ON/OFF switches with I/O symbols, 2-pole 10 A, 250 V AC 5TA4 702	5TA4 702		021	1/10

DELTA fläche - Surface Mounting

DELTA fläche IP44

Switches and pushbuttons

Version		Order No.	Price	PG	PS*/ P. unit
			1 unit		Unit(s)
	ON/OFF switches with I/O symbols, 3-pole 16 A, 400 V AC	5TA4 753		021	1/10
	5TA4 753				
	Timers with "Time" symbol and window • 1 ... 6 min • Electronic • Incandescent lamp rating up to 200 W, 230 V AC, 40 – 60 Hz • With orientation light	5TT1 201		027	1
	5TT1 201				
	Two-circuit switches	5TA4 705		021	1/10
	5TA4 705				
	Double two-way switches, double	5TA4 708		021	1/10
	5TA4 708				
	Pushbuttons, 1 CO contact can also be used as NC contact	5TD4 707		021	1/10
	5TD4 707				

DELTA fläche - Surface Mounting

DELTA fläche IP44

Switches and pushbuttons

Version	Order No.	Price	PG	PS*/ P. unit
		1 unit		Unit(s)
 Pushbuttons, 1 NO contact, with white window • With window set (comprising one window each with the 1 "Light" symbol, 1 "Bell" symbol and 1 "Door Opener" symbol respectively, plus 1 neutral window) • Without glow lamp  5TD4 701	5TD4 701		021	1/10
 Pushbuttons, separate check-back indication, with window with 5TG7 332 glow lamp 5TD4 706	5TD4 706		021	1/10
 Light signals • With glow lamp 250 V AC • 75 mm x 66 mm x 54 mm 5TD4 780	5TD4 780		021	1/10
 Heating emergency switches, 3-pole • With pilot lamp • 25 A, 400 V AC • 80 mm x 64 mm x 60 mm 5TB6 231	5TB6 231		021	1/10
 ON/OFF switches, according to workplace regulations • Supplied with clear windows • Neutral and with "Light" symbol • Incl. 5TG7 332 glow lamp 5TA4 711	5TA4 711		021	1/10

* You can order this quantity or a multiple thereof.

DELTA fläche - Surface Mounting

DELTA fläche IP44

Switches and pushbuttons

Version	Order No.	Price	PG	PS*/ P. unit
		1 unit		Unit(s)
 Two-way switches, according to workplace regulations • Supplied with clear windows • Neutral and with "Light" symbol • Incl. 5TG7 332 glow lamp 5TA4 716	5TA4 716		021	1/10
 Pushbuttons, according to workplace regulations • Supplied with clear windows • Neutral and with "Light" symbol • Incl. 5TG7 332 glow lamp 5TD4 705	5TD4 705		021	1/10

Shutter/blind controls

Selection and ordering data

Version	Order No.	Price	PG	PS*/ P. unit
		1 unit		Unit(s)
General information • Degree of protection IP44 and splash-proof. • 10 A, 250 V AC according to DIN 49200 • Enclosures made of high-impact molded plastic • Size of cover: 75 mm x 66 mm x 54 mm • Mounting holes: 4.5 mm Ø • Cable entry: slide nipples for cables, from 8 ... 13,5 mm Ø				
 Shutter/blind key-operated switches with "Key" symbol • With hinged lid • With Up/Down symbols under the hinged lid • 1-pole • With two keys • Identical key type (different locking systems on request) • With screw-type terminals 5TA7 650	5TA7 650 5TA7 651		021	1
Technical Specifications, see ...	Section <i>Technical Information / Shutter/Blind Controls / Shutter/blind key-operated switches</i>	Page 20/45		
 Shutter/blind pushbuttons, with electrical interlock, with Up/Down symbols • Screwless terminals • Terminal assignment same as for 5TA2 114 flush-mounting insert 5TD4 708	5TD4 708		021	1/10
Technical Specifications, see ...	Section <i>Technical Information / Shutter/Blind Controls / Shutter/blind pushbuttons, with electrical interlock</i>	Page 20/44		

Version	Order No.	Price	PG	PS*/ P. unit
		1 unit		Unit(s)
General information • Degree of protection IP44 and splash-proof. • 10 A, 250 V AC according to DIN 49200 • Enclosures made of high-impact molded plastic • Contact material: cadmium and nickel-free • Size of cover: 75 mm x 66 mm x 54 mm • Mounting holes: 4.5 mm Ø • Cable entry: slide nipples for cables with 8 ... 13.5 mm Ø • Special designs on request				
5WG1 115-3AB01	AP 115 pushbuttons with window • Degree of protection IP44 • With integrated bus coupling unit • The integrated LED can be used for status indication or orientation lighting • The LEDs are bus-powered			
Versions				
• Center position	5WG1 115-3AB01		030	1
• Pushbutton position	5WG1 115-3AB21		030	1
5WG1 115-3AB11	AP 115 pushbuttons, double • Degree of protection IP44 • With integrated bus coupling unit			
Versions				
• Center position	5WG1 115-3AB11		030	1
• Pushbutton position	5WG1 115-3AB31		030	1

DELTA fläche - Surface Mounting

DELTA fläche IP44

Socket outlets

Selection and ordering data

Version	Order No.	Price 1 unit	PG	PS*/ P. unit Unit(s)
General information - Degree of protection IP44 and splash-proof. 16 A, 250 V AC; 10 A, 250 V AC - According to DIN 49440 - The terminals are connecting terminals for Cu and aluminum conductors up to 2.5 mm² - Enclosures made of high-impact molded plastic - Mounting holes: 4.5 mm Ø - Cable entry: slide nipples for cables with 8 ... 13.5 mm Ø with hinged lid - With screwless terminals - Special designs on request				
 SCHUKO socket outlets, single Size of cover: 75 mm x 66 mm x 54 mm 5UB4 711	5UB4 711		021	1/10
 SCHUKO socket outlets, single, with labeling field Size of cover: 75 mm x 66 mm x 54 mm Note Our free labeling tool can help you create individual labels. Download at: http://www.siemens.de/beschriftungstool 5UB4 713	5UB4 713		021	1/10
 SCHUKO socket outlets, double, for vertical mounting • Size of cover: 151 mm x 66 mm x 54 mm • SCHUKO socket outlet with labeling field on request • Pre-wired 5UB4 723	5UB4 723		021	1/5
 SCHUKO socket outlets, double, for horizontal mounting • Size of cover: 75 mm x 134 mm x 54 mm • SCHUKO socket outlet with labeling field on request • Pre-wired 5UB4 722	5UB4 722		021	1/5
 SCHUKO socket outlets, triple, for horizontal mounting • Size of cover: 75 mm x 201 mm x 54 mm • SCHUKO socket outlet with labeling field on request • Pre-wired 5UB4 731	5UB4 731		021	1

DELTA fläche - Surface Mounting

DELTA fläche IP44

Socket outlets

Version	Order No.	Price	PG	PS*/ P. unit
		1 unit		Unit(s)
 SCHUKO socket outlets, lockable • Size of cover: 75 mm x 66 mm x 66 mm • With two keys • Identical key type (different locking systems on request) Note The special version offers up to 200 different locking systems. Ask for details of additional charge.	5UB4 714		021	1
 Socket outlets with grounding pin • Size of cover: 75 mm x 66 mm x 54 mm • 2-pole according to CEE7 • Screw-type terminals	5UB4 741		021	1/10

5UB4 714

5UB4 741

DELTA fläche - Surface Mounting

DELTA fläche IP44

Combinations of switch/pushbutton and socket outlet

Selection and ordering data

Version	Order No.	Price	PG	PS*/ P. unit
		1 unit		Unit(s)
General information • Degree of protection IP44 and splash-proof. • Socket outlets: 16 A, 250 V AC; 10 A, 250 V AC • According to DIN 49440 • Switches: 10 A, 250 V AC • The terminals are connecting terminals for Cu and aluminum conductors up to 2.5 mm² • Enclosures made of high-impact molded plastic • Mounting holes: 4.5 mm Ø • Cable entry: slide nipples for cables with 8 ... 13.5 mm Ø • With screwless terminals • SCHUKO socket outlets with hinged lid • For vertical mounting • 151 mm x 66 mm x 54 mm				
 5TA4 816	Combinations of two-way switch and SCHUKO socket outlet	5TA4 816	021	1/5
 5TA4 815	Combinations of two-circuit switch and SCHUKO socket outlet	5TA4 815	021	1/5
 5TD4 811	Combinations of pushbutton and SCHUKO socket outlet	5TD4 811	021	1/5

Selection and ordering data

Version	Order No.	Price 1 unit	PG	PS*/ P. unit Unit(s)
Accessories				
 Connecting elements for coupling of stand-alone devices G4 205	5TG4 205		021	1/10
 Slide nipples, without hole 5TG4 204	5TG4 204		021	1/10
 Channel entry glands for channels 15 mm x 15 mm and 17 mm x 17 mm 5TG4 212	5TG4 212		021	1/10
 Glow lamps for switch and pushbutton inserts - Protected against contact 230 V AC 5TG7 321				
Versions				
- Weak luminosity - power consumption: 0.18 mA - base color: White	5TG7 321		021	1/10
- Average luminosity - power consumption: 0.9 mA - base color: Gray	5TG7 332		021	1/10
- Strong luminosity - power consumption: 1.35 mA - base color: Blue	5TG7 342		021	1/10
 Incandescent lamps for switch and pushbutton inserts 8 V / 35 mA 12 V / 40 mA 24 V / 20 mA 5TG7 313				
	5TG7 313		021	1/10
	5TG2 785		021	1/10
	5TG7 314		021	1/10

DELTA fläche - Surface Mounting

DELTA fläche IP44

Accessories and spare parts

Version		Order No.	Price	PG	PS*/ P. unit
			1 unit		Unit(s)
Spare parts					
Spare windows for light signals and for switch and pushbutton inserts					
	5TG4 206	• Red	5TG4 206	021	1/10
	5TG4 207	• Green	5TG4 208	021	1/10
	5TG4 208	• White	5TG4 207	021	1/10
	5TG4 210	• Yellow	5TG4 210	021	1/10
Spare glow lamps, for light signal 250 V AC		5TG7 301		021	1/10
					
Spare window sets, for switches and pushbuttons 1 set contains 2 x clear, 2 x red and 2 x white		5TG4 200	1 set	021	1 set/ 10 sets
					
					
					
5TG4 200					

DELTA fläche - Surface Mounting

DELTA fläche IP68

Plug-and-socket devices

Selection and ordering data

Version	Order No.	Price 1 unit	PG	PS*/ P. unit Unit(s)
General information - Degree of protection: IP68 (pressure-water-tight) 16 A, 250 V AC; 10 A, 250 V DC - The terminals are connecting terminals for Cu and aluminum conductors up to 2.5 mm² - Enclosures made of PBT, high-impact - Screw-type terminals - Lid and cover with screw plug				
 SCHUKO wall socket outlets, with lid - Enclosure size: 105 mm x 87 mm x 68 mm - Mounting holes: 5.5 mm Ø - Pg22 cable entry on both sides for cables from 8 to 13.5 mm	5UB4 686		021	1
 SCHUKO connectors with cover	5UH1 150		021	1/5
 SCHUKO couplings with lid	5UH1 151		021	1/5

5UB4 686

5UH1 150

5UH1 151

* You can order this quantity or a multiple thereof.

DELTA fläche - Surface Mounting

DELTA fläche IP68

Notes



12/2

Inserts

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Accessories and spare parts

Switching/Pushbutton Control/Dimming

Inserts

Selection and ordering data

Version		Order No.	Price	PG	PS* / P. unit																		
			1 unit		Unit(s)																		
Inserts for switches																							
General information • 10 AX; 250 V AC • Contact material: cadmium and nickel-free • Non-insulated parts covered by molded plastic <table><tr><th>Note</th><th>Section</th><th>Page</th></tr><tr><td>For extension claws, see ...</td><td>Accessories and spare parts</td><td>12/17</td></tr><tr><td>Maximum permissible lamp loads, see ...</td><td>Technical Information / Switches and Pushbuttons / Switches</td><td>20/4</td></tr></table>		Note	Section	Page	For extension claws, see ...	Accessories and spare parts	12/17	Maximum permissible lamp loads, see ...	Technical Information / Switches and Pushbuttons / Switches	20/4													
Note	Section	Page																					
For extension claws, see ...	Accessories and spare parts	12/17																					
Maximum permissible lamp loads, see ...	Technical Information / Switches and Pushbuttons / Switches	20/4																					
Universal switches for ON/OFF and two-way switching <table><tr><th>Tops, see section</th><th>Page (ff.)</th></tr><tr><td>Design / DELTA ambiente / Switches and pushbuttons</td><td>8/8</td></tr><tr><td>Design / DELTA i-system / Switches and pushbuttons</td><td>1/7</td></tr><tr><td>Design / DELTA natur / Switches and pushbuttons</td><td>7/8</td></tr><tr><td>Design / DELTA profil / Switches and pushbuttons</td><td>5/11</td></tr><tr><td>Design / DELTA style / Switches and pushbuttons</td><td>8/8</td></tr></table> <table><tr><th>Note</th><th>Section</th><th>Page</th></tr><tr><td>Technical Specifications, see ...</td><td>Technical Information / Switches and pushbuttons / Universal switches</td><td>20/4</td></tr></table>  5TA2 156 (front view)  5TA2 156 (rear view)		Tops, see section	Page (ff.)	Design / DELTA ambiente / Switches and pushbuttons	8/8	Design / DELTA i-system / Switches and pushbuttons	1/7	Design / DELTA natur / Switches and pushbuttons	7/8	Design / DELTA profil / Switches and pushbuttons	5/11	Design / DELTA style / Switches and pushbuttons	8/8	Note	Section	Page	Technical Specifications, see ...	Technical Information / Switches and pushbuttons / Universal switches	20/4	5TA2 156		021	1/10
Tops, see section	Page (ff.)																						
Design / DELTA ambiente / Switches and pushbuttons	8/8																						
Design / DELTA i-system / Switches and pushbuttons	1/7																						
Design / DELTA natur / Switches and pushbuttons	7/8																						
Design / DELTA profil / Switches and pushbuttons	5/11																						
Design / DELTA style / Switches and pushbuttons	8/8																						
Note	Section	Page																					
Technical Specifications, see ...	Technical Information / Switches and pushbuttons / Universal switches	20/4																					
Universal switches, for school program for ON/OFF and two-way switching <table><tr><th>Tops, see section</th><th>Page (ff.)</th></tr><tr><td>Design / DELTA i-system / School program</td><td>1/40</td></tr></table>  5TA2 131 (front view)  5TA2 131 (rear view)		Tops, see section	Page (ff.)	Design / DELTA i-system / School program	1/40	5TA2 131		021	1/10														
Tops, see section	Page (ff.)																						
Design / DELTA i-system / School program	1/40																						

Version		Order No.	Price	PG	PS*/ P. unit
			1 unit		Unit(s)
 5TA2 117 (front view)  5TA2 117 (rear view)	Intermediate switches		5TA2 117	021	1/10
	Tops, see section	Page (ff.)			
	Design / DELTA ambiente / Switches and pushbuttons	8/8			
	Design / DELTA i-system / Switches and pushbuttons	1/7			
	Design / DELTA natur / Switches and pushbuttons	7/8			
	Design / DELTA profil / Switches and pushbuttons	5/11			
	Design / DELTA style / Switches and pushbuttons	6/8			
	Note	Section			
	Technical Specifications, see ...	Technical Information / Switches and Pushbuttons / Intermediate switches			
		20/5			
 5TA2 132 (front view)  5TA2 132 (rear view)	Intermediate switches for school program		5TA2 132	021	1/10
	Tops, see section	Page (ff.)			
	Design / DELTA i-system / School program	1/40			
 5TA2 151 (front view)  5TA2 151 (rear view)	ON/OFF switches, 1-pole		5TA2 151	021	1/10
	Tops, see section	Product range			
	Design / DELTA ambiente / Switches and pushbuttons	8/8			
	Design / DELTA i-system / Switches and pushbuttons	1/7			
	Design / DELTA natur / Switches and pushbuttons	7/8			
	Design / DELTA profil / Switches and pushbuttons	5/11			
	Design / DELTA style / Switches and pushbuttons	6/8			
	Note	Section			
	Technical Specifications, see ...	Technical Information / Switches and Pushbuttons / ON/OFF switches, 1-pole			
		20/5			

Switching/Pushbutton Control/Dimming

Inserts

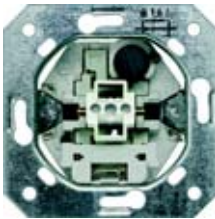
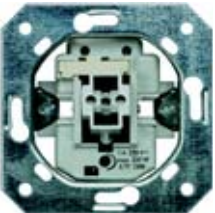
Version		Order No.	Price	PG	PS*/ P. unit			
			1 unit		Unit(s)			
 5TA2 112 (front view)  5TA2 112 (rear view)	ON/OFF switches, 2-pole, 10 AX 250 V AC		5TA2 112	021	1/10			
	Tops, see section					Page (ff.)		
	Design / DELTA ambiente / Switches and pushbuttons					8/8		
	Design / DELTA i-system / Switches and pushbuttons					1/7		
	Design / DELTA profil / Switches and pushbuttons					5/11		
	Design / DELTA style / Switches and pushbuttons					6/8		
	Note					Section	Page	
	Technical Specifications, see ...					Technical Information / Switches and Pushbuttons / ON/OFF switches, 2-pole		20/5
	 5TA2 162 (front view)  5TA2 162 (rear view)	ON/OFF switches, 2-pole, 16 AX 250 V AC				5TA2 162	021	1/10
Tops, see section		Page (ff.)						
Design / DELTA ambiente / Switches and pushbuttons		8/8						
Design / DELTA i-system / Switches and pushbuttons		1/7						
Design / DELTA profil / Switches and pushbuttons		5/11						
Design / DELTA style / Switches and pushbuttons		6/8						
Note		Section	Page					
Technical Specifications, see ...		Technical Information / Switches and Pushbuttons / ON/OFF switches, 2-pole		20/5				
 5TA2 153 (front view)  5TA2 153 (rear view)		ON/OFF switches, 3-pole, 16 A 400 V AC		5TA2 153	021			
	Tops, see section		Page (ff.)					
	Design / DELTA ambiente / Switches and pushbuttons		8/8					
	Design / DELTA i-system / Switches and pushbuttons		1/7					
	Design / DELTA profil / Switches and pushbuttons		5/11					
	Design / DELTA style / Switches and pushbuttons		6/8					

* You can order this quantity or a multiple thereof.

Version		Order No.	Price	PG	PS*/ P. unit
			1 unit		Unit(s)
	Switches with pilot lamp for ON/OFF switching with 5TG7 332 glow lamp (average luminosity)		5TA2 150	021	1/10
	Tops, see section	Page (ff.)			
	Design / DELTA ambiente / Switches and pushbuttons	8/8			
	Design / DELTA i-system / Switches and pushbuttons	1/7			
	Design / DELTA natur / Switches and pushbuttons	7/8			
	Design / DELTA profil / Switches and pushbuttons	5/11			
	Design / DELTA style / Switches and pushbuttons	6/8			
	Note	Section	Page		
	Technical Specifications, see ...	Technical Information / Switches and Pushbuttons / Switches with pilot lamp for ON/OFF switching	20/6		
	Switches with pilot lamp for two-way switching with 5TG7 332 glow lamp (average luminosity)		5TA2 108	021	1/10
	Tops, see section	Page (ff.)			
	Design / DELTA ambiente / Switches and pushbuttons	8/8			
	Design / DELTA i-system / Switches and pushbuttons	1/7			
	Design / DELTA natur / Switches and pushbuttons	7/8			
	Design / DELTA profil / Switches and pushbuttons	5/11			
	Design / DELTA style / Switches and pushbuttons	6/8			
	Note	Section	Page		
	Technical Specifications, see ...	Technical Information / Switches and Pushbuttons / Switches with pilot lamp for two-way switching	20/6		
	Switches with pilot lamp for school program with 5TG7 332 glow lamp (average luminosity)		5TA2 130	021	1/10
	Tops, see section	Page (ff.)			
		Design / DELTA i-system / School program			
		1/40			

Switching/Pushbutton Control/Dimming

Inserts

Version		Order No.	Price	PG	PS*/ P. unit
			1 unit		Unit(s)
 5TT1 210	Delay timers - Adjustable 0.5 ... 15 min - Electronic - With 5TG7 332 orientation light - Incandescent lamp rating to 1200 W, 230 V AC, 40 – 60 Hz - Ventilator 200 VA				
	Versions - For installation in flush-mounting switch boxes - For installation in flush-mounting branching boxes	5TT1 210 5TT1 211		027	1
 5TT1 211	Tops, see section	Page (ff.)			
	<i>Design / DELTA i-system / Switches and pushbuttons</i> <i>Design / DELTA profil / Switches and pushbuttons</i> <i>Design / DELTA style / Switches and pushbuttons</i>	1/7 5/11 6/8			
 5TT1 200	Timers - Adjustable 1 ... 6 min - Electronic with momentary-contact function - With orientation light - Incandescent lamp rating 200 W, 230 V AC, 40 ... 60 Hz - Only suitable for incandescent lamps			027	1
	Tops, see section	Page (ff.)			
 5TA2 118 (front view)	Double two-way switches			021	1/10
	Tops, see section	Page (ff.)			
 5TA2 118 (rear view)	<i>Design / DELTA ambiente / Switches and pushbuttons</i> <i>Design / DELTA i-system / Switches and pushbuttons</i> <i>Design / DELTA natur / Switches and pushbuttons</i> <i>Design / DELTA profil / Switches and pushbuttons</i> <i>Design / DELTA style / Switches and pushbuttons</i>	8/8 1/7 7/8 5/11 6/8			
	Note	Section	Page		
	Technical Specifications, see ...	<i>Technical Information / Switches and Pushbuttons / Switches / Timers</i>	20/7 20/8		

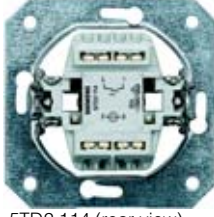
Version		Order No.	Price	PG	PS*/ P. unit			
			1 unit		Unit(s)			
 5TA2 155 (front view)	Two-circuit switches		5TA2 155	021	1/10			
	Tops, see section					Page (ff.)		
	Design / DELTA ambiente / Switches and pushbuttons					8/8		
	Design / DELTA i-system / Switches and pushbuttons					1/7		
	Design / DELTA natur / Switches and pushbuttons					7/8		
	Design / DELTA profil / Switches and pushbuttons					5/11		
	Design / DELTA style / Switches and pushbuttons					6/8		
	Note	Section				Page		
	Technical Specifications, see ...					Technical Information / Switches and Pushbuttons / Two-circuit switches	20/9	
	 5TA2 155 (rear view)							
 5TA2 128 (front view)	Two-circuit switches, for school program		5TA2 128	021	1/10			
	Tops, see section					Page (ff.)		
	Design / DELTA i-system / School program					1/40		

* You can order this quantity or a multiple thereof.

Switching/Pushbutton Control/Dimming

Inserts

Version		Order No.	Price	PG	PS*/ P. unit
			1 unit		Unit(s)
	Pushbuttons, 1 NO contact, for school program		5TD2 125	021	1/10
Tops, see section		Page (ff.)			
Design / DELTA i-system / School program		1/40			
					
5TD2 125 (front view)					
5TD2 125 (rear view)					
	Pushbuttons, 1 NO contact, with separate neutral terminal		5TD2 116	021	1/10
Tops, see section		Page (ff.)			
Design / DELTA ambiente / Switches and pushbuttons		8/8			
Design / DELTA i-system / Switches and pushbuttons		1/7			
Design / DELTA natur / Switches and pushbuttons		7/8			
Design / DELTA profil / Switches and pushbuttons		5/11			
Design / DELTA style / Switches and pushbuttons		6/8			
					
5TD2 116 (front view)					
5TD2 116 (rear view)					
	Pushbuttons, 1 CO contact		5TD2 123	021	1/10
• Can also be used as NC contact • Cannot be illuminated					
Tops, see section		Page (ff.)			
Design / DELTA ambiente / Switches and pushbuttons		8/8			
Design / DELTA i-system / Switches and pushbuttons		1/7			
Design / DELTA natur / Switches and pushbuttons		7/8			
Design / DELTA profil / Switches and pushbuttons		5/11			
	Design / DELTA style / Switches and pushbuttons		6/8		
5TD2 123 (front view)					
5TD2 123 (rear view)					

Version		Order No.	Price	PG	PS*/ P. unit																		
			1 unit		Unit(s)																		
 5TD2 117 (front view)	Pushbuttons, 1 CO contact, with separate neutral terminal with 5TG7 332 glow lamp (average luminosity)		5TD2 117	021	1/10																		
 5TD2 117 (rear view)	<table><tr><th>Tops, see section</th><th>Page (ff.)</th></tr><tr><td>Design / DELTA ambiente / Switches and pushbuttons</td><td>8/8</td></tr><tr><td>Design / DELTA i-system / Switches and pushbuttons</td><td>1/7</td></tr><tr><td>Design / DELTA natur / Switches and pushbuttons</td><td>7/8</td></tr><tr><td>Design / DELTA profil / Switches and pushbuttons</td><td>5/11</td></tr><tr><td>Design / DELTA style / Switches and pushbuttons</td><td>6/8</td></tr><tr><th>Note</th><th>Section</th><th>Page</th></tr><tr><td>Technical Specifications, see ...</td><td>Technical Information / Switches and Pushbuttons / Pushbuttons, 1 CO contact, with separate neutral terminal</td><td>20/9</td></tr></table>					Tops, see section	Page (ff.)	Design / DELTA ambiente / Switches and pushbuttons	8/8	Design / DELTA i-system / Switches and pushbuttons	1/7	Design / DELTA natur / Switches and pushbuttons	7/8	Design / DELTA profil / Switches and pushbuttons	5/11	Design / DELTA style / Switches and pushbuttons	6/8	Note	Section	Page	Technical Specifications, see ...	Technical Information / Switches and Pushbuttons / Pushbuttons, 1 CO contact, with separate neutral terminal	20/9
Tops, see section	Page (ff.)																						
Design / DELTA ambiente / Switches and pushbuttons	8/8																						
Design / DELTA i-system / Switches and pushbuttons	1/7																						
Design / DELTA natur / Switches and pushbuttons	7/8																						
Design / DELTA profil / Switches and pushbuttons	5/11																						
Design / DELTA style / Switches and pushbuttons	6/8																						
Note	Section	Page																					
Technical Specifications, see ...	Technical Information / Switches and Pushbuttons / Pushbuttons, 1 CO contact, with separate neutral terminal	20/9																					
 5TD2 114 (front view)	Pushbuttons, with separate check-back indication without glow lamp																						
 5TD2 114 (rear view)	<table><tr><th>Tops, see section</th><th>Page (ff.)</th></tr><tr><td>Design / DELTA ambiente / Switches and pushbuttons</td><td>8/8</td></tr><tr><td>Design / DELTA i-system / Switches and pushbuttons</td><td>1/7</td></tr><tr><td>Design / DELTA natur / Switches and pushbuttons</td><td>7/8</td></tr><tr><td>Design / DELTA profil / Switches and pushbuttons</td><td>5/11</td></tr><tr><td>Design / DELTA style / Switches and pushbuttons</td><td>6/8</td></tr><tr><th>Note</th><th>Section</th><th>Page</th></tr><tr><td>Technical Specifications, see ...</td><td>Technical Information / Switches and Pushbuttons / Pushbuttons, with separate check-back indication</td><td>20/10</td></tr></table>		Tops, see section	Page (ff.)	Design / DELTA ambiente / Switches and pushbuttons	8/8	Design / DELTA i-system / Switches and pushbuttons	1/7	Design / DELTA natur / Switches and pushbuttons	7/8	Design / DELTA profil / Switches and pushbuttons	5/11	Design / DELTA style / Switches and pushbuttons	6/8	Note	Section	Page	Technical Specifications, see ...	Technical Information / Switches and Pushbuttons / Pushbuttons, with separate check-back indication	20/10			
Tops, see section	Page (ff.)																						
Design / DELTA ambiente / Switches and pushbuttons	8/8																						
Design / DELTA i-system / Switches and pushbuttons	1/7																						
Design / DELTA natur / Switches and pushbuttons	7/8																						
Design / DELTA profil / Switches and pushbuttons	5/11																						
Design / DELTA style / Switches and pushbuttons	6/8																						
Note	Section	Page																					
Technical Specifications, see ...	Technical Information / Switches and Pushbuttons / Pushbuttons, with separate check-back indication	20/10																					
 5TD2 115 (front view)	Pushbuttons, double, 1 NO contact, 1 CO contact																						
 5TD2 115 (rear view)	<table><tr><th>Tops, see section</th><th>Page (ff.)</th></tr><tr><td>Design / DELTA ambiente / Switches and pushbuttons</td><td>8/8</td></tr><tr><td>Design / DELTA i-system / Switches and pushbuttons</td><td>1/7</td></tr><tr><td>Design / DELTA natur / Switches and pushbuttons</td><td>7/8</td></tr><tr><td>Design / DELTA profil / Switches and pushbuttons</td><td>5/11</td></tr><tr><td>Design / DELTA style / Switches and pushbuttons</td><td>6/8</td></tr><tr><th>Note</th><th>Section</th><th>Page</th></tr><tr><td>Technical Specifications, see ...</td><td>Technical Information / Switches and Pushbuttons / Pushbuttons, double, 1 NO contact, 1 CO contact</td><td>20/10</td></tr></table>		Tops, see section	Page (ff.)	Design / DELTA ambiente / Switches and pushbuttons	8/8	Design / DELTA i-system / Switches and pushbuttons	1/7	Design / DELTA natur / Switches and pushbuttons	7/8	Design / DELTA profil / Switches and pushbuttons	5/11	Design / DELTA style / Switches and pushbuttons	6/8	Note	Section	Page	Technical Specifications, see ...	Technical Information / Switches and Pushbuttons / Pushbuttons, double, 1 NO contact, 1 CO contact	20/10			
Tops, see section	Page (ff.)																						
Design / DELTA ambiente / Switches and pushbuttons	8/8																						
Design / DELTA i-system / Switches and pushbuttons	1/7																						
Design / DELTA natur / Switches and pushbuttons	7/8																						
Design / DELTA profil / Switches and pushbuttons	5/11																						
Design / DELTA style / Switches and pushbuttons	6/8																						
Note	Section	Page																					
Technical Specifications, see ...	Technical Information / Switches and Pushbuttons / Pushbuttons, double, 1 NO contact, 1 CO contact	20/10																					

Switching/Pushbutton Control/Dimming

Inserts

Version		Order No.	Price	PG	PS*/ P. unit		
			1 unit		Unit(s)		
	Pushbuttons, double, 2 NO contacts		5TD2 111	021	1/10		
Tops, see section		Page (ff.)					
Design / DELTA ambiente / Switches and pushbuttons		8/8					
Design / DELTA i-system / Switches and pushbuttons		1/7					
Design / DELTA natur / Switches and pushbuttons		7/8					
Design / DELTA profil / Switches and pushbuttons		5/11					
Design / DELTA style / Switches and pushbuttons		6/8					
Note		Section					
Technical Specifications, see ...		Technical Information / Switches and Pushbuttons / Pushbuttons, double, 2 NO contacts					
		20/10					
							
5TD2 111 (front view)							
5TD2 111 (rear view)							
Inserts for dimmers							
General information							
The devices comply with EN 55014, Class B							
	Incandescent lamp dimmers, 50 ... 400 W		5TC8 256	024	1		
• Leading-edge phase technology • 230 V AC, 50 / 60 Hz • With rotary ON/OFF switch and rotary operation • For claw and screw fixing • Screw-type terminals with anti-slip terminal body for solid and finely stranded conductors • For 230 V AC incandescent and halogen lamps 50 ... 400 W • Miniature fuse T 1.6 H 250 V with spare fuse in fuse holder • Order no. for spare fuse: 5TG8 302 • VDE and KEMA-approved							
Symbol		Tops, see section				Page (ff.)	
		Design / DELTA ambiente / Lighting controls				8/15	
		Design / DELTA i-system / Lighting controls				1/26	
		Design / DELTA natur / Lighting controls				7/12	
		Design / DELTA profil / Lighting controls				5/27	
		Design / DELTA style / Lighting controls				6/20	
Note		Section				Page	
Technical Specifications, see ...		Technical Information / Dimmers / Incandescent lamp dimmers, 50 ... 400 W				20/18	

Version	Order No.	Price	PG	PS*/ P. unit																																
		1 unit		Unit(s)																																
 5TC8 257 Incandescent lamp dimmers, 50 ... 600 W, for two-way switching • Leading-edge phase technology • 230 V AC, 50 / 60 Hz • With pushbutton ON/OFF/two-way switch and rotary operation • For claw and screw fixing • Screw-type terminals with anti-slip terminal body for solid and finely stranded conductors • For 230 V AC incandescent and halogen lamps 50 ... 600 W • Miniature fuse T 2.5 H 250 V with spare fuse in fuse holder • Order no. for spare fuse: 5TG8 305 • With temperature cutout, not resettable • Trimming potentiometer for basic brightness • Rotary potentiometer with soft notching • VDE and KEMA-approved <table><tr><th>Symbol</th><th>Tops, see section</th><th>Page (ff.)</th></tr><tr><td rowspan="5"></td><td>Design / DELTA ambiente / Lighting controls</td><td>8/15</td></tr><tr><td>Design / DELTA i-system / Lighting controls</td><td>1/26</td></tr><tr><td>Design / DELTA natur / Lighting controls</td><td>7/12</td></tr><tr><td>Design / DELTA profil / Lighting controls</td><td>5/27</td></tr><tr><td>Design / DELTA style / Lighting controls</td><td>6/20</td></tr><tr><td>Note</td><td>Section</td><td>Page</td></tr><tr><td>Technical Specifications, see ...</td><td>Technical Information / Dimmers / Incandescent lamp dimmers, 50 ... 600 W, for two-way switching</td><td>20/19</td></tr></table>	Symbol	Tops, see section	Page (ff.)		Design / DELTA ambiente / Lighting controls	8/15	Design / DELTA i-system / Lighting controls	1/26	Design / DELTA natur / Lighting controls	7/12	Design / DELTA profil / Lighting controls	5/27	Design / DELTA style / Lighting controls	6/20	Note	Section	Page	Technical Specifications, see ...	Technical Information / Dimmers / Incandescent lamp dimmers, 50 ... 600 W, for two-way switching	20/19	5TC8 257		024	1												
Symbol	Tops, see section	Page (ff.)																																		
	Design / DELTA ambiente / Lighting controls	8/15																																		
	Design / DELTA i-system / Lighting controls	1/26																																		
	Design / DELTA natur / Lighting controls	7/12																																		
	Design / DELTA profil / Lighting controls	5/27																																		
	Design / DELTA style / Lighting controls	6/20																																		
Note	Section	Page																																		
Technical Specifications, see ...	Technical Information / Dimmers / Incandescent lamp dimmers, 50 ... 600 W, for two-way switching	20/19																																		
 5TC8 283 Low-voltage dimmers for magnetic transformers, 50 ... 600 W, 25 ... 500 VA, for two-way switching • Leading-edge phase technology 230 V AC, 50/60 Hz • With pushbutton ON/OFF/two-way switch and rotary operation • For claw and screw fixing • Screw-type terminals with anti-slip terminal body for solid and finely stranded conductors • Miniature fuse T 4 H 250 V with spare fuse in fuse holder • Order no. for spare fuse: 5TG8 330 • With temperature cutout, not resettable • Trimming potentiometer for basic brightness • Rotary potentiometer with soft notching • VDE and KEMA-approved <table><tr><th colspan="3">Rated load</th></tr><tr><td>Incandescent lamps</td><td>50 ... 600 W</td><td></td></tr><tr><td>High-voltage halogen lamps</td><td>50 ... 600 W</td><td></td></tr><tr><td>LV halogen lamps with magnetic transformer</td><td>25 ... 500 VA</td><td></td></tr><tr><th>Symbol</th><th>Tops, see section</th><th>Page (ff.)</th></tr><tr><td rowspan="5"></td><td>Design / DELTA ambiente / Lighting controls</td><td>8/15</td></tr><tr><td>Design / DELTA i-system / Lighting controls</td><td>1/26</td></tr><tr><td>Design / DELTA natur / Lighting controls</td><td>7/12</td></tr><tr><td>Design / DELTA profil / Lighting controls</td><td>5/27</td></tr><tr><td>Design / DELTA style / Lighting controls</td><td>6/20</td></tr><tr><td>Note</td><td>Section</td><td>Page</td></tr><tr><td>Technical Specifications, see ...</td><td>Technical Information / Dimmers / Low-voltage dimmers, for magnetic transformers, 50 ... 600 W, 25 ... 500 VA, for two-way switching</td><td>20/20</td></tr></table>	Rated load			Incandescent lamps	50 ... 600 W		High-voltage halogen lamps	50 ... 600 W		LV halogen lamps with magnetic transformer	25 ... 500 VA		Symbol	Tops, see section	Page (ff.)		Design / DELTA ambiente / Lighting controls	8/15	Design / DELTA i-system / Lighting controls	1/26	Design / DELTA natur / Lighting controls	7/12	Design / DELTA profil / Lighting controls	5/27	Design / DELTA style / Lighting controls	6/20	Note	Section	Page	Technical Specifications, see ...	Technical Information / Dimmers / Low-voltage dimmers, for magnetic transformers, 50 ... 600 W, 25 ... 500 VA, for two-way switching	20/20	5TC8 283		024	1
Rated load																																				
Incandescent lamps	50 ... 600 W																																			
High-voltage halogen lamps	50 ... 600 W																																			
LV halogen lamps with magnetic transformer	25 ... 500 VA																																			
Symbol	Tops, see section	Page (ff.)																																		
	Design / DELTA ambiente / Lighting controls	8/15																																		
	Design / DELTA i-system / Lighting controls	1/26																																		
	Design / DELTA natur / Lighting controls	7/12																																		
	Design / DELTA profil / Lighting controls	5/27																																		
	Design / DELTA style / Lighting controls	6/20																																		
Note	Section	Page																																		
Technical Specifications, see ...	Technical Information / Dimmers / Low-voltage dimmers, for magnetic transformers, 50 ... 600 W, 25 ... 500 VA, for two-way switching	20/20																																		

Switching/Pushbutton Control/Dimming

Inserts

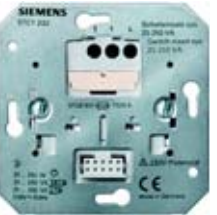
Version		Order No.	Price	PG	PS*/ P. unit																											
			1 unit		Unit(s)																											
	Low-voltage dimmers for electronic transformers, 20 ... 600 W, 20 ... 525 VA, for two-way switching • Trailing-edge phase technology 230 V AC, 50 Hz • With pushbutton ON/OFF/two-way switch and rotary operation • For claw and screw fixing • Screw-type terminals with anti-slip terminal body for solid and finely stranded conductors • With electronic fuse, short-circuit resistant • With temperature cutout, self-resetting • Trimming potentiometer for load matching • Rotary potentiometer with soft notching • VDE approved <table><tr><th colspan="2">Rated load</th></tr><tr><td>Incandescent lamps</td><td>20 ... 600 W</td></tr><tr><td>High-voltage halogen lamps</td><td>20 ... 600 W</td></tr><tr><td>LV halogen lamps with electronic transformer</td><td>20 ... 525 VA</td></tr><tr><th>Symbol</th><th>Tops, see section</th><th>Page (ff.)</th></tr><tr><td rowspan="5"></td><td>Design / DELTA ambiente / Lighting controls</td><td>8/15</td></tr><tr><td>Design / DELTA i-system / Lighting controls</td><td>1/26</td></tr><tr><td>Design / DELTA natur / Lighting controls</td><td>7/12</td></tr><tr><td>Design / DELTA profil / Lighting controls</td><td>5/27</td></tr><tr><td>Design / DELTA style / Lighting controls</td><td>6/20</td></tr><tr><th>Note</th><th>Section</th><th>Page</th></tr><tr><td>Technical Specifications, see ...</td><td>Technical Information / Dimmers / Low-voltage dimmers, for electronic transformers, 20 to 600 W, 20 to 525 VA, for two-way switching</td><td>20/21</td></tr></table>	Rated load		Incandescent lamps	20 ... 600 W	High-voltage halogen lamps	20 ... 600 W	LV halogen lamps with electronic transformer	20 ... 525 VA	Symbol	Tops, see section	Page (ff.)		Design / DELTA ambiente / Lighting controls	8/15	Design / DELTA i-system / Lighting controls	1/26	Design / DELTA natur / Lighting controls	7/12	Design / DELTA profil / Lighting controls	5/27	Design / DELTA style / Lighting controls	6/20	Note	Section	Page	Technical Specifications, see ...	Technical Information / Dimmers / Low-voltage dimmers, for electronic transformers, 20 to 600 W, 20 to 525 VA, for two-way switching	20/21	5TC8 284	024	1
Rated load																																
Incandescent lamps	20 ... 600 W																															
High-voltage halogen lamps	20 ... 600 W																															
LV halogen lamps with electronic transformer	20 ... 525 VA																															
Symbol	Tops, see section	Page (ff.)																														
	Design / DELTA ambiente / Lighting controls	8/15																														
	Design / DELTA i-system / Lighting controls	1/26																														
	Design / DELTA natur / Lighting controls	7/12																														
	Design / DELTA profil / Lighting controls	5/27																														
	Design / DELTA style / Lighting controls	6/20																														
Note	Section	Page																														
Technical Specifications, see ...	Technical Information / Dimmers / Low-voltage dimmers, for electronic transformers, 20 to 600 W, 20 to 525 VA, for two-way switching	20/21																														
	Low-voltage dimmers for electronic transformers, 60 ... 800 W, 60 ... 800 VA, for two-way switching • Trailing-edge phase technology 230 V AC, 50 Hz • With pushbutton ON/OFF/two-way switch and rotary operation • For claw and screw fixing • Screw-type terminals with anti-slip terminal body for solid and finely stranded conductors • With electronic fuse, short-circuit resistant • With temperature cutout, self-resetting • Trimming potentiometer for load matching • Rotary potentiometer with soft notching • VDE approved <table><tr><th colspan="2">Rated load</th></tr><tr><td>Incandescent lamps</td><td>60 ... 800 W</td></tr><tr><td>High-voltage halogen lamps</td><td>60 ... 800 W</td></tr><tr><td>LV halogen lamps with electronic transformer</td><td>60 ... 800 VA</td></tr><tr><th>Symbol</th><th>Tops, see section</th><th>Page (ff.)</th></tr><tr><td rowspan="5"></td><td>Design / DELTA ambiente / Lighting controls</td><td>8/15</td></tr><tr><td>Design / DELTA i-system / Lighting controls</td><td>1/26</td></tr><tr><td>Design / DELTA natur / Lighting controls</td><td>7/12</td></tr><tr><td>Design / DELTA profil / Lighting controls</td><td>5/27</td></tr><tr><td>Design / DELTA style / Lighting controls</td><td>6/20</td></tr><tr><th>Note</th><th>Section</th><th>Page</th></tr><tr><td>Technical Specifications, see ...</td><td>Technical Information / Dimmers / Dimmers, for electronic transformers, 60 ... 800 W, 60 ... 800 VA, for two-way switching</td><td>20/22</td></tr></table>	Rated load		Incandescent lamps	60 ... 800 W	High-voltage halogen lamps	60 ... 800 W	LV halogen lamps with electronic transformer	60 ... 800 VA	Symbol	Tops, see section	Page (ff.)		Design / DELTA ambiente / Lighting controls	8/15	Design / DELTA i-system / Lighting controls	1/26	Design / DELTA natur / Lighting controls	7/12	Design / DELTA profil / Lighting controls	5/27	Design / DELTA style / Lighting controls	6/20	Note	Section	Page	Technical Specifications, see ...	Technical Information / Dimmers / Dimmers, for electronic transformers, 60 ... 800 W, 60 ... 800 VA, for two-way switching	20/22	5TC8 258	024	1
Rated load																																
Incandescent lamps	60 ... 800 W																															
High-voltage halogen lamps	60 ... 800 W																															
LV halogen lamps with electronic transformer	60 ... 800 VA																															
Symbol	Tops, see section	Page (ff.)																														
	Design / DELTA ambiente / Lighting controls	8/15																														
	Design / DELTA i-system / Lighting controls	1/26																														
	Design / DELTA natur / Lighting controls	7/12																														
	Design / DELTA profil / Lighting controls	5/27																														
	Design / DELTA style / Lighting controls	6/20																														
Note	Section	Page																														
Technical Specifications, see ...	Technical Information / Dimmers / Dimmers, for electronic transformers, 60 ... 800 W, 60 ... 800 VA, for two-way switching	20/22																														

Version		Order No.	Price	PG	PS*/ P. unit
			1 unit		Unit(s)
 5TC8 240	Sensor dimmers without memory function • Leading-edge phase technology • 230 V AC, 50 / 60 Hz • For claw and screw fixing • Screw-type terminals • For 230 V AC incandescent and halogen lamps 20 ... 400 W • For low-voltage halogen lamps with magnetic transformers 20 ... 300 VA • Miniature fuse T 1.6 H 250 V with spare fuse in fuse holder • Order no. for spare fuse: 5TG8 302 • Connection of 5TD2 ... pushbuttons enables switching and dimming of several secondary branches	5TC8 240		024	1
	Mode of operation				
	Short touch of the control panel of the dimmer or pushbutton	Switch On/Off			
	Long touch of the control panel of the dimmer or pushbutton	Continuous dimmer control			
	Repeated, long touch of the control panel	Does not directly reverse direction of the dimmer			
	Symbol	Tops, see section	Page (ff.)		
		Design / DELTA ambiente / Lighting controls	8/15		
		Design / DELTA i-system / Lighting controls	1/26		
		Design / DELTA profil / Lighting controls	5/27		
		Design / DELTA style / Lighting controls	6/20		
 5TC8 232	Sensor dimmers with memory function • Leading-edge phase technology • 230 V AC, 50 / 60 Hz • For claw and screw fixing • Screw terminals • For 230 V AC incandescent and halogen lamps 20 ... 400 W • For low-voltage halogen lamps with magnetic transformers 20 ... 300 VA • Miniature fuse T 1.6 H 250 V with spare fuse in fuse holder • Order no. for spare fuse: 5TG8 302 • Connection of 5TD2 ... pushbuttons enables switching and dimming of several secondary branches	5TC8 232		024	1
	Mode of operation				
	Short touch of the control panel of the dimmer or pushbutton	Switch On/Off			
	Long touch of the control panel of the dimmer or pushbutton	Continuous dimmer control			
	Repeated, long touch of the control panel	Does not directly reverse direction of the dimmer			
	When switched on (by briefly touching the control panel), the same dimming value is set as when switching off	Memory function			
	Symbol	Tops, see section	Page (ff.)		
		Design / DELTA ambiente / Lighting controls	8/15		
		Design / DELTA i-system / Lighting controls	1/26		
		Design / DELTA profil / Lighting controls	5/27		
		Design / DELTA style / Lighting controls	6/20		

Switching/Pushbutton Control/Dimming

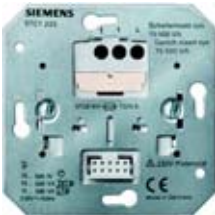
Inserts

Version	Order No.	Price	PG	PS*/ P. unit																														
		1 unit		Unit(s)																														
 5TC1 230	Universal dimmer sys inserts • Flush-mounting insert for switching and dimming different electronic loads • For claw and screw fixing • Screw-type terminals • 2-wire connection method • Automatic load detection • Lamp-kind soft-start • Storing and switching on at one brightness value • Memory value retained even after power failure • Electronic short-circuit protection and overtemperature protection • On elimination of the short-circuit/cooling, automatic return to normal mode • Extension unit operation by conventional pushbuttons • Number of extension units: unlimited • Rated voltage: 230 V AC, 50 Hz • Only mixed loads between incandescent lamp ratings and electric transformers are permissible <table><tr><th colspan="2">Connected load</th></tr><tr><td>Incandescent lamp rating</td><td>50 ... 420 W</td></tr><tr><td>Magnetic transformers</td><td>50 ... 420 VA</td></tr><tr><td>Electronic transformers</td><td>70 ... 420 VA</td></tr></table><table><tr><th>Symbol</th><th>Tops, see section</th><th>Page (ff.)</th></tr><tr><td></td><td><i>Design / DELTA i-system / Lighting controls</i></td><td>1/26</td></tr><tr><td></td><td><i>Design / DELTA profil / Lighting controls</i></td><td>5/27</td></tr><tr><td></td><td><i>Design / DELTA style / Lighting controls</i></td><td>6/20</td></tr></table><table><tr><th>Note</th><th>Section</th><th>Page</th></tr><tr><td>For a description of the "sys" and "wave" systems, see ...</td><td><i>Functions / Remote Control Systems</i></td><td>17/2</td></tr><tr><td>Technical Specifications, see ...</td><td><i>Technical Information / Dimmers / Universal dimmer sys inserts</i></td><td>20/16</td></tr></table>	Connected load		Incandescent lamp rating	50 ... 420 W	Magnetic transformers	50 ... 420 VA	Electronic transformers	70 ... 420 VA	Symbol	Tops, see section	Page (ff.)		<i>Design / DELTA i-system / Lighting controls</i>	1/26		<i>Design / DELTA profil / Lighting controls</i>	5/27		<i>Design / DELTA style / Lighting controls</i>	6/20	Note	Section	Page	For a description of the "sys" and "wave" systems, see ...	<i>Functions / Remote Control Systems</i>	17/2	Technical Specifications, see ...	<i>Technical Information / Dimmers / Universal dimmer sys inserts</i>	20/16	5TC1 230	024	1	
Connected load																																		
Incandescent lamp rating	50 ... 420 W																																	
Magnetic transformers	50 ... 420 VA																																	
Electronic transformers	70 ... 420 VA																																	
Symbol	Tops, see section	Page (ff.)																																
	<i>Design / DELTA i-system / Lighting controls</i>	1/26																																
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	<i>Design / DELTA style / Lighting controls</i>	6/20																																
Note	Section	Page																																
For a description of the "sys" and "wave" systems, see ...	<i>Functions / Remote Control Systems</i>	17/2																																
Technical Specifications, see ...	<i>Technical Information / Dimmers / Universal dimmer sys inserts</i>	20/16																																
 5TC8 424	Electronic potentiometers, switch • Control device for the brightness of fluorescent lamps • Connection to electronic primary switching devices (ECG) with control input 1 ... 10 V DC • With pushbutton ON/OFF switch and rotary operation • For claw and screw fixing • Screw-type terminals with anti-slip terminal body for solid and finely stranded conductors • Control voltage 1 ... 10 V DC • Max. control current: 50 mA • Load connection: 230 V AC / 4 A • Trimming potentiometer for setting basic brightness • Rotary potentiometer with soft notching • VDE and KEMA-approved <table><tr><th colspan="2">Switching capacity</th></tr><tr><td>OSRAM Quicktronik, dimmable 1 x 58 W LL</td><td>max. 6 units</td></tr><tr><td>OSRAM Quicktronik, dimmable 1 x 36 W LL</td><td>max. 9 units</td></tr></table><table><tr><th>Symbol</th><th>Tops, see section</th><th>Page (ff.)</th></tr><tr><td></td><td><i>Design / DELTA ambiente / Lighting controls</i></td><td>8/15</td></tr><tr><td></td><td><i>Design / DELTA i-system / Lighting controls</i></td><td>1/26</td></tr><tr><td></td><td><i>Design / DELTA natur / Lighting controls</i></td><td>7/12</td></tr><tr><td></td><td><i>Design / DELTA profil / Lighting controls</i></td><td>5/27</td></tr><tr><td></td><td><i>Design / DELTA style / Lighting controls</i></td><td>6/20</td></tr></table><table><tr><th>Note</th><th>Section</th><th>Page</th></tr><tr><td>Technical Specifications, see ...</td><td><i>Technical Information / Dimmers / Electronic potentiometers, switches</i></td><td>20/24</td></tr></table>	Switching capacity		OSRAM Quicktronik, dimmable 1 x 58 W LL	max. 6 units	OSRAM Quicktronik, dimmable 1 x 36 W LL	max. 9 units	Symbol	Tops, see section	Page (ff.)		<i>Design / DELTA ambiente / Lighting controls</i>	8/15		<i>Design / DELTA i-system / Lighting controls</i>	1/26		<i>Design / DELTA natur / Lighting controls</i>	7/12		<i>Design / DELTA profil / Lighting controls</i>	5/27		<i>Design / DELTA style / Lighting controls</i>	6/20	Note	Section	Page	Technical Specifications, see ...	<i>Technical Information / Dimmers / Electronic potentiometers, switches</i>	20/24	5TC8 424	024	1
Switching capacity																																		
OSRAM Quicktronik, dimmable 1 x 58 W LL	max. 6 units																																	
OSRAM Quicktronik, dimmable 1 x 36 W LL	max. 9 units																																	
Symbol	Tops, see section	Page (ff.)																																
	<i>Design / DELTA ambiente / Lighting controls</i>	8/15																																
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	<i>Design / DELTA style / Lighting controls</i>	6/20																																
Note	Section	Page																																
Technical Specifications, see ...	<i>Technical Information / Dimmers / Electronic potentiometers, switches</i>	20/24																																

Version	Order No.	Price	PG	PS*/ P. unit																											
		1 unit		Unit(s)																											
 5TC8 425	Electronic potentiometers, pushbutton • Control device for the brightness of fluorescent lamps • Connection to electronic primary switching devices (ECG) with control input 1 ... 10 V DC • With pushbutton switch and rotary operation • For claw and screw fixing • Screw-type terminals with anti-slip terminal body for solid and finely stranded conductors • Control voltage 1 ... 10 V DC • Max. control current: 50 mA • Load contact: 230 V AC / 2 A • Trimming potentiometer for setting basic brightness • Rotary potentiometer with soft notching • VDE approved Switching capacity Depending on the remote control switch or installation contactor selected <table><tr><th>Symbol</th><th>Tops, see section</th><th>Page (ff.)</th></tr><tr><td rowspan="5"></td><td><i>Design / DELTA ambiente / Lighting controls</i></td><td>8/15</td></tr><tr><td><i>Design / DELTA i-system / Lighting controls</i></td><td>1/26</td></tr><tr><td><i>Design / DELTA natur / Lighting controls</i></td><td>7/12</td></tr><tr><td><i>Design / DELTA profil / Lighting controls</i></td><td>5/27</td></tr><tr><td><i>Design / DELTA style / Lighting controls</i></td><td>6/20</td></tr></table> <table><tr><th>Note</th><th>Section</th><th>Page</th></tr><tr><td>Technical Specifications, see ...</td><td><i>Technical Information / Dimmers / Electronic potentiometers, Pushbuttons</i></td><td>20/26</td></tr></table>	Symbol	Tops, see section	Page (ff.)		<i>Design / DELTA ambiente / Lighting controls</i>	8/15	<i>Design / DELTA i-system / Lighting controls</i>	1/26	<i>Design / DELTA natur / Lighting controls</i>	7/12	<i>Design / DELTA profil / Lighting controls</i>	5/27	<i>Design / DELTA style / Lighting controls</i>	6/20	Note	Section	Page	Technical Specifications, see ...	<i>Technical Information / Dimmers / Electronic potentiometers, Pushbuttons</i>	20/26	5TC8 425		024	1						
Symbol	Tops, see section	Page (ff.)																													
	<i>Design / DELTA ambiente / Lighting controls</i>	8/15																													
	<i>Design / DELTA i-system / Lighting controls</i>	1/26																													
	<i>Design / DELTA natur / Lighting controls</i>	7/12																													
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Note	Section	Page																													
Technical Specifications, see ...	<i>Technical Information / Dimmers / Electronic potentiometers, Pushbuttons</i>	20/26																													
 5TC1 232	sys switching inserts, 25 ... 250 VA • The sys switching insert is a flush-mounting device for switching different electrical consumers, such as – incandescent lamps – HV halogen lamps – LV halogen lamp with magnetic transformer – LV halogen lamps with electronic transformer • It is operated using a UP 210 wave pushbutton (radio waves) <table><tr><th>Tops, see section</th><th>Page (ff.)</th></tr><tr><td><i>Design / DELTA i-system / Lighting controls</i></td><td>1/26</td></tr><tr><td><i>Design / DELTA profil / Lighting controls</i></td><td>5/27</td></tr><tr><td><i>Design / DELTA style / Lighting controls</i></td><td>6/20</td></tr></table> Product features 2-wire connection method Spare fuse at the fuse holder Overload protection (thermal release) Extension unit operation by conventional pushbuttons without glow lamps Technical specifications <table><tr><td>Short-circuit protection by miniature fuse</td><td>T 3.15 A H 250 V</td></tr><tr><td>Number of extension units</td><td>unlimited</td></tr><tr><td>Extension unit cable (total)</td><td>max. 100 m</td></tr><tr><td>Rated voltage</td><td>230 V AC / 50 Hz</td></tr><tr><td>Connected load</td><td></td></tr><tr><td>• Incandescent lamp rating</td><td>25 ... 250 W</td></tr><tr><td>• Conventional transformers</td><td>25 ... 250 VA</td></tr><tr><td>• Electronic transformers</td><td>25 ... 250 VA</td></tr><tr><td>Certification</td><td>VDE certificate</td></tr></table>	Tops, see section	Page (ff.)	<i>Design / DELTA i-system / Lighting controls</i>	1/26	<i>Design / DELTA profil / Lighting controls</i>	5/27	<i>Design / DELTA style / Lighting controls</i>	6/20	Short-circuit protection by miniature fuse	T 3.15 A H 250 V	Number of extension units	unlimited	Extension unit cable (total)	max. 100 m	Rated voltage	230 V AC / 50 Hz	Connected load		• Incandescent lamp rating	25 ... 250 W	• Conventional transformers	25 ... 250 VA	• Electronic transformers	25 ... 250 VA	Certification	VDE certificate	5TC1 232		024	1
Tops, see section	Page (ff.)																														
<i>Design / DELTA i-system / Lighting controls</i>	1/26																														
<i>Design / DELTA profil / Lighting controls</i>	5/27																														
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Switching/Pushbutton Control/Dimming

Inserts

Version	Order No.	Price	PG	PS*/ P. unit																																								
		1 unit		Unit(s)																																								
 5TC1 233	sys switching inserts, 15 ... 500 VA - The sys switching insert is a flush-mounting device for switching different electrical consumers, such as - incandescent lamps - HV halogen lamps - LV halogen lamp with magnetic transformer - LV halogen lamps with electronic transformer - It is operated using a UP 210 wave pushbutton (radio waves) <table><tr><th>Tops, see section</th><th>Page (ff.)</th></tr><tr><td>Design / DELTA i-system / Lighting controls</td><td>1/26</td></tr><tr><td>Design / DELTA profil / Lighting controls</td><td>5/27</td></tr><tr><td>Design / DELTA style / Lighting controls</td><td>6/20</td></tr><tr><th colspan="2">Product features</th></tr><tr><td colspan="2">2-wire connection method</td></tr><tr><td colspan="2">Spare fuse at the fuse holder</td></tr><tr><td colspan="2">Overload protection (thermal release)</td></tr><tr><td colspan="2">Extension unit operation by conventional pushbuttons without glow lamps</td></tr><tr><th colspan="2">Technical specifications</th></tr><tr><td>Short-circuit protection by miniature fuse</td><td>T3.15 A H 250 V</td></tr><tr><td>Number of extension units</td><td>unlimited</td></tr><tr><td>Extension unit cable (total)</td><td>max. 100 m</td></tr><tr><td>Rated voltage</td><td>230 V AC / 50 Hz</td></tr><tr><td>Connected load</td><td></td></tr><tr><td>• Incandescent lamp rating</td><td>15 ... 500 W</td></tr><tr><td>• Conventional transformers (except toroidal-core transformers)</td><td>15 ... 500 VA</td></tr><tr><td>• Toroidal-core transformers</td><td>15 ... 250 VA</td></tr><tr><td>• Electronic transformers</td><td>15 ... 500 VA</td></tr><tr><td>Certification</td><td>VDE certificate</td></tr></table> 5TC1 233	Tops, see section	Page (ff.)	Design / DELTA i-system / Lighting controls	1/26	Design / DELTA profil / Lighting controls	5/27	Design / DELTA style / Lighting controls	6/20	Product features		2-wire connection method		Spare fuse at the fuse holder		Overload protection (thermal release)		Extension unit operation by conventional pushbuttons without glow lamps		Technical specifications		Short-circuit protection by miniature fuse	T3.15 A H 250 V	Number of extension units	unlimited	Extension unit cable (total)	max. 100 m	Rated voltage	230 V AC / 50 Hz	Connected load		• Incandescent lamp rating	15 ... 500 W	• Conventional transformers (except toroidal-core transformers)	15 ... 500 VA	• Toroidal-core transformers	15 ... 250 VA	• Electronic transformers	15 ... 500 VA	Certification	VDE certificate		024	1
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• Toroidal-core transformers	15 ... 250 VA																																											
• Electronic transformers	15 ... 500 VA																																											
Certification	VDE certificate																																											
 5TC8 604	Speed regulating rheostats, 0.1 ... 2.6 A - For speed control of fans and/or other devices with single-phase induction motor 230 V AC, 50 / 60 Hz - With rotary ON/OFF switch and rotary operation - For claw and screw fixing - Screw-type terminals with anti-slip terminal body for solid and finely stranded conductors - Miniature fuse T 4 H 250 V with spare fuse in fuse holder - Order no. for spare fuse: 5TG8 330 - With temperature cutout, not resettable - Trimming potentiometer for minimum speed - VDE and KEMA-approved <table><tr><th>Symbol</th><th>Tops, see section</th><th>Page (ff.)</th></tr><tr><td></td><td>Design / DELTA i-system / Lighting controls</td><td>1/26</td></tr><tr><td></td><td>Design / DELTA profil / Lighting controls</td><td>5/27</td></tr><tr><td></td><td>Design / DELTA style / Lighting controls</td><td>6/20</td></tr><tr><th>Note</th><th>Section</th><th>Page</th></tr><tr><td>Technical Specifications, see ...</td><td>Technical Information / Dimmers / Speed regulating rheostats, 0.1 ... 2.6 A</td><td>20/28</td></tr></table> 5TC8 604	Symbol	Tops, see section	Page (ff.)		Design / DELTA i-system / Lighting controls	1/26		Design / DELTA profil / Lighting controls	5/27		Design / DELTA style / Lighting controls	6/20	Note	Section	Page	Technical Specifications, see ...	Technical Information / Dimmers / Speed regulating rheostats, 0.1 ... 2.6 A	20/28		024	1																						
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	Design / DELTA profil / Lighting controls	5/27																																										
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Note	Section	Page																																										
Technical Specifications, see ...	Technical Information / Dimmers / Speed regulating rheostats, 0.1 ... 2.6 A	20/28																																										

Selection and ordering data

Version			Order No.	Price	PG	PS*/ P. unit
				1 unit		Unit(s)
Accessories						
 5TG7 321	Glow lamps for switch and pushbutton inserts					
	- Protected against contact 230 V AC					
	Luminosity	Power consumption	Base color			
	Weak	0.18 mA	White	5TG7 321	3.49	021 1/10
	Average	0.9 mA	Gray	5TG7 332	3.49	021 1/10
 5TG7 313	Incandescent lamps for switch and pushbutton inserts					
	Voltage	Power consumption	Base color			
	8 V	35 mA	White	5TG7 313	3.49	021 1/10
	12 V	40 mA	White	5TG2 785	4.90	021 1/10
	24 V	20 mA	White	5TG7 314	4.12	021 1/10
 5TG2 498	Extension claws for DELTA inserts with rubber for self-retracting claws					
	1 set contains ten extension claws 2 extension claws are needed per insert			5TG2 498	1 set	021 1 set
 5TG2 497	Extension claws for DELTA inserts/DELTA bus coupling units with self-retracting claws					
	1 set contains ten extension claws 2 extension claws are needed per insert			5TG2 497	1 set	021 1 set

Switching/Pushbutton Control/Dimming

Notes



13

Motion Detectors

13

13/2

Inserts

Motion Detectors

Inserts

Selection and ordering data

Version	Order No.	Price	PG	PS*/ P. unit																																										
		1 unit		Unit(s)																																										
General information • For claw and screw fixing • Screw terminals																																														
 5TC1 500	Motion detector relay inserts Flush-mounting insert for motion detector tops for switching extensive light sources and electrical loads of up to maximally 10 A / 230 V. <table><tr><th>Tops, see section</th><th>Page</th></tr><tr><td><i>Design / DELTA i-system / Motion detectors</i></td><td>1/29</td></tr><tr><td><i>Design / DELTA profil / Motion detectors</i></td><td>5/30</td></tr><tr><td><i>Design / DELTA style / Motion detectors</i></td><td>6/22</td></tr><tr><th colspan="2">Technical specifications</th></tr><tr><td>Rated voltage</td><td>230 V AC, 50/60 Hz</td></tr><tr><td>Connected loads</td><td></td></tr><tr><td>• Incandescent lamp rating</td><td>2300 W</td></tr><tr><td>• HV halogen lamps</td><td>2300 W</td></tr><tr><td>• Conventional transformers</td><td>1000 VA</td></tr><tr><td>• Electronic transformers</td><td>1500 W</td></tr><tr><td>• Uncorrected fluorescent fixtures</td><td>1200 VA</td></tr><tr><td>• Fluorescent lamps parallel p.f. corrected</td><td>920 VA</td></tr><tr><td>• Fluorescent lamps in DUO circuit</td><td>2300 VA</td></tr><tr><td>Extension units</td><td></td></tr><tr><td>• Number of motion detector extension unit inserts</td><td>10</td></tr><tr><td>• Number of mechanical pushbuttons</td><td>unlimited</td></tr><tr><td>• Maximum cable length (total)</td><td>100 m</td></tr><tr><th>Note</th><th>Section</th><th>Page</th></tr><tr><td>Switching commands are issued by the release of the plug-on motion detector top or by an extension unit. For further details of tops, see ...</td><td><i>Technical Information / Motion Detectors / Motion detector relay inserts</i></td><td>20/40</td></tr></table>	Tops, see section	Page	<i>Design / DELTA i-system / Motion detectors</i>	1/29	<i>Design / DELTA profil / Motion detectors</i>	5/30	<i>Design / DELTA style / Motion detectors</i>	6/22	Technical specifications		Rated voltage	230 V AC, 50/60 Hz	Connected loads		• Incandescent lamp rating	2300 W	• HV halogen lamps	2300 W	• Conventional transformers	1000 VA	• Electronic transformers	1500 W	• Uncorrected fluorescent fixtures	1200 VA	• Fluorescent lamps parallel p.f. corrected	920 VA	• Fluorescent lamps in DUO circuit	2300 VA	Extension units		• Number of motion detector extension unit inserts	10	• Number of mechanical pushbuttons	unlimited	• Maximum cable length (total)	100 m	Note	Section	Page	Switching commands are issued by the release of the plug-on motion detector top or by an extension unit. For further details of tops, see ...	<i>Technical Information / Motion Detectors / Motion detector relay inserts</i>	20/40	5TC1 500	024	1
Tops, see section	Page																																													
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Version	Order No.	Price	PG	PS*/ P. unit																																							
		1 unit		Unit(s)																																							
 5TC1 501	Motion detector triac inserts • Flush-mounting inserts for motion detector tops for switching – 230-V incandescent lamps, – 230-V halogen lamps and – LV halogen lamps with magnetic transformer • The lamp is switched on using a gentle soft start <table><tr><th>Tops, see section</th><th>Page</th></tr><tr><td>Design / DELTA i-system / Motion detectors</td><td>1/29</td></tr><tr><td>Design / DELTA profil / Motion detectors</td><td>5/30</td></tr><tr><td>Design / DELTA style / Motion detectors</td><td>6/22</td></tr></table> <table><tr><th colspan="2">Technical specifications</th></tr><tr><td>Rated voltage, 2-conductor-connection</td><td>230 V AC, 50/60 Hz</td></tr><tr><td colspan="2">Connected loads</td></tr><tr><td>• Incandescent lamp rating</td><td>40 ... 400 W</td></tr><tr><td>• HV halogen lamps</td><td>40 ... 400 W</td></tr><tr><td>• Conventional transformers including power loss</td><td>max. 400 VA</td></tr><tr><td colspan="2">Short-circuit protection</td></tr><tr><td>• Miniature fuse</td><td>T 1.6 H 250 V</td></tr><tr><td colspan="2">Extension units</td></tr><tr><td>• Number of motion detector extension unit inserts</td><td>10</td></tr><tr><td>• Number of mechanical pushbuttons</td><td>unlimited</td></tr><tr><td>• Maximum cable length (total)</td><td>100 m</td></tr></table> <table><tr><th>Note</th><th>Section</th><th>Page</th></tr><tr><td>Switching commands are issued by the release of the plug-on motion detector top or by an extension unit. For further details of tops, see ...</td><td>Technical Information / Motion Detectors / Motion detector triac inserts</td><td>20/41</td></tr></table>	Tops, see section	Page	Design / DELTA i-system / Motion detectors	1/29	Design / DELTA profil / Motion detectors	5/30	Design / DELTA style / Motion detectors	6/22	Technical specifications		Rated voltage, 2-conductor-connection	230 V AC, 50/60 Hz	Connected loads		• Incandescent lamp rating	40 ... 400 W	• HV halogen lamps	40 ... 400 W	• Conventional transformers including power loss	max. 400 VA	Short-circuit protection		• Miniature fuse	T 1.6 H 250 V	Extension units		• Number of motion detector extension unit inserts	10	• Number of mechanical pushbuttons	unlimited	• Maximum cable length (total)	100 m	Note	Section	Page	Switching commands are issued by the release of the plug-on motion detector top or by an extension unit. For further details of tops, see ...	Technical Information / Motion Detectors / Motion detector triac inserts	20/41	5TC1 501		024	1
Tops, see section	Page																																										
Design / DELTA i-system / Motion detectors	1/29																																										
Design / DELTA profil / Motion detectors	5/30																																										
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Motion Detectors

Inserts

Version	Order No.	Price	PG	PS*/ P. unit																						
		1 unit		Unit(s)																						
 5TC1 502 Motion detector extension unit inserts • Flush-mounting inserts for motion detector tops • The motion detector extension unit insert is a 3-wire extension unit that can only be used in combination with a motion detector relay insert or a motion detector triac insert. • In case of a motion detection, a brightness-independent switching signal is issued to the center unit. • The minimum time between the two switching signals of the motion detector extension unit insert amounts to approx. 5 sec. • The evaluation is performed in the top of the center unit. • The motion detector extension unit must not be assigned to more than one center unit. • It is not suitable for the direct switching of loads. <table><tr><th>Tops, see section</th><th>Page</th></tr><tr><td><i>Design / DELTA i-system / Motion detectors</i></td><td>1/29</td></tr><tr><td><i>Design / DELTA profil / Motion detectors</i></td><td>5/30</td></tr><tr><td><i>Design / DELTA style / Motion detectors</i></td><td>6/22</td></tr></table> Technical specifications <table><tr><td>Rated voltage</td><td>230 V AC, 50/60 Hz N conductor required</td></tr><tr><td>Connection</td><td>to the center unit with motion detector top</td></tr><tr><td>Possible inserts for the center unit</td><td> • Motion detector relay inserts (5TC1 500) • Motion detector triac inserts (5TC1 501) </td></tr><tr><td>Extension units</td><td></td></tr><tr><td> • Number of motion detector extension unit inserts </td><td>10</td></tr><tr><td> • Maximum cable length (total) </td><td>100 m</td></tr></table><table><tr><th>Note</th><th>Section</th><th>Page</th></tr><tr><td>Switching commands are issued by the release of the plug-on motion detector top or by an extension unit. For further details of tops, see ...</td><td><i>Technical Information / Motion Detectors / Motion detector extension unit inserts</i></td><td>20/42</td></tr></table> 5TC1 502 024 1	Tops, see section	Page	<i>Design / DELTA i-system / Motion detectors</i>	1/29	<i>Design / DELTA profil / Motion detectors</i>	5/30	<i>Design / DELTA style / Motion detectors</i>	6/22	Rated voltage	230 V AC, 50/60 Hz N conductor required	Connection	to the center unit with motion detector top	Possible inserts for the center unit	• Motion detector relay inserts (5TC1 500) • Motion detector triac inserts (5TC1 501)	Extension units		• Number of motion detector extension unit inserts	10	• Maximum cable length (total)	100 m	Note	Section	Page	Switching commands are issued by the release of the plug-on motion detector top or by an extension unit. For further details of tops, see ...	<i>Technical Information / Motion Detectors / Motion detector extension unit inserts</i>	20/42
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14

Shutter/Blind Controls

14/2	Inserts
14/5	Inserts with cover plate
14/11	Accessories and spare parts

Version	Order No.	Price	PG	PS*/ P. unit																																				
		1 unit		Unit(s)																																				
 5TC1 231	Shutter/blind control sys inserts • For controlling a shutter/blind motor with mechanical or electronic limit switches • Flush-mounting devices • Operation is by means of <i>shutter/blind sys pushbuttons</i> and <i>UP 211 wave shutter/blind pushbuttons</i> (radio) <table><tr><th colspan="2">Product features</th></tr><tr><td colspan="2">2 electric safety locking relays with a minimum switchover time of 1 s</td></tr><tr><td colspan="2">Group and central controls through combination of several shutter/blind control sys inserts</td></tr><tr><td colspan="2">The "wind alarm" safety function can be implemented through the UP secondary input</td></tr><tr><td colspan="2">Multiphase operation possible (i.e. different phases at the main and secondary branches)</td></tr><tr><td colspan="2">Jumpering of power failures less than 0.2 s</td></tr><tr><td colspan="2">Conventional shutter/blind pushbutton (5TA2 114) or switch (5TA2 154) can be connected over secondary inputs</td></tr><tr><td colspan="2">Number of extension units: unlimited</td></tr><tr><td colspan="2">Rated voltage: 230 V AC, 50 Hz (neutral conductor required)</td></tr><tr><td colspan="2">Connected load: max. 1 motor up to 1000 VA</td></tr><tr><th>Tops, see section</th><th>Page (ff.)</th></tr><tr><td><i>Design / DELTA i-system / Shutter/Blind Controls</i></td><td>1/13</td></tr><tr><td><i>Design / DELTA profil / Shutter/Blind controls</i></td><td>5/16</td></tr><tr><td><i>Design / DELTA style / Shutter/Blind Controls</i></td><td>6/13</td></tr><tr><th>Note</th><th>Section</th><th>Page</th></tr><tr><td>Technical Specifications, see ...</td><td><i>Technical Information / Shutter/Blind Controls / Shutter/blind control sys inserts</i></td><td>20/48</td></tr></table>	Product features		2 electric safety locking relays with a minimum switchover time of 1 s		Group and central controls through combination of several shutter/blind control sys inserts		The "wind alarm" safety function can be implemented through the UP secondary input		Multiphase operation possible (i.e. different phases at the main and secondary branches)		Jumpering of power failures less than 0.2 s		Conventional shutter/blind pushbutton (5TA2 114) or switch (5TA2 154) can be connected over secondary inputs		Number of extension units: unlimited		Rated voltage: 230 V AC, 50 Hz (neutral conductor required)		Connected load: max. 1 motor up to 1000 VA		Tops, see section	Page (ff.)	<i>Design / DELTA i-system / Shutter/Blind Controls</i>	1/13	<i>Design / DELTA profil / Shutter/Blind controls</i>	5/16	<i>Design / DELTA style / Shutter/Blind Controls</i>	6/13	Note	Section	Page	Technical Specifications, see ...	<i>Technical Information / Shutter/Blind Controls / Shutter/blind control sys inserts</i>	20/48	5TC1 231	024	1		
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Note	Section	Page																																						
Technical Specifications, see ...	<i>Technical Information / Shutter/Blind Controls / Shutter/blind control sys inserts</i>	20/48																																						
 5TC1 270	Shutter/blind control flush-mounting isolating relays • Double, with individual control • Relay for the control of several shutters or blinds • Two motors can be controlled per isolating relay, even if further isolating relays are connected downstream • Option for individual control of connected motors over shutter/blind pushbutton (e.g. 5TA2 114) • In order to ensure a sufficient degree of protection, the isolating relay must be installed in a surface-mounting or flush-mounting box <table><tr><th colspan="2">Technical specifications</th></tr><tr><td>Rated voltage</td><td>230 V/50 Hz ± 10 %</td></tr><tr><td>Relay switching voltage</td><td>max. 250 V</td></tr><tr><td>Relay switching capacity</td><td>max. 8 A (AC1), 3 A (ind.)</td></tr><tr><td>Control voltage</td><td>230 V AC ± 10 %</td></tr><tr><td>Relay current consumption</td><td>10 mA</td></tr><tr><td>Temperature range</td><td>0 ... 60 °C</td></tr><tr><td>Terminals</td><td>max. 2.5 mm²</td></tr><tr><td>Dimensions</td><td>58 mm x 59 mm x 22 mm</td></tr><tr><td>Weight</td><td>approx. 75 g</td></tr><tr><td>Installation</td><td>flush-mounting box from 70 mm Ø, 4 mm deep or surface-mounting box 100 mm x 100 mm</td></tr><tr><td colspan="2">Interlock to prevent simultaneous actuation of central and individual control</td></tr><tr><td colspan="2">Priority switching of the central command</td></tr><tr><td colspan="2">The switchover time between an UP and DOWN command must be at least 0.5 sec</td></tr><tr><td colspan="2">Only for in-phase operation</td></tr><tr><th>Note</th><th>Section</th><th>Page</th></tr><tr><td>For further technical information, see ...</td><td><i>Technical Information / Shutter/Blind Controls / Flush-mounting isolating relays for shutter/blind controls</i></td><td>20/55</td></tr></table>	Technical specifications		Rated voltage	230 V/50 Hz ± 10 %	Relay switching voltage	max. 250 V	Relay switching capacity	max. 8 A (AC1), 3 A (ind.)	Control voltage	230 V AC ± 10 %	Relay current consumption	10 mA	Temperature range	0 ... 60 °C	Terminals	max. 2.5 mm ²	Dimensions	58 mm x 59 mm x 22 mm	Weight	approx. 75 g	Installation	flush-mounting box from 70 mm Ø, 4 mm deep or surface-mounting box 100 mm x 100 mm	Interlock to prevent simultaneous actuation of central and individual control		Priority switching of the central command		The switchover time between an UP and DOWN command must be at least 0.5 sec		Only for in-phase operation		Note	Section	Page	For further technical information, see ...	<i>Technical Information / Shutter/Blind Controls / Flush-mounting isolating relays for shutter/blind controls</i>	20/55	5TC1 270	024	1
Technical specifications																																								
Rated voltage	230 V/50 Hz ± 10 %																																							
Relay switching voltage	max. 250 V																																							
Relay switching capacity	max. 8 A (AC1), 3 A (ind.)																																							
Control voltage	230 V AC ± 10 %																																							
Relay current consumption	10 mA																																							
Temperature range	0 ... 60 °C																																							
Terminals	max. 2.5 mm ²																																							
Dimensions	58 mm x 59 mm x 22 mm																																							
Weight	approx. 75 g																																							
Installation	flush-mounting box from 70 mm Ø, 4 mm deep or surface-mounting box 100 mm x 100 mm																																							
Interlock to prevent simultaneous actuation of central and individual control																																								
Priority switching of the central command																																								
The switchover time between an UP and DOWN command must be at least 0.5 sec																																								
Only for in-phase operation																																								
Note	Section	Page																																						
For further technical information, see ...	<i>Technical Information / Shutter/Blind Controls / Flush-mounting isolating relays for shutter/blind controls</i>	20/55																																						

Shutter/Blind Controls

Inserts

Version		Order No.	Price	PG	PS*/ P. unit
			1 unit		Unit(s)
 5TC1 271	Shutter/blind control flush-mounting isolating relays, compact - Relay for the control of several shutters or blinds - A maximum of two motors can be connected per compact isolating relay, whereby the drive connected to the marked motor terminals can also be individually controlled over a blind pushbutton - If cascaded, a motor can be connected to each compact isolating relay, which can also be individually controlled over a blind pushbutton - In order to ensure a sufficient degree of protection, the isolating relay must be installed in a surface-mounting or flush-mounting box		5TC1 271	024	1
	Technical specifications				
	Rated voltage	230 V/50 Hz ±10 %			
	Relay switching capacity	max. 8 A (AC1), 3 A (ind.)			
	Control voltage	230 V/50 Hz ±10 %			
	Relay current consumption	10 mA			
	Temperature range	0 ... 60 °C			
	Terminals	max. 2.5 mm²			
	Dimensions	50 mm x 53 mm x 22 mm			
	Weight	approx. 60 g			
Installation	flush-mounting box from 60 mm Ø, 40 mm deep or surface-mounting box 75 mm x 37 mm				
Interlock to prevent simultaneous actuation of central and individual control					
Priority switching of the central command					
The switchover time between an UP and DOWN command must be at least 0.5 sec					
Only for in-phase operation					
Note	Section	Page			
For further technical information, see ...	Technical Information / Shutter/Blind Controls / Compact flush-mounting isolating relays for shutter/ blind control	20/56			

Selection and ordering data

Version	Order No.	Price	PG	PS*/ P. unit																											
		1 unit		Unit(s)																											
 5TA7 660 Shutter/blind knob-operated switches with Up/Down symbols, in DELTA i-system design • For screw and claw fixing • Screw connection • 10 A, 250 V AC • Momentary-contact and maintained-contact position to left and right and neutral position <table><tr><th colspan="3">Versions</th></tr><tr><td>• 1-pole (changeover contact with neutral position)</td><td></td><td></td></tr><tr><td>– titanium white (similar to RAL 9010)</td><td>5TA7 660</td><td>021 1</td></tr><tr><td>– electrical white (RAL 1013)</td><td>5TA7 671</td><td>021 1</td></tr><tr><td>• 2-pole (changeover contacts with neutral position)</td><td></td><td></td></tr><tr><td>– titanium white (similar to RAL 9010)</td><td>5TA7 661</td><td>021 1</td></tr><tr><td>– electrical white (RAL 1013)</td><td>5TA7 672</td><td>021 1</td></tr><tr><th>Note</th><th>Section</th><th>Page</th></tr><tr><td>Technical Specifications, see ...</td><td>Technical Information / Shutter/Blind Controls / Shutter/blind knob-operated switches</td><td>20/45</td></tr></table>	Versions			• 1-pole (changeover contact with neutral position)			– titanium white (similar to RAL 9010)	5TA7 660	021 1	– electrical white (RAL 1013)	5TA7 671	021 1	• 2-pole (changeover contacts with neutral position)			– titanium white (similar to RAL 9010)	5TA7 661	021 1	– electrical white (RAL 1013)	5TA7 672	021 1	Note	Section	Page	Technical Specifications, see ...	Technical Information / Shutter/Blind Controls / Shutter/blind knob-operated switches	20/45				
Versions																															
• 1-pole (changeover contact with neutral position)																															
– titanium white (similar to RAL 9010)	5TA7 660	021 1																													
– electrical white (RAL 1013)	5TA7 671	021 1																													
• 2-pole (changeover contacts with neutral position)																															
– titanium white (similar to RAL 9010)	5TA7 661	021 1																													
– electrical white (RAL 1013)	5TA7 672	021 1																													
Note	Section	Page																													
Technical Specifications, see ...	Technical Information / Shutter/Blind Controls / Shutter/blind knob-operated switches	20/45																													
 5TA7 663 Shutter/blind knob-operated switches with "Down" / "Up" label, in DELTA i-system design • For screw and claw fixing • Screw connection • 10 A, 250 V AC • 1-pole (changeover contact with neutral position) • Momentary-contact position to left and right and neutral position <table><tr><th colspan="3">Versions</th></tr><tr><td>• Titanium white (similar to RAL 9010)</td><td>5TA7 663</td><td>021 1</td></tr><tr><td>• Electrical white (RAL 1013)</td><td>5TA7 674</td><td>021 1</td></tr><tr><th>Note</th><th>Section</th><th>Page</th></tr><tr><td>Technical Specifications, see ...</td><td>Technical Information / Shutter/Blind Controls / Shutter/blind knob-operated switches</td><td>20/45</td></tr></table>	Versions			• Titanium white (similar to RAL 9010)	5TA7 663	021 1	• Electrical white (RAL 1013)	5TA7 674	021 1	Note	Section	Page	Technical Specifications, see ...	Technical Information / Shutter/Blind Controls / Shutter/blind knob-operated switches	20/45																
Versions																															
• Titanium white (similar to RAL 9010)	5TA7 663	021 1																													
• Electrical white (RAL 1013)	5TA7 674	021 1																													
Note	Section	Page																													
Technical Specifications, see ...	Technical Information / Shutter/Blind Controls / Shutter/blind knob-operated switches	20/45																													
 5TA7 662 Shutter/blind key-operated switches with Up/Down symbols, in DELTA i-system design • With safety lock and 2 keys • For screw and claw fixing • Screw connection • 10 A, 250 V AC • 1-pole (changeover contact with neutral position) • Identical key type • Key can only be withdrawn in neutral position • Momentary-contact and maintained-contact position to left and right and neutral position <table><tr><th colspan="3">Versions</th></tr><tr><td>• Titanium white (similar to RAL 9010)</td><td>5TA7 662</td><td>021 1</td></tr><tr><td>• Electrical white (RAL 1013)</td><td>5TA7 673</td><td>021 1</td></tr><tr><th>Note</th><th>Section</th><th>Page</th></tr><tr><td>Technical Specifications, see ...</td><td>Technical Information / Shutter/Blind Controls / Shutter/blind key-operated switches</td><td>20/45</td></tr></table>	Versions			• Titanium white (similar to RAL 9010)	5TA7 662	021 1	• Electrical white (RAL 1013)	5TA7 673	021 1	Note	Section	Page	Technical Specifications, see ...	Technical Information / Shutter/Blind Controls / Shutter/blind key-operated switches	20/45																
Versions																															
• Titanium white (similar to RAL 9010)	5TA7 662	021 1																													
• Electrical white (RAL 1013)	5TA7 673	021 1																													
Note	Section	Page																													
Technical Specifications, see ...	Technical Information / Shutter/Blind Controls / Shutter/blind key-operated switches	20/45																													

Shutter/Blind Controls

Inserts with cover plate

Version		Order No.	Price	PG	PS*/ P. unit	
			1 unit		Unit(s)	
 5TA7 650	Shutter/blind key-operated switches, with "key" symbol, in DELTA fläche design, IP44 - Degree of protection IP44 and splash-proof. - With Up/Down symbols (under the hinged lid) 10 A, 250 V AC according to DIN 49200 - Enclosures made of high-impact molded plastic - Size of cover: 66 mm x 75 mm - Cable entry: slide nipples for cables with 8 ... 13.5 mm Ø - Screw connection 1-pole (changeover contact with neutral position) - With two keys - Identical key type (different locking systems on request) - Key can only be withdrawn in neutral position					
	Versions					
	• Momentary-contact and maintained-contact position to left and right			5TA7 650	021	1
	• Momentary-contact position to left and right			5TA7 651	021	1
	Note	Section		Page		
Technical Specifications, see ...		Technical Information / Shutter/Blind Controls / Shutter/blind key-operated switches	20/45			
 5TD4 708	Shutter/blind pushbuttons, with electrical interlock, with Up/Down symbols, in DELTA fläche design, IP44 - Screwless terminals - Terminal assignment same as for 5TA2 114 flush-mounting insert		5TD4 708	021	1/10	
	Note	Section				Page
	Technical Specifications, see ...					Technical Information / Shutter/Blind Controls / Shutter/blind pushbuttons, with electrical interlock
 5TA7 666	Shutter/blind key-operated switches for master-key systems, with Up/Down symbols, momentary-contact position to left and right, in DELTA i-system design - For screw and claw fixing - Screw connection 10 A, 250 V AC - Key can only be withdrawn in neutral position					
	Versions					
	• 1-pole (changeover contact with neutral position)					
	– titanium white (similar to RAL 9010)			5TA7 666	021	1
	– electrical white (RAL 1013)			5TA7 677	021	1
	• 2-pole (changeover contacts with neutral position)					
	– titanium white (similar to RAL 9010)			5TA7 667	021	1
	– electrical white (RAL 1013)			5TA7 678	021	1
	Note	Section		Page		
	5TG4 225 profile semicylinder must be ordered separately			5TG4 225	021	1/10
Technical Specifications, see ...		Technical Information / Shutter/Blind Controls / Shutter/blind key-operated switches, for master-key systems	20/46			

Version	Order No.	Price	PG	PS*/ P. unit
		1 unit		Unit(s)
 Shutter/blind key-operated switches for master-key systems, with Up/Down symbols, momentary and maintained-contact position to left and right, in DELTA i-system design • For screw and claw fixing • Screw connection • 10 A, 250 V AC • Key can only be withdrawn in neutral position Versions • 1-pole (changeover contact with neutral position) – titanium (similar to RAL 9010) 5TA7 664 – electrical white (RAL 1013) 5TA7 675 • 2-pole (changeover contacts with neutral position) – titanium white (similar to RAL 9010) 5TA7 665 – electrical white (RAL 1013) 5TA7 676 Note Section Page 5TG4 225 <i>profile semicylinder</i> must be ordered separately 5TG4 225 Technical Specifications, see ... <i>Technical Information / Shutter/Blind Controls / Shutter/blind key-operated switches, for master-key systems</i> 20/46			021	1
 Shutter/blind key-operated switches for master-key systems, with Up/Down symbols, maintained-contact position to left and right, in DELTA i-system design • For screw and claw fixing • Screw connection • 10 A, 250 V AC Versions • 1-pole, changeover contact with neutral position, key can only be withdrawn in neutral position – titanium white (similar to RAL 9010) 5TA7 668 – electrical white (RAL 1013) 5TA7 680 • 2-pole, changeover contacts without neutral position, key can be withdrawn in both maintained-contact positions – titanium white (similar to RAL 9010) 5TA7 670 – electrical white (RAL 1013) 5TA7 681 Note Section Page 5TG4 225 <i>profile semicylinder</i> must be ordered separately 5TG4 225 Technical Specifications, see ... <i>Technical Information / Shutter/Blind Controls / Shutter/blind key-operated switches, for master-key systems</i> 20/46			021	1
 Shutter/blind key-operated switches for master-key systems, with Up/Down symbols, in DELTA profil design • For screw and claw fixing • Screw connection • 10 A, 250 V AC • Key can only be withdrawn in neutral position • 1-pole (changeover contact with neutral position) • Titanium white (similar to RAL 9010) Versions • Momentary-contact and maintained-contact position to left and right 5TA7 682 • Maintained-contact position to left and right 5TA7 683 • Momentary-contact position to left and right 5TA7 684 Note Section Page 5TG4 225 <i>profile semicylinder</i> must be ordered separately 5TG4 225 Technical Specifications, see ... <i>Technical Information / Shutter/Blind Controls / Shutter/blind key-operated switches, for master-key systems</i> 20/46			021	1

Shutter/Blind Controls

Inserts with cover plate

Version		Order No.	Price	PG	PS*/ P. unit			
			1 unit		Unit(s)			
 5TA7 685	Shutter/blind key-operated switches for master-key systems, with Up/Down symbols, in DELTA style design • For screw and claw fixing • Screw connection • 10 A, 250 V AC • Key can only be withdrawn in neutral position • Changeover contact with neutral position • 1-pole (changeover contact with neutral position) • Titanium white (similar to RAL 9010)							
	Versions							
	• Momentary-contact and maintained-contact position to left and right					5TA7 685	021	1
	• Maintained-contact position to left and right					5TA7 686	021	1
	• Momentary-contact position to left and right					5TA7 687	021	1
	Note	Section				Page		
5TG4 225 <i>profile semicylinder</i> must be ordered separately		5TG4 225	021	1/10				
Technical Specifications, see ...		<i>Technical Information / Shutter/Blind Controls / Shutter/blind key-operated switches, for master-key systems</i>	20/46					
 5TG4 225	Profile semicylinders for "shutter/blind key-operated switches for master-key systems" • CES product • With three keys of • Identical key type		5TG4 225	021	1/10			

Version	Order No.	Price	PG	PS*/ P. unit
		1 unit		Unit(s)
 5TC1 520	Shutter/blind controls for use with the DELTA i-system / DELTA profil and DELTA style - For controlling a blind or shutter motor with mechanical or electronic limit switches - Operation is by means of 4 control buttons			
	Versions			
	• Titanium white (similar to RAL 9010)	5TC1 520	024	1
	• Electrical white (RAL 1013)	5TC1 532	024	1
	• Aluminum metallic or silver (similar to RAL 9006)	5TC1 522	024	1
	• Carbon metallic or anthracite (similar to RAL 7016)	5TC1 524	024	1
	• Pearl gray (similar to RAL 7035) 	5TC1 552	024	1
	• Champagne (similar to RAL 7048) 	5TC1 553	024	1
	• Bronze (similar to RAL 3012) 	5TC1 554	024	1
	Note	Section	Page	
	For use with the DELTA profil product range, the following <i>intermediate frames</i> must be ordered separately:			
	• Titanium white (similar to RAL 9010)	<i>Design / DELTA profil / Frames</i>	5/8	5TG1 893
	• Silver or aluminum metallic (similar to RAL 9006)	<i>Design / DELTA profil / Frames</i>	5/8	5TG1 762
	• Anthracite or carbon metallic (similar to RAL 7016)	<i>Design / DELTA profil / Frames</i>	5/8	5TG1 835
	For use with the DELTA style product range, titanium white, an <i>intermediate frame</i> must be ordered separately, see ...	<i>Design / DELTA style / Frames</i>	6/7	5TG1 327
	Technical Specifications, see ...	<i>Technical Information / Shutter/Blind Controls / Shutter/Blind Controls</i>	20/50	
	Product features			
	Flush-mounting device without an extension unit input			
	230 V AC, 50 Hz (N conductor required)			
	With screw and claw fixing			
	Type of connection: screw-type terminals			
	2 relays which are interlocked against each other with a minimum switchover time of approx. 1 s			
	Bridging of voltage interruptions < 0.2 s			
	Connected load: max. 1 motor up to 1000 W			
	Pulse duration: approx. 2 min			
	Accuracy: ± 1 min per month			
	Reserve power: > 6 h			
	Switching times: max. 4 (in 2 blocks: Mo ... Fr / Sa ... Su)			
	Factory preset switching times for faster commissioning			
	Possible reset to factory setting, manual operation is possible at any time			

Shutter/Blind Controls

Inserts with cover plate



STC1 521

Version

Order No.

Price

PG

PS*/
P. unit

1 unit

Unit(s)

Comfort shutter/blind controls for use with the DELTA i-system / DELTA profil and DELTA style

- For controlling a blind or shutter motor with mechanical or electronic limit switches and extensive functionality (see product features)
- Menu-controlled operation by means of 4 control buttons

Versions

• Titanium white (similar to RAL 9010)	5TC1 521	024	1
• Electrical white (RAL 1013)	5TC1 533	024	1
• Aluminum metallic or silver (similar to RAL 9006)	5TC1 523	024	1
• Carbon metallic or anthracite (similar to RAL 7016)	5TC1 525	024	1
• Pearl gray (similar to RAL 7035) NEW	5TC1 556	024	1
• Champagne (similar to RAL 7048) NEW	5TC1 557	024	1
• Bronze (similar to RAL 3012) NEW	5TC1 558	024	1

Note

The *sun sensor* must be ordered separately, see ...

Section	Page
<i>Design / DELTA i-system / Accessories and spare parts</i>	1/41

5TC1 526 024 1

For use with the DELTA profil product range, the following *intermediate frames* must be ordered separately:

• Titanium white (similar to RAL 9010)	<i>Design / DELTA profil / Frames</i>	5/8	5TG1 893	021	1/10
• Silver or aluminum metallic (similar to RAL 9006)	<i>Design / DELTA profil / Frames</i>	5/8	5TG1 762	021	1/10
• Anthracite or carbon metallic (similar to RAL 7016)	<i>Design / DELTA profil / Frames</i>	5/8	5TG1 835	021	1/10

For use with the DELTA style product range, titanium white, an *intermediate frame* must be ordered separately, see ...

<i>Design / DELTA style / Frames</i>	6/7
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5TG1 327 021 1/10

Technical Specifications, see ...

<i>Technical Information / Shutter/Blind Controls / Comfort shutter/blind control</i>	20/51
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Product features

Flush-mounting device without an extension unit input
230 V AC, 50 Hz (N conductor required)
With screw and claw fixing
Type of connection: screw-type terminals
2 relays which are interlocked against each other with a minimum switchover time of approx. 1 s
Bridging of voltage interruptions < 0.2 s
Connected load: max. 1 motor up to 1000 W
Pulse duration: 2 min factory setting, may be changed to as much as 12 min by configuration
Accuracy: ± 1 min per month
Reserve power: approx. 24 h
Switching times: max. 18 (can be split up in three memories)
Factory preset switching times for faster commissioning
Possible reset to factory settings
Random generator ± 15 min
Astro program (can be delayed by ± 1 h 59 min)
Easy changeover from summer to winter time
Twilight and sun protection function is possible with an optional sun sensor
The random and astro functions can be combined
Manual operation possible at any time

Selection and ordering data				
Version		Order No.	Price	PG
			1 unit	PS*/ P. unit
		5TC1 526		024 1
Sun sensors • With 2-m connecting cable (extendable to 25 m) • In combination with the Comfort shutter/blind control, the sun sensor can be used for sun protection and twilight functions				
Note	Section	Page		
Technical Specifications, see ...	<i>Technical Information / Shutter/Blind Controls / Comfort shutter/blind control</i>	20/51		

5TC1 526

* You can order this quantity or a multiple thereof.

Shutter/Blind Controls

Notes



15

Room Temperature Controllers

15/2

Inserts

15

Room Temperature Controllers

Inserts

Selection and ordering data

Version	Order No.	Price	PG	PS*/ P. unit
		1 unit		Unit(s)
General information • For screw fixing • With screwless terminals				
 5TC9 200	Room temperature controllers, 1 NC contact • 1/N 230 V/240 V AC, 50 Hz, 10 A (4 A) • Normal version with nighttime reduction • For electric and warm water convectors, pumps and tank control • The temperature controller operates as two-position controller with thermal feedback • If the temperature on the bimetal increases and the setpoint value is reached, the NC contact (heating contact) switches off • If the temperature on the bimetal sinks below the setpoint value minus the hysteresis, the NC contact switches back on • Activation of the temperature reduction lowers the temperature range by approx. 5 K		5TC9 200	
			024	
			1	
	Tops, see section		Page (ff.)	
	Design / DELTA ambiente / Room Temperature Controllers		8/18	
	Design / DELTA i-system / Room Temperature Controllers		1/31	
	Design / DELTA profil / Room Temperature Controllers		5/33	
	Design / DELTA style / Room Temperature Controllers		6/24	
	Note		Section	
	Technical Specifications, see ...		Technical Information / Room Temperature Controllers / Room Temperature Controllers, with 1 NC contact	
			20/57	
 5TC9 201	Room temperature controllers, 1 CO contact • 1/N 230 V/240 V AC, 50 Hz, 10 A (4 A) • Normal version • For electric and warm water convectors, pumps and tank control • The temperature controller operates as two-position controller with thermal feedback • If the temperature on the bimetal increases and the setpoint value is reached, the NC contact (heating contact) switches off and the NO contact (cooling contact) closes • If the temperature on the bimetal sinks below the setpoint value minus the hysteresis, the NC contact switches back on		5TC9 201	
			024	
			1/100	
	Tops, see section		Page (ff.)	
	Design / DELTA ambiente / Room Temperature Controllers		8/18	
	Design / DELTA i-system / Room Temperature Controllers		1/31	
	Design / DELTA profil / Room Temperature Controllers		5/33	
	Design / DELTA style / Room Temperature Controllers		6/24	
	Note		Section	
	Technical Specifications, see ...		Technical Information / Room Temperature Controllers / Room temperature controllers, with 1 CO contact	
			20/57	

Version	Order No.	Price	PG	PS*/ P. unit												
		1 unit		Unit(s)												
 5TC9 202 Room temperature controllers, 3-position switch • 1/N 230 V/240 V AC, 50 Hz, 10 A (4 A) • 3-position switches: automatic timing, constant day temperature, constant nighttime reduction • For electric and warm water convectors, pumps and tank control • The S1 switch can be used to preselect between time/day and night to control temperature reduction • The temperature controller operates as two-position controller with thermal feedback • If the temperature on the bimetal increases and the setpoint value is reached, the NC contact (heating contact) switches off • If the temperature on the bimetal sinks below the setpoint value minus the hysteresis, the NC contact switches back on • Activation of the temperature reduction lowers the temperature range by approx. 5 K <table><tr><th>Tops, see section</th><th>Page (ff.)</th></tr><tr><td>Design / DELTA ambiente / Room Temperature Controllers</td><td>8/18</td></tr><tr><td>Design / DELTA i-system / Room Temperature Controllers</td><td>1/31</td></tr><tr><td>Design / DELTA profil / Room Temperature Controllers</td><td>5/33</td></tr><tr><td>Design / DELTA style / Room Temperature Controllers</td><td>6/24</td></tr><tr><th>Note</th><th>Section</th><th>Page</th></tr><tr><td>Technical Specifications, see ...</td><td>Technical Information / Room Temperature Controllers / Room temperature controllers, 3-position switches</td><td>20/58</td></tr></table> 5TC9 202 024 1	Tops, see section	Page (ff.)	Design / DELTA ambiente / Room Temperature Controllers	8/18	Design / DELTA i-system / Room Temperature Controllers	1/31	Design / DELTA profil / Room Temperature Controllers	5/33	Design / DELTA style / Room Temperature Controllers	6/24	Note	Section	Page	Technical Specifications, see ...	Technical Information / Room Temperature Controllers / Room temperature controllers, 3-position switches	20/58
Tops, see section	Page (ff.)															
Design / DELTA ambiente / Room Temperature Controllers	8/18															
Design / DELTA i-system / Room Temperature Controllers	1/31															
Design / DELTA profil / Room Temperature Controllers	5/33															
Design / DELTA style / Room Temperature Controllers	6/24															
Note	Section	Page														
Technical Specifications, see ...	Technical Information / Room Temperature Controllers / Room temperature controllers, 3-position switches	20/58														
 5TC9 203 Room temperature controllers, direct floor heating • With remote sensor • 1 N 230 V AC, 50 Hz, switching capacity 2.3 kW, 10 A (4 A) • Switch contact, NO contact • For controlling floor storage heating and electric floor heating with heat mats • The basic controller type comprises two parts: control device (for setting the required floor temperature) and remote sensor (in the floor for monitoring the set temperature) • The rotary button lets you set the required floor temperature • If the temperature falls below the set value, the control device demands heat, which is also visually indicated by a red LED • A nighttime reduction can be activated over the connection (time switch), this is indicated by a green LED • The temperature reduction is approx. 5 °C <table><tr><th>Tops, see section</th><th>Page (ff.)</th></tr><tr><td>Design / DELTA i-system / Room Temperature Controllers</td><td>1/31</td></tr><tr><td>Design / DELTA profil / Room Temperature Controllers</td><td>5/33</td></tr><tr><td>Design / DELTA style / Room Temperature Controllers</td><td>6/24</td></tr><tr><th>Note</th><th>Section</th><th>Page</th></tr><tr><td>Technical Specifications, see ...</td><td>Technical Information / Room Temperature Controllers / Room Temperature Controllers, Direct floor heating</td><td>20/59</td></tr></table> 5TC9 203 024 1	Tops, see section	Page (ff.)	Design / DELTA i-system / Room Temperature Controllers	1/31	Design / DELTA profil / Room Temperature Controllers	5/33	Design / DELTA style / Room Temperature Controllers	6/24	Note	Section	Page	Technical Specifications, see ...	Technical Information / Room Temperature Controllers / Room Temperature Controllers, Direct floor heating	20/59		
Tops, see section	Page (ff.)															
Design / DELTA i-system / Room Temperature Controllers	1/31															
Design / DELTA profil / Room Temperature Controllers	5/33															
Design / DELTA style / Room Temperature Controllers	6/24															
Note	Section	Page														
Technical Specifications, see ...	Technical Information / Room Temperature Controllers / Room Temperature Controllers, Direct floor heating	20/59														

Room Temperature Controllers

Notes



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Inserts

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Inserts with cover plate

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**Modules from the
DELTA m-system**

Inserts

Selection and ordering data

Version		Order No.	Price	PG	PS*/ P. unit																								
			1 unit		Unit(s)																								
Inserts for TV/RF/SAT																													
General information • For screw and claw fixing • Can be used with all international TV standards: B/G, D/K, I, L, M, CCIR/OIRT, PAL/SECAM/NTSC/Digital-TV • Gap-free transition ranges at both outlets, i.e. any assignment possible with reverse channel and forward channel • Shielding EMC Class A to 300 MHz > 85 dB / 2400 MHz > 55 dB																													
 5TG2 485	Aerial branch-circuit boxes • For use in individual, party, broadband cable and satellite aerial systems • Signal range from 4 ... 2400 MHz • Transfers remote power supply (max. 24 V DC / 500 mA) • Connection attenuation 2 ... 4 dB <table><tr><td colspan="2">Tops, see section</td><td>Page (ff.)</td></tr><tr><td colspan="2">Design / DELTA ambiente / TV/RF/SAT</td><td>8/24</td></tr><tr><td colspan="2">Design / DELTA i-system / TV/RF/SAT</td><td>1/38</td></tr><tr><td colspan="2">Design / DELTA natur / TV/RF/SAT</td><td>7/14</td></tr><tr><td colspan="2">Design / DELTA profil / TV/RF/SAT</td><td>5/44</td></tr><tr><td colspan="2">Design / DELTA style / TV/RF/SAT</td><td>6/34</td></tr><tr><td>Note</td><td>Section</td><td>Page</td></tr><tr><td>Technical Specifications, see ...</td><td>Technical Information / TV/ RF/SAT / Aerial branch-circuit boxes</td><td>20/63</td></tr></table>	Tops, see section		Page (ff.)	Design / DELTA ambiente / TV/RF/SAT		8/24	Design / DELTA i-system / TV/RF/SAT		1/38	Design / DELTA natur / TV/RF/SAT		7/14	Design / DELTA profil / TV/RF/SAT		5/44	Design / DELTA style / TV/RF/SAT		6/34	Note	Section	Page	Technical Specifications, see ...	Technical Information / TV/ RF/SAT / Aerial branch-circuit boxes	20/63	5TG2 485		021	1/10
Tops, see section		Page (ff.)																											
Design / DELTA ambiente / TV/RF/SAT		8/24																											
Design / DELTA i-system / TV/RF/SAT		1/38																											
Design / DELTA natur / TV/RF/SAT		7/14																											
Design / DELTA profil / TV/RF/SAT		5/44																											
Design / DELTA style / TV/RF/SAT		6/34																											
Note	Section	Page																											
Technical Specifications, see ...	Technical Information / TV/ RF/SAT / Aerial branch-circuit boxes	20/63																											
 5TG2 484	Aerial through-way boxes/terminal boxes • For use in party, broadband cable and satellite aerial systems • Can be used as terminal box with terminating resistor 75 Ω (included in delivery) • Signal range from 4 ... 2400 MHz • Throughput attenuation 1.5 dB • Connection attenuation 15 dB <table><tr><td colspan="2">Tops, see section</td><td>Page (ff.)</td></tr><tr><td colspan="2">Design / DELTA ambiente / TV/RF/SAT</td><td>8/24</td></tr><tr><td colspan="2">Design / DELTA i-system / TV/RF/SAT</td><td>1/38</td></tr><tr><td colspan="2">Design / DELTA natur / TV/RF/SAT</td><td>7/14</td></tr><tr><td colspan="2">Design / DELTA profil / TV/RF/SAT</td><td>5/44</td></tr><tr><td colspan="2">Design / DELTA style / TV/RF/SAT</td><td>6/34</td></tr><tr><td>Note</td><td>Section</td><td>Page</td></tr><tr><td>Technical Specifications, see ...</td><td>Technical Information / TV/ RF/SAT / Aerial through-way box / Terminal boxes</td><td>20/63</td></tr></table>	Tops, see section		Page (ff.)	Design / DELTA ambiente / TV/RF/SAT		8/24	Design / DELTA i-system / TV/RF/SAT		1/38	Design / DELTA natur / TV/RF/SAT		7/14	Design / DELTA profil / TV/RF/SAT		5/44	Design / DELTA style / TV/RF/SAT		6/34	Note	Section	Page	Technical Specifications, see ...	Technical Information / TV/ RF/SAT / Aerial through-way box / Terminal boxes	20/63	5TG2 484		021	1/10
Tops, see section		Page (ff.)																											
Design / DELTA ambiente / TV/RF/SAT		8/24																											
Design / DELTA i-system / TV/RF/SAT		1/38																											
Design / DELTA natur / TV/RF/SAT		7/14																											
Design / DELTA profil / TV/RF/SAT		5/44																											
Design / DELTA style / TV/RF/SAT		6/34																											
Note	Section	Page																											
Technical Specifications, see ...	Technical Information / TV/ RF/SAT / Aerial through-way box / Terminal boxes	20/63																											

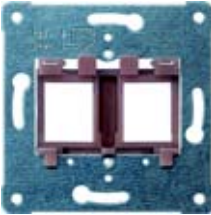
Version		Order No.	Price	PG	PS*/ P. unit	
			1 unit		Unit(s)	
Inserts for TAE outlet boxes						
General information • For screw and claw fixing • With screw-type terminals						
Note		Section	Page			
Technical Specifications, see ...		Technical Information / Communication / TAE outlet boxes	20/62			
 5TG2 853	TAE 6F+N, black • 6-pole • For one telephone, one additional device or one data terminal device		5TG2 853		021 1	
	Tops, see section					Page (ff.)
	Design / DELTA ambiente / Communication					8/22
	Design / DELTA i-system / Communication					1/35
	Design / DELTA natur / Communication					7/13
	Design / DELTA profil / Communication					5/41
	Design / DELTA style / Communication					6/31
	 5TG2 480	TAE 3x 6NFN, black • 3 x 6-pole • For one telephone and two additional devices or data terminal devices				5TG2 480
Tops, see section		Page (ff.)				
Design / DELTA ambiente / Communication		8/22				
Design / DELTA i-system / Communication		1/35				
Design / DELTA natur / Communication		7/13				
Design / DELTA profil / Communication		5/41				
Design / DELTA style / Communication		6/31				
 5TG2 854		TAE 2x 6/6 NFF, black • 3 x 6-pole • For two telephones and two additional devices or data terminal devices		5TG2 854		
	Tops, see section		Page (ff.)			
	Design / DELTA ambiente / Communication		8/22			
	Design / DELTA i-system / Communication		1/35			
	Design / DELTA natur / Communication		7/13			
	Design / DELTA profil / Communication		5/41			
	Design / DELTA style / Communication		6/31			
	 5TG2 855	UAE 8/6 / TAE 6F+N, black • 2 x 6-pole with straight outlet • UAE outlet: RJ 11/12, ISDN-capable Cat. 3 • TAE: for one telephone, and one additional device or a data terminal device				5TG2 855
Tops, see section		Page (ff.)				
Design / DELTA ambiente / Communication		8/22				
Design / DELTA i-system / Communication		1/35				
Design / DELTA natur / Communication		7/13				
Design / DELTA profil / Communication		5/41				
Design / DELTA style / Communication		6/31				
Note						
Use a cover plate for TAE outlet box.						

Inserts

Version		Order No.	Price	PG	PS*/ P. unit
			1 unit		Unit(s)
Inserts for data and voice networks					
General information • For installation in combination devices • With screw and claw fixing					
Note	Section	Page			
Technical Specifications, see ...	Technical Information / Communication / UAE outlet boxes	20/61			
					
UAE outlet boxes, Cat 3, Rutenbeck • With inclined outlet for RJ 11/12 and RJ 45 • With screw-type terminals • Unshielded • ISDN-capable					
Versions					
• 1 x 8-pole		5TG2 417		021	1
• 2 x 8-pole		5TG2 406		021	1
Tops, see section		Page (ff.)			
Design / DELTA ambiente / Communication		8/22			
Design / DELTA i-system / Communication		1/35			
Design / DELTA profil / Communication		5/41			
Design / DELTA style / Communication		6/31			
					
UAE outlet boxes, Cat 5e, Rutenbeck • Band width 100 MHz • Transfer rate 155 Mbit/s • With inclined outlet for RJ 45 • LSA Plus connection method, shielded • Screw fixing only					
Versions					
• 1 x 8-pole		5TG2 418		021	1
• 2 x 8-pole		5TG2 407		021	1
Tops, see section		Page (ff.)			
Design / DELTA ambiente / Communication		8/22			
Design / DELTA i-system / Communication		1/35			
Design / DELTA profil / Communication		5/41			
Design / DELTA style / Communication		6/31			
					
UAE outlet boxes, real Cat 6 a, Rutenbeck • Class E, shielded • Acc. to EN 50173-1:2003-06 Cat. 6 and ISO/IEC 11801:2002 Cat. 6 • For channel installation, with inclined outlet for RJ45 • LSA Plus connection method • 2 x 8-pole		5TG2 448		021	1
Tops, see section		Page (ff.)			
Design / DELTA ambiente / Communication		8/22			
Design / DELTA i-system / Communication		1/35			
Design / DELTA natur / Communication		7/13			
Design / DELTA profil / Communication		5/41			
Design / DELTA style / Communication		6/31			

Version	Order No.	Price	PG	PS*/ P. unit											
		1 unit		Unit(s)											
 5TG2 078	Modular Jack support plates, red insert • Support plate with colored inserts for holding up to two Modular Jack plug-in connectors • For screw fixing • Mountable jacks: – AMP types 216000-2 and 216005-4 – Krone MT-RJ socket 7023 1 303-00, Cat. 6 socket STP 6830 1 312-xx, Cat. 6 socket UTP 6830 1 302-xx, 6380 1 800-xx; 6380 1 810-xx – Radiall R 280 MOD 802/803/804/805/807 – Siemon MX-K-C5-80-ND/-02 ND – Telegärtner Cat. 6 J00029A0036 <table><tr><td>Tops, see section</td><td>Page (ff.)</td></tr><tr><td>Design / DELTA i-system / Communication</td><td>1/35</td></tr><tr><td>Design / DELTA profil / Communication¹⁾</td><td>5/41</td></tr><tr><td>Design / DELTA style / Communication</td><td>6/31</td></tr><tr><td>Note</td><td></td></tr></table> ¹⁾ Cutout frames necessary	Tops, see section	Page (ff.)	Design / DELTA i-system / Communication	1/35	Design / DELTA profil / Communication ¹⁾	5/41	Design / DELTA style / Communication	6/31	Note		5TG2 078		021	1
Tops, see section	Page (ff.)														
Design / DELTA i-system / Communication	1/35														
Design / DELTA profil / Communication ¹⁾	5/41														
Design / DELTA style / Communication	6/31														
Note															
 5TG2 080	Modular Jack support plates, black insert • Support plate with colored inserts for holding up to two Modular Jack plug-in connectors • For screw fixing • Mountable jacks: – AMP types 555224-1 / -2; 555225-1 / -2; – 555234-1 / -2; 555235-1 / -2, 553983-1; 554546-1; 506372-2 – Leviton type 41108, Cat. 5 – Panduit Keyst. Cat5e T568 A and B – Brand Rex GPC Jack F01 3LF <table><tr><td>Tops, see section</td><td>Page (ff.)</td></tr><tr><td>Design / DELTA i-system / Communication</td><td>1/35</td></tr><tr><td>Design / DELTA profil / Communication¹⁾</td><td>5/41</td></tr><tr><td>Design / DELTA style / Communication</td><td>6/31</td></tr><tr><td>Note</td><td></td></tr></table> ¹⁾ Cutout frames necessary	Tops, see section	Page (ff.)	Design / DELTA i-system / Communication	1/35	Design / DELTA profil / Communication ¹⁾	5/41	Design / DELTA style / Communication	6/31	Note		5TG2 080		021	1
Tops, see section	Page (ff.)														
Design / DELTA i-system / Communication	1/35														
Design / DELTA profil / Communication ¹⁾	5/41														
Design / DELTA style / Communication	6/31														
Note															
 5TG2 081	Modular Jack support plates, yellow insert • Support plate with colored inserts for holding up to two Modular Jack plug-in connectors • For screw fixing • Mountable jacks: – AMP types MT-RJ 1278414-1; MT-RJ 1278415-1; MT-RJ 127841-1; MT-RJ 127842-1; 188650 3-6; 338038 1-4; 1375055 1-9; 1375187; 1375188-1; 1375189-1; 1375190; -91; -92; -93 1-9; 1116603 and 604 1-9; 1339188 and 189 1-9; 406372 1-9; -73 and -75 1-9; 1116515-1; 1339015-1; – Kerpen E-Line 600 GG45 Cat6 Keyst.clip No. 9ZE20006; – Nexans LENmark-MJ with Keyst. clip N429.620 <table><tr><td>Tops, see section</td><td>Page (ff.)</td></tr><tr><td>Design / DELTA i-system / Communication</td><td>1/35</td></tr><tr><td>Design / DELTA profil / Communication¹⁾</td><td>5/41</td></tr><tr><td>Design / DELTA style / Communication</td><td>6/31</td></tr><tr><td>Note</td><td></td></tr></table> ¹⁾ Cutout frames necessary	Tops, see section	Page (ff.)	Design / DELTA i-system / Communication	1/35	Design / DELTA profil / Communication ¹⁾	5/41	Design / DELTA style / Communication	6/31	Note		5TG2 081		021	1
Tops, see section	Page (ff.)														
Design / DELTA i-system / Communication	1/35														
Design / DELTA profil / Communication ¹⁾	5/41														
Design / DELTA style / Communication	6/31														
Note															

Inserts

Version		Order No.	Price	PG	PS*/ P. unit
			1 unit		Unit(s)
	Modular Jack support plates, orange insert • Support plate with colored inserts for holding up to two Modular Jack plug-in connectors • For screw fixing • Mountable jacks: – BICC Cat. 5 Plus T 568 A and T568 B – Dancief type T 568 A/B, Cat. 5 – Radiall R280 MOD 809 and MOD 811 – Hubbel HXJ 5 EBU + UTP – BTR UTP 130 A 10 I	5TG2 082		021	1
5TG2 082					
Tops, see section		Page (ff.)			
Design / DELTA i-system / Communication		1/35			
Design / DELTA profil / Communication ¹⁾		5/41			
Design / DELTA style / Communication		6/31			
Note					
¹⁾ Cutout frames necessary					
	Modular Jack support plates, blue insert • Support plate with colored inserts for holding up to two Modular Jack plug-in connectors • For screw fixing • Mountable jacks: – Krone Cat. 5 socket STP 6540 1 1 54-xx, - Cat. 5 socket UTP 6540 1 1 30-xx, 6540.1.100.xx	5TG2 083		021	1
5TG2 083					
Tops, see section		Page (ff.)			
Design / DELTA i-system / Communication		1/35			
Design / DELTA profil / Communication ¹⁾		5/41			
Design / DELTA style / Communication		6/31			
Note					
¹⁾ Cutout frames necessary					
	Modular Jack support plates, brown insert • Support plate with colored inserts for holding up to two Modular Jack plug-in connectors • For screw fixing • Mountable jacks: – ALCATEL ACS-410-010 / -020 / -030 – Siemon MX6-FS	5TG2 084		021	1
5TG2 084					
Tops, see section		Page (ff.)			
Design / DELTA i-system / Communication		1/35			
Design / DELTA profil / Communication ¹⁾		5/41			
Design / DELTA style / Communication		6/31			
Note					
¹⁾ Cutout frames necessary					
Inserts for fiber-optic outlet boxes from Telegärtner					
Note					
The OAD/S and OAD fiber optic outlet boxes with cover plate are compatible with the frames and intermediate frames of the DELTA line, DELTA vita and DELTA style design programs. The color titanium white (similar to RAL 9010) can be combined with Telegärtner's alpine white and the color electrical white (similar to RAL 1013) can be combined with Telegärtner's pearl white.					

Selection and ordering data

Version	Order No.	Price	PG	PS*/ P. unit
		1 unit		Unit(s)
General information				
Note	Section	Page		
Technical specifications for UAE outlet boxes, see ...	Technical Information / Communication / UAE outlet boxes	20/61		
Cover plates, with D-subminiature connection, single, in DELTA i-system design - For screw fixing - Plug-in connector with soldered connection				
Versions				
• 9-pole				
– titanium white (similar to RAL 9010)	5TG2 052		021	1
– electrical white (RAL 1013)	5TG2 040		021	1
• 15-pole				
– titanium white (similar to RAL 9010)	5TG2 053		021	1
– electrical white (RAL 1013)	5TG2 041		021	1
• 25-pole				
– titanium white (similar to RAL 9010)	5TG2 054		021	1
– electrical white (RAL 1013)	5TG2 042		021	1
Cover plates, with D-subminiature connection, double, in DELTA i-system design - For screw fixing - Plug-in connector with soldered connection Discontinued model				
Versions				
• 9-pole				
– titanium white (similar to RAL 9010)	5TG2 055		021	1
– electrical white (RAL 1013)	5TG2 043		021	1
• 15-pole				
– titanium white (similar to RAL 9010)	5TG2 060		021	1
– electrical white (RAL 1013)	5TG2 044		021	1
• 25-pole				
– titanium white (similar to RAL 9010)	5TG2 061		021	1
– electrical white (RAL 1013)	5TG2 045		021	1
Cover plates, with D-subminiature connection, single, in DELTA profil design - Screw fixing only - Plug-in connector with soldered connection Discontinued model				
Versions				
• 9-pole				
– titanium white (similar to RAL 9010)	5TG1 956		021	1/10
– pearl gray (similar to RAL 7035)	5TG1 985		021	1/10
– anthracite (similar to RAL 7016)	5TG1 971		021	1/10
• 15-pole				
– titanium white (similar to RAL 9010)	5TG1 957		021	1/10
– pearl gray (similar to RAL 7035)	5TG1 986		021	1/10
– anthracite (similar to RAL 7016)	5TG1 972		021	1/10
• 25-pole				
– titanium white (similar to RAL 9010)	5TG1 958		021	1/10
– pearl gray (similar to RAL 7035)	5TG1 987		021	1/10
– silver (similar to RAL 9006)	5TG1 954		021	1/10
– anthracite (similar to RAL 7016)	5TG1 973		021	1/10



5TG2 052



5TG2 055



5TG1 956

Inserts with cover plate

Version		Order No.	Price	PG	PS*/ P. unit
			1 unit		Unit(s)
 5TG1 348	Cover plates, with D-subminiature connection, single, in DELTA style design • Plug-in connector with soldered connection • Screw fixing only • Titanium white (similar to RAL 9010) • Discontinued model				
	Versions • 9-pole	5TG1 348		021	1/10
	• 15-pole	5TG1 350		021	1/10
	• 25-pole	5TG1 351		021	1/10
 5TG1 528	Cover plates, with D-subminiature connection, single, in DELTA ambiente design • 25-pole • Screw fixing only • Plug-in connector with soldered connection • Discontinued model				
	Versions • Arctic white (similar to RAL 9002)	5TG1 528		021	1/5
	• Cosmos gray (similar to RAL 7012)	5TG1 438		021	1/5
	• Royal blue (similar to RAL 5002)	5TG1 478		021	1/5
 5TG2 065	Cover plates, with BNC/TNC connection, single, in DELTA i-system design • With socket contacts • For screw and claw fixing • Crimp connection • 75 Ω • Discontinued model				
	Versions • Titanium white (similar to RAL 9010)	5TG2 065		021	1
	• Electrical white (RAL 1013)	5TG2 050		021	1
 5TG2 068	Cover plates, with BNC connection, double, in DELTA i-system design • With socket contacts • For screw and claw fixing • Crimp connection • 75 Ω				
	Versions • Titanium white (similar to RAL 9010)	5TG2 068		021	1
	• Electrical white (RAL 1013)	5TG2 067		021	1
 5TG1 965	Cover plates, with BNC/TNC connection, single, in DELTA profil design • With socket contacts • For screw and claw fixing • Crimp connection • 75 Ω • Discontinued model				
	Versions • Titanium white (similar to RAL 9010)	5TG1 965		021	1
	• Pearl gray (similar to RAL 7035)	5TG1 994		021	1
	• Anthracite (similar to RAL 7016)	5TG1 980		021	1
 5TG1 964	Cover plates, with BNC connection, double, in DELTA profil design • With socket contacts • For screw and claw fixing • Crimp connection • 75 Ω • Discontinued model				
	Versions • Titanium white (similar to RAL 9010)	5TG1 964		021	1
	• Pearl gray (similar to RAL 7035)	5TG1 993		021	1
	• Anthracite (similar to RAL 7016)	5TG1 978		021	1

Version	Order No.	Price 1 unit	PG	PS*/ P. unit Unit(s)
 Cover plates, with ACO mounting box (DIN), in DELTA i-system design - Shielded - For screw fixing - AMP connection - Discontinued model				
5TG2 035				
Cover plates, with ACO mounting box (DIN), in DELTA i-system design				
- Shielded - For screw fixing - AMP connection - Discontinued model				
Versions				
• Titanium white (similar to RAL 9010)	5TG2 035		021	1
• Electrical white (RAL 1013)	5TG2 031			
 Cover plates, with ACO mounting box (DIN), in DELTA i-system design - Shielded - For screw fixing - AMP connection - Discontinued model				
5TG1 970				
Cover plates, with ACO mounting box (DIN), in DELTA i-system design				
- Shielded - For screw fixing - AMP connection - Discontinued model				
Versions				
• Titanium white (similar to RAL 9010)	5TG1 970		021	1
• Pearl gray (similar to RAL 7035)	5TG1 998		021	1
• Anthracite (similar to RAL 7016)	5TG1 984		021	1
 Cover plates, with ACO mounting box (DIN), in DELTA style design - Shielded - For screw fixing - AMP connection - Discontinued model				
5TG1 355				
Cover plates, with ACO mounting box (DIN), in DELTA style design				
- Shielded - For screw fixing - AMP connection - Discontinued model				
Versions				
• Titanium white (similar to RAL 9010)	5TG1 355		021	1
• Basalt black (similar to RAL 7016)	—			
 Cover plates, for loudspeaker connection, in DELTA i-system design - With 2 loudspeaker outlets according to DIN 49529 - For screw and claw fixing - Screw connection - Discontinued model				
5TG2 562				
Cover plates, for loudspeaker connection, in DELTA i-system design				
- With 2 loudspeaker outlets according to DIN 49529 - For screw and claw fixing - Screw connection - Discontinued model				
Versions				
• Titanium white (similar to RAL 9010)	5TG2 562		021	1/10
• Electrical white (RAL 1013)	5TG2 592		021	1/10
• Aluminum metallic (similar to RAL 9006)	5TG1 255		021	1/10
• Carbon metallic (similar to RAL 7016)	5TG1 225		021	1/10
 Cover plates, for loudspeaker connection, in DELTA profil design - With 2 loudspeaker outlets according to DIN 49529 - For screw and claw fixing - Screw connection - Discontinued model				
5TG1 808				
Cover plates, for loudspeaker connection, in DELTA profil design				
- With 2 loudspeaker outlets according to DIN 49529 - For screw and claw fixing - Screw connection - Discontinued model				
Versions				
• Titanium white (similar to RAL 9010)	5TG1 808		021	1/10
• Pearl gray (similar to RAL 7035)	5TG1 868		021	1/10
• Silver (similar to RAL 9006)	5TG1 768		021	1/10
• Anthracite (similar to RAL 7016)	5TG1 838		021	1/10
• Champagne (similar to RAL 7048)	5TG1 708-1		021	1/10
• Bronze (similar to RAL 3012)	5TG1 748-1		021	1/10
• Tobacco (similar to RAL 8019)	5TG1 728-1		021	1/10

Inserts with cover plate

Version	Order No.	Price	PG	PS*/ P. unit
		1 unit		Unit(s)
 5TG1 606	Cover plates, for loudspeaker connection, in DELTA natur design • With 2 loudspeaker socket outlets according to DIN 49529 • With screw and claw fixing • Screw connection • Discontinued model			
	Versions			
	• Light oak	5TG1 606	021	1/5
	• Dark oak	5TG1 616	021	1/5
	• Maple red	5TG1 626	021	1/5
	• Maple	5TG1 656	021	1/5
	• Beech (color achieved through staining)	5TG1 686	021	1/5
	• Cherry (color achieved through staining)	5TG1 676	021	1/5
 5TG1 508	Cover plates, for loudspeaker connection, in DELTA ambiente design • With 2 loudspeaker socket outlets according to DIN 49529 • For screw and claw fixing • Screw connection • Discontinued model			
	Versions			
	• Arctic white (similar to RAL 9002)	5TG1 508	021	1/5
	• Cosmos gray (similar to RAL 7012)	5TG1 418	021	1/5
 5TG2 467-2	Loudspeaker outlet boxes, single • Loudspeaker outlet box with plug-in terminals (with screw-type terminals at rear) • Polarity color coded • Also suitable as outlet box for protective extra-low voltages			
	Technical specifications			
	Rear screw-type terminal:			
	• Solid Cu conductor	10 mm ²		
	• Flexible conductor with end sleeve	6 mm ²		
	Front terminal:			
	• Flexible Cu conductor without end sleeve	6 mm ²		
	• Highly flexible Cu conductor without end sleeve	4 mm ²		
 5TG2 468-2	Loudspeaker outlet boxes, double • Stereo loudspeaker outlet box with plug-in terminals (with screw-type terminals at rear) • Polarity color coded • Also suitable as outlet box for protective extra-low voltages			
	Technical specifications			
	Rear screw-type terminal:			
	• Solid Cu conductor	10 mm ²		
	• Flexible conductor with end sleeve	6 mm ²		
	Front terminal:			
	• Flexible Cu conductor without end sleeve	6 mm ²		
	• Highly flexible Cu conductor without end sleeve	4 mm ²		
	Rated voltage: 25 V AC, 60 V DC			

Selection and ordering data

Version	Order No.	Price	PG	PS*/ P. unit Unit(s)	
		1 unit			
General information					
Note					
All the modules shown here can be combined with the module carriers of the DELTA line, DELTA vita, DELTA miro, DELTA profil product ranges.					
 5TG9 874-1TW	UAE outlet boxes, Cat 3		5TG9 874-1TW	021 1/60	
	• Telephone socket outlet for modular system • KAT3 RJ11/12 with shutter • LSA-Plus connection method • Can only be used with module carrier, 1M or 2M • Titanium white (similar to RAL 9010)				
	Note	Section			Page
	Module carriers for DELTA line, DELTA vita and DELTA miro, see ...	<i>Design / DELTA m-system / Module carriers for DELTA line, DELTA vita and DELTA miro</i>			9/3
	Module carriers for DELTA profil, see ...	<i>Design / DELTA m-system / Module carriers for DELTA profil</i>			9/4
 5TG9 874-2TW	UAE outlet boxes, Cat 5		5TG9 874-2TW	021 1/60	
	• PC socket outlet for modular system • KAT5 RJ45 with shutter • LSA-Plus connection method • Can only be used with module carrier, 1M or 2M • Titanium white (similar to RAL 9010)				
	Note	Section			Page
	Module carriers for DELTA line, DELTA vita and DELTA miro, see ...	<i>Design / DELTA m-system / Module carriers for DELTA line, DELTA vita and DELTA miro</i>			9/3
	Module carriers for DELTA profil, see ...	<i>Design / DELTA m-system / Module carriers for DELTA profil</i>			9/4

**GAMMA wave –
The Multifunctional
Radio System**

IR-64K

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Introduction
Inserts
Complete assemblies
Complete assemblies

Remote Control Systems

GAMMA wave – The Multifunctional Radio System

Introduction

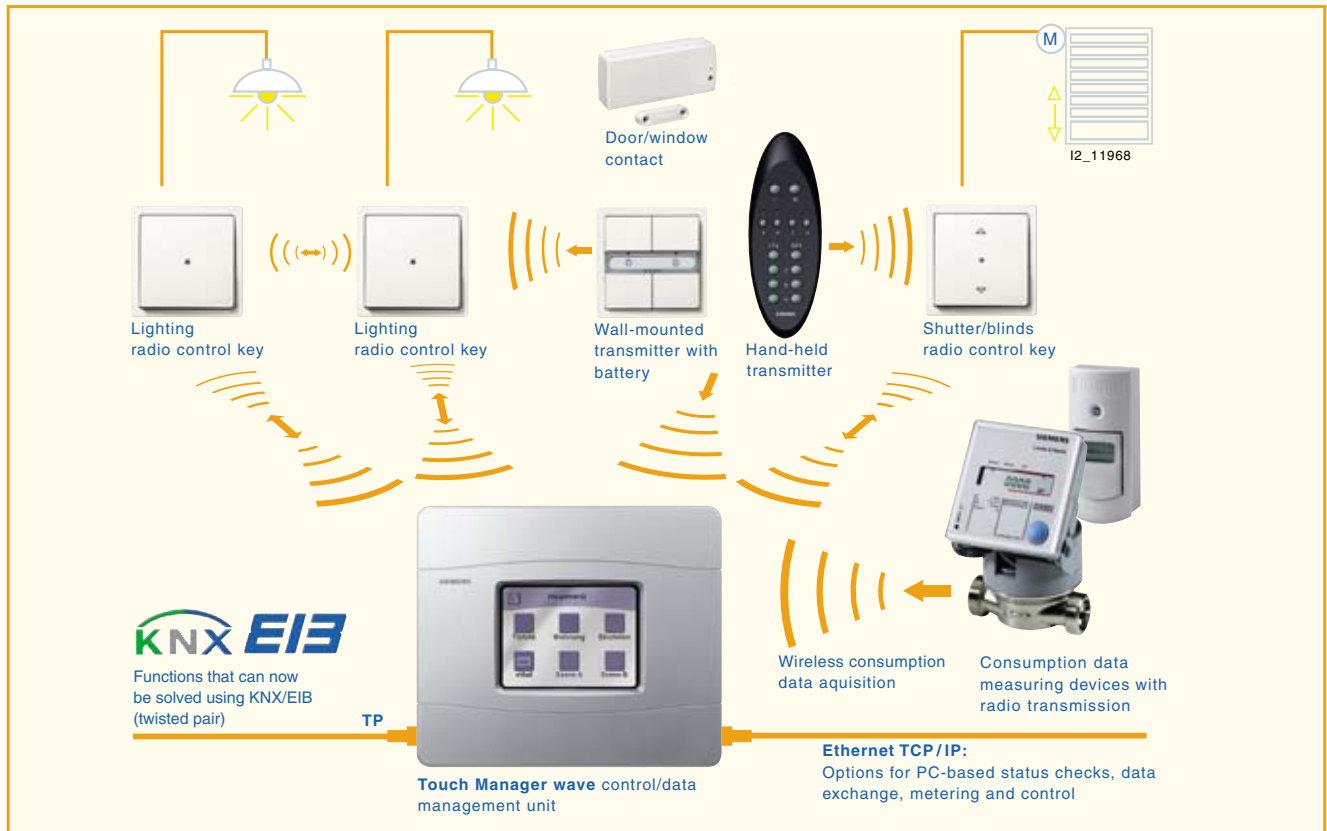
Overview

Enjoy all the advantages of a modern building management system without the need for additional cable installation – the new GAMMA wave radio system makes it possible.

Sensors, actuators, etc., do not require any additional cable installation. This means that this type of radio transmission is particularly suitable for renovation work, the expansion of existing systems and all types of new installations. And all complete with absolutely fail-safe and problem-free transmission.

The main feature: GAMMA wave is a unique bi-directional radio system – this means that the products and components can be both transmitter and receiver.

And: GAMMA wave is based on the new, uniform standard for building controls KNX in the 868 MHz range.

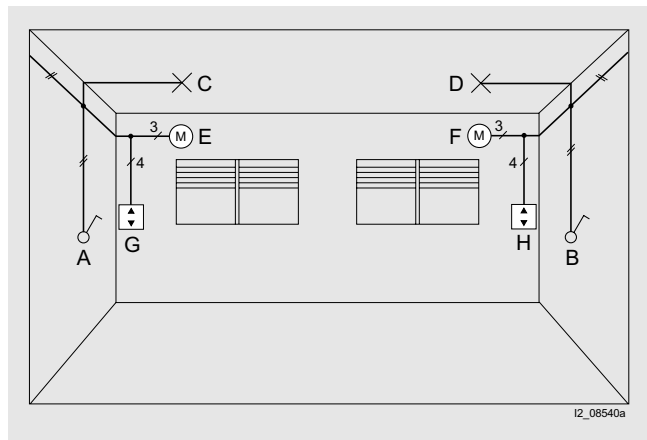


Remote Control Systems

GAMMA wave – The Multifunctional Radio System

Introduction

Before: Lighting and shutter/blind control of a conventional installation



Example of a conventional installation with lighting and electrically operated shutters/blinds.

- Light (C) can only be switched with switch (A).
- Light (D) can only be switched with switch (B).
- Blind (E) can only be operated by switch (G).
- Blind (F) can only be operated by switch (H).

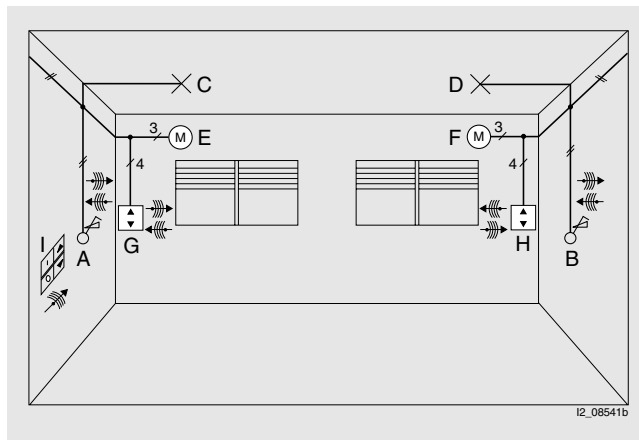
Advantages

- Standard technology

Disadvantages

- Inflexible
- No operational ease (each source must be operated separately).

After: Lighting and shutter/blind control with GAMMA wave ("bi-directional" radio system)



Modification of the installation for shared operation of lighting and shutters/blinds from various operating points.

Replacement of conventional switch inserts (A, B) with

- Universal dimmer sys inserts
- UP 210 wave pushbutton

Replacement of conventional shutter/blind switches (G, H) with

- Shutter/blind control sys inserts
- UP 211 wave shutter/blind pushbutton

With this switch you can:

- Dim lights C and D from A and/or B
- Operate shutters/blinds E and F from G and/or H.

For additional operation of the lights and shutters/blinds,

- A UP 110 (I) wave wall-mounted battery transmitter with a mounted
- *instabus* pushbutton, double

can be installed.

Advantages

- Flexible
- Greater operational ease
- Groups can be formed
- Fewer devices required/lower costs
- Simple and clean retrofitting - no structural alterations required.

Remote Control Systems

GAMMA wave – The Multifunctional Radio System

Introduction

Due to its implementation of state-of-the-art technology, the "wave" device range is ideally suited for the retrofitting and modification of room control functions in existing buildings.

These products offer simple installation and commissioning, thus enabling the wireless remote control of switching, dimming and shutter/blind/scene functions.

The system operates in the 868 MHz fail-safe frequency band that is reserved for safety and system applications. A sensor can control an unlimited number of actuators within its range (e.g. enclosed living unit), whereby each radio-linked actuator channel of up to 10 sensors can be operated in different groups.

As well as wave pushbuttons for lighting control and wave shutter pushbuttons for shutter/blind control, the range includes numerous wall-mounted transmitters, hand-held transmitters, door/window contacts and smoke detectors.

The wave and wave shutter/blind pushbuttons must be used in combination with the universal dimmer sys inserts or sys switching inserts and shutter/blind control sys inserts. This enables the local operation and remote control of the inserts contained in these product lines, as well as the remote control of additional KNX radio-linked universal dimmers or switching or shutter/blind control sys inserts.

The *instabus* pushbuttons (single or double) must be plugged as an operator interface on the wave wall-mounted transmitters. In accordance with their intended purpose, the pushbutton rockers enable remote control of the universal dimmer sys inserts, switching inserts or shutter/blind control sys inserts, which are equipped with the wave pushbutton.

The device contact units are fitted with fixing claws and have a maximum mounting depth of 32 mm. This greatly facilitates mounting standard flush-mounting switch boxes.

GAMMA wave device product range

	Operator interfaces				
	sys pushbuttons	UP 210 wave pushbutton	Shutter/blind sys pushbuttones	UP 211 wave shutter/blind pushbutton	<i>instabus</i> pushbuttons, single, double
Inserts					
Universal dimmer sys inserts	✓	✓	--	--	--
sys switching inserts	--	✓	--	--	--
Shutter/blind control sys inserts	--	--	✓	✓	--
UP 110 wave wall-mounted battery transmitters	--	--	--	--	✓
UP 110 wave wall-mounted transmitters 230 V	--	--	--	--	✓
Actuator UP 560 wave wall-mounted transmitters 230 V	--	--	--	--	✓

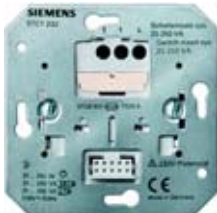
Selection and ordering data

		Order No.	Price	PG	PS*/ P. unit
			1 unit		Unit(s)
 5WG3 141-2AB01	UP 141 repeaters wave • Radio transmitter/receiver • Sends on each correctly received radio telegram • For installation in flush-mounting switch boxes • A repeater is needed in large residential units or houses when radio telegrams are so weakened by walls, ceilings or furniture that an assigned receiver is no longer able to receive the telegrams properly • The repeater is powered from the 230 V supply • Hole pitch 71 mm • Mounting depth 32 mm • A blanking cover plate is used as the top	5WG3 141-2AB01		030	1
	Tops, see section				
	Design / DELTA i-system / Accessories and spare parts				
	Design / DELTA profil / Accessories and spare parts				
	Design / DELTA style / Accessories and spare parts				
 5WG3 110-2AB11	UP 110 wave wall-mounted transmitters 230 V • Radio transmitter for the wireless operation of room functions • For installation in flush-mounting switch boxes • An <i>instabus</i> KNX/EIB single or double pushbutton is plugged on as operator interface and connected to the insert by means of a 10-pole plug-in connection • The following functions can be parameterized: switching, dimming, shutter/blind and scene • The wall-mounted transmitter is powered from the 230 V supply • Hole pitch 71 mm • Mounting depth 32 mm	5WG3 110-2AB11		030	1
	Tops, see section				
	Design / DELTA profil / GAMMA <i>instabus</i>				
	Design / DELTA style / GAMMA <i>instabus</i>				
 5WG3 110-2AB01	UP 110 wave wall-mounted battery transmitters • Radio transmitter for the wireless operation of room functions • For installation in flush-mounting switch boxes • An <i>instabus</i> KNX/EIB single or double pushbutton is plugged on as operator interface and connected to the insert by means of a 10-pole plug-in connection • The following functions can be parameterized: switching, dimming, shutter/blind and scene • The wall-mounted transmitter is powered by a 1/2 AA 3.6 V lithium battery • Hole pitch 71 mm • Mounting depth 24 mm	5WG3 110-2AB01		030	1
	Tops, see section				
	Design / DELTA profil / GAMMA <i>instabus</i>				
	Design / DELTA style / GAMMA <i>instabus</i>				

Remote Control Systems

GAMMA wave – The Multifunctional Radio System

Inserts

		Order No.	Price	PG	PS*/ P. unit
			1 unit		Unit(s)
 5TC1 232	sys switching inserts, 25 ... 250 VA - The sys switching insert is a flush-mounting device for switching different electrical consumers, such as - incandescent lamps - HV halogen lamps - LV halogen lamps with conventional transformer - LV halogen lamps with electronic transformer - It is operated by means of the <i>UP 210 wave pushbutton</i>	5TC1 232		024	1
	Tops, see section				
	Design / DELTA i-system / Switches and pushbuttons				
	Design / DELTA profil / Switches and pushbuttons				
	Design / DELTA style / Switches and pushbuttons				
	Product features				
	2-wire connection method				
	Spare fuse at the fuse holder				
	Overload protection (thermal release)				
	Extension unit operation by conventional pushbuttons without glow lamps				
	Technical specifications				
	Short-circuit protection by miniature fuse				
	Number of extension units				
	Extension unit cable (total)				
	Rated voltage				
 5TC1 233	sys switching inserts, 15 ... 500 VA - The sys switching insert is a flush-mounting device for switching different electrical consumers, such as - incandescent lamps - HV halogen lamps - LV halogen lamps with conventional transformer - LV halogen lamps with electronic transformer - It is operated by means of the <i>UP 210 wave pushbutton</i>	5TC1 233		024	1
	Tops, see section				
	Design / DELTA i-system / Switches and pushbuttons				
	Design / DELTA profil / Switches and pushbuttons				
	Design / DELTA style / Switches and pushbuttons				
	Product features				
	2-wire connection method				
	Spare fuse at the fuse holder				
	Overload protection (thermal release)				
	Extension unit operation by conventional pushbuttons without glow lamps				
	Technical specifications				
	Short-circuit protection by miniature fuse				
	Number of extension units				
	Extension unit cable (total)				
	Rated voltage				
	Connected load				
	• Incandescent lamp rating				
	• Conventional transformers (except toroidal-core transformers)				
	• Toroidal-core transformers				

Remote Control Systems

GAMMA wave – The Multifunctional Radio System

Inserts

		Order No.	Price	PG	PS*/ P. unit																
			1 unit		Unit(s)																
 5WG3 560-2AB01	Actuator UP 560 wave wall-mounted transmitters 230 V • Radio transmitter for the wireless operation of room functions, which is also equipped with a switch actuator for 230 V / 6 A • For installation in flush-mounting switch boxes • An <i>instabus</i> KNX/EIB single or double pushbutton is plugged on as operator interface and connected to the insert by means of a 10-pole plug-in connection • The following functions can be parameterized: switching, dimming, shutter/blind and scene • As an additional function the switch actuator can be operated as a time switch with an adjustable overrun time in the range from 1 ... 60 mins • 6 A rated current for resistive load at 230 V AC • Hole pitch 71 mm • Mounting depth 32 mm <table><tr><th>Tops, see section</th><th>Page</th></tr><tr><td><i>Design / DELTA profil / GAMMA instabus</i></td><td>5/34</td></tr><tr><td><i>Design / DELTA style / GAMMA instabus</i></td><td>6/25</td></tr></table>	Tops, see section	Page	<i>Design / DELTA profil / GAMMA instabus</i>	5/34	<i>Design / DELTA style / GAMMA instabus</i>	6/25	5WG3 560-2AB01		030	1										
Tops, see section	Page																				
<i>Design / DELTA profil / GAMMA instabus</i>	5/34																				
<i>Design / DELTA style / GAMMA instabus</i>	6/25																				
 5TC1 230	Universal dimmer sys inserts • Flush-mounting insert for switching and dimming different electronic loads • It is operated by means of the <i>sys pushbutton</i> or <i>UP 210 wave pushbutton</i> • For claw and screw fixing • Screw-type terminals • 2-wire connection method • Automatic load detection • Lamp-kind soft-start • Storing and switching on at one brightness value • Memory value retained even after power failure • Electronic short-circuit protection and overtemperature protection • On elimination of the short-circuit/cooling, automatic return to normal mode • Extension unit operation by conventional pushbuttons • Number of extension units: unlimited • Rated voltage: 230 V AC, 50 Hz • Connected load, incandescent lamp rating: 50 ... 420 W • Connected load of conventional transformers: 50 ... 420 VA • Connected load of electronic transformers: 70 ... 420 VA • Only mixed loads between incandescent lamp ratings and electronic transformers are permissible. <table><tr><th>Symbol</th><th>Tops, see section</th><th>Page (ff.)</th></tr><tr><td rowspan="3"></td><td><i>Design / DELTA i-system / Dimmers</i></td><td>1/27</td></tr><tr><td><i>Design / DELTA profil / Dimmers</i></td><td>5/27</td></tr><tr><td><i>Design / DELTA style / Dimmers</i></td><td>6/20</td></tr><tr><th>Note</th><th>Section</th><th>Page</th></tr><tr><td>Technical Specifications, see ...</td><td><i>Technical Information / Dimmers / Universal dimmer sys inserts</i></td><td>20/16</td></tr></table>	Symbol	Tops, see section	Page (ff.)		<i>Design / DELTA i-system / Dimmers</i>	1/27	<i>Design / DELTA profil / Dimmers</i>	5/27	<i>Design / DELTA style / Dimmers</i>	6/20	Note	Section	Page	Technical Specifications, see ...	<i>Technical Information / Dimmers / Universal dimmer sys inserts</i>	20/16	5TC1 230		024	1
Symbol	Tops, see section	Page (ff.)																			
	<i>Design / DELTA i-system / Dimmers</i>	1/27																			
	<i>Design / DELTA profil / Dimmers</i>	5/27																			
	<i>Design / DELTA style / Dimmers</i>	6/20																			
Note	Section	Page																			
Technical Specifications, see ...	<i>Technical Information / Dimmers / Universal dimmer sys inserts</i>	20/16																			

Remote Control Systems

GAMMA wave – The Multifunctional Radio System

Inserts

		Order No.	Price	PG	PS*/ P. unit
			1 unit		Unit(s)
 5TC1 231	Shutter/blind control sys inserts		5TC1 231	024	1
	• For controlling a shutter/blind motor with mechanical or electronic limit switches • Flush-mounting devices • Operation is by means of <i>shutter/blind sys pushbuttons</i> and <i>UP 211 wave shutter/blind pushbuttons</i>				
	Product features				
	2 electric safety locking relays with a minimum switchover time of 1 s				
	Group and central controls through combination of several shutter/blind control sys inserts				
	The "wind alarm" safety function can be implemented through the UP secondary input				
	Multiphase operation possible (i.e. different phases at the main and secondary branches)				
	Jumpering of power failures less than 0.2 s				
	Conventional shutter/blind pushbutton (5TA2 114) or switch (5TA2 154) can be connected over secondary inputs				
	Number of extension units: unlimited				
	Rated voltage: 230 V AC, 50 Hz (N conductor required)				
	Connected load: max. 1 motor up to 1000 VA.				
	Tops, see section	Page (ff.)			
	Design / DELTA i-system / Shutter/Blind Controls	1/13			
	Design / DELTA profil / Shutter/Blind controls	5/16			
	Design / DELTA style / Shutter/Blind Controls	6/13			
Note	Section	Page			
Technical Specifications, see ...	Technical Information / Shutter/Blind Controls / Shutter/blind control sys inserts	20/48			

Remote Control Systems

GAMMA wave – The Multifunctional Radio System

Complete assemblies

Selection and ordering data

Version	Order No.	Price	PG	PS*/ P. unit
		1 unit		Unit(s)
 5WG3 260-3AB11 AP 260 wave door/window contacts • Surface-mounting device with integrated radio transmitter which detects the opening and closing of windows and doors and signals the condition by wireless means • In addition to an integrated reed relay contact, which is triggered by means of a magnet fitted to the window, it is also possible to connect one or more conventional window contacts in series • Powered by a lithium battery (1/2 AA 3.6 V); a battery is supplied with the device • 87 mm x 36 mm x 27 mm Versions • Titanium white • Brown	5WG3 260-3AB11		030	1
	5WG3 260-3AB81		030	1
 5WG3 261-3AB11 AP 261 wave binary inputs • Radio transmitter with a sensor channel, designed as surface-mounting device • As well as the integrated reed contact, which transmits switching commands over radio when the binary input opens and closes, it is also possible to connect an external contact. • Used together with pushbuttons UP 210 wave and the actuator UP 560 wave wall-mounted transmitter 230 V, these switching commands (ON/OFF) allow control of all switchable actuators, such as sys inserts or Universal dimmer sys inserts. • Powered by a lithium battery (1/2 AA 3.6 V); a battery is supplied with the device • 87 mm x 36 mm x 27 mm • Titanium white	5WG3 261-3AB11		030	1
 5WG3 425-7AB21 S 425 wave hand-held transmitters • 17-channel radio transmitter for the wireless operation of 16 different room functions that can be triggered by means of 4 pushbutton pairs and 4 preselect pushbuttons • For better clarity there is also a separate pushbutton pair for a central function • The following functions can be parameterized: switching, dimming, shutter/blind and scene • Powered by two batteries (LR03/AAA 1.5 V), batteries supplied with the device Versions • Black • Silver	5WG3 425-7AB21		030	1
	5WG3 425-7AB71		030	1
 5WG3 564-7AB11 S 564 wave socket outlet switches  • Titanium white • With socket outlet and integrated switch actuator • With relay contact designed for 230 V AC, 16 A (resistive load) • With KNX radio transmitter/receiver for 868 MHz for the remote control of the switch actuator • With pushbutton for local operation and commissioning; no additional aids are needed • With LED for displaying switching status • For plugging into a Schuko socket outlet • Powered over socket outlet • Dimensions (HxWxD): 128 x 72 x 74 mm	5WG3 564-7AB11		030	1

* You can order this quantity or a multiple thereof.

Remote Control Systems

IR-64K

Complete assemblies

Overview



Applications

Industry

- Test bays
- Mining
- Mechanical engineering systems
- Elevators
- Traveling trolleys
- Crane systems
- Loading equipment
- Lifting platforms

Non-residential buildings

- Sound studio applications
- Rotor aerials
- Screens
- Multimedia shows
- Lecture rooms

Outdoor areas

- Residential areas
- Stadiums
- Sports grounds
- Sports equipment (automatic shooting facilities, ball throwing machines)
- Swimming pools (lighting, covering)

Special applications

- Installation in damp locations
- Call systems in catering premises
- Customized IR controls

Modern infrared technology offers a wide range of applications as well as ease of operation, security and lower costs during installation. Not only do they enhance and improve well-known technologies, they also offer greater warmth, flexibility and comfort in the workplace. The modular design and handling of the system is uncomplicated and offers maximum insensitivity to interference during transmission of the control signals through infrared light.

The IR-64K infrared remote control system uses this technology. The system offers a broad range of unit combinations and expansion options for many fields of application. The IR-64K system is a module and device system for all kinds of remote control based on infrared technology with ranges of up to 50 m. There are none of the usual interferences, thanks to the high propagation rate. The 9-bit pulse code modulation (PCM) used in the IR-64K system has an extremely high interference immunity against other remote control systems, such as ultrasonic or radio.

The IR-64K system covers the entire range of IR applications. The product range comprises hand-held transmitters that can be encoded with up to 64 channels, receiver preamplifiers, decoders, circuit-breakers with 4 or 8 outputs and corresponding power supply units. The range is rounded off with compact systems with up to 8 switching functions. The modules enable problem-free setup of remote controls for simple switching functions through to complex applications. The modules are suitable for installation in devices and systems, for external mounting and as device accessories.

The system devices and modules have the BZT registration number G105 376C/IW.

Combination options

The components can be used in any combination, your choice depends largely on the type of application and local conditions.

Hand-held transmitters

The hand-held transmitters vary in design, number of pushbuttons and the type of command encoding.

Receiver preamplifiers

The receiver preamplifiers can be operated on all decoders and compact systems of the IR-64K system. In order to ensure selection of the correct preamplifier, it is important to take the reception, installation, operating and environmental conditions into consideration.

Decoders

The decoders vary in design, number of receiver preamplifier inputs, type of signal outputs and operational voltage. All modules can be encoded using the DIL switch.

Further expansion modules are also available which allow extension of the system to up to 64 channels.

Power electronics assemblies

To increase the switching capacity at the outputs of the decoder and the expansion module, a range of power electronics assemblies are available, which vary in their switching capacity, number of outputs and operational voltage.

Compact systems

In the compact systems, all key components are combined in a single enclosure and on a single module. They comprise decoders, power supply units and power outputs with potential-free changeover contacts.

Power supply units

The modules are powered by the power supply units. They supply a controlled voltage of 12 V at a load of 500 mA or 1.0 A.

Selection and ordering data

Version			Order No.	Price	PG	PS*/ P. unit
				1 unit		Unit(s)
General information						
Note		Section	Page			
Technical Specifications, see ...		Technical Information / Remote Controls/IR-64K		20/65		
	Mini hand-held transmitters, 4-channel • IP30 • Dimensions: 73 mm x 43.5 mm x 18.5 mm high • 256 commands can be coded for each pushbutton		5TC6 107		024	1
	Hand-held transmitters, 2-channel  • IP30 • Dimensions: 155 mm x 40 mm, 22.5 mm high • 256 commands can be coded for each pushbutton		5TC6 117		024	1
Note						
Replacement for 5TC6 100						
	Hand-held transmitters, 4-channel  • IP30 • Dimensions: 155 mm x 40 mm, 22.5 mm high • 256 commands can be coded for each pushbutton • Can be coded for use as replacement transmitter for INFRAFERN		5TC6 118		024	1
Note						
Replacement for 5TC6 190 and 5TC6 101						

Remote Control Systems

IR-64K

Complete assemblies

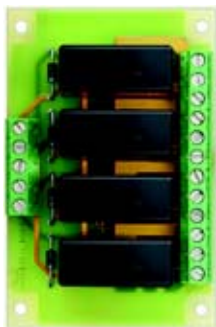
Version		Order No.	Price 1 unit	PG	PS*/ P. unit Unit(s)												
 5TC6 120	Hand-held transmitters, 8-channel  • IP30 • Dimensions: 155 mm x 40 mm, 22.5 mm high • 256 commands can be coded for each pushbutton • Can be coded for use as replacement transmitter for INFRAFERN Note Replacement for 5TC6 191 and 5TC6 102	5TC6 120		024	1												
 5TC6 121	Hand-held transmitters, 8x8-channel  • IP30 • Dimensions: 155 mm x 40 mm, 22.5 mm high • 256 commands can be coded for each pushbutton • With rotary selector switch A-H Note Replacement for the following hand-held transmitters: • 8x8-channel 5TC6 103 • 20-channel 5TC6 104 • 35-channel 5TC6 105 • 53-channel 5TC6 106																
 5TC6 900	Wall-mounting brackets for "hand-held transmitters" and "spare hand-held transmitters" Note Wall-mounting brackets can be used for the following hand-held transmitters: <table><tr><td>• 5TC6 100</td><td>• 5TC6 117</td></tr><tr><td>• 5TC6 101</td><td>• 5TC6 118</td></tr><tr><td>• 5TC6 102</td><td>• 5TC6 120</td></tr><tr><td>• 5TC6 103</td><td>• 5TC6 121</td></tr><tr><td>• 5TC6 190</td><td></td></tr><tr><td>• 5TC6 191</td><td></td></tr></table>	• 5TC6 100	• 5TC6 117	• 5TC6 101	• 5TC6 118	• 5TC6 102	• 5TC6 120	• 5TC6 103	• 5TC6 121	• 5TC6 190		• 5TC6 191		5TC6 900		024	1
• 5TC6 100	• 5TC6 117																
• 5TC6 101	• 5TC6 118																
• 5TC6 102	• 5TC6 120																
• 5TC6 103	• 5TC6 121																
• 5TC6 190																	
• 5TC6 191																	
 5TC6 114	Industrial hand-held transmitters, 2-channel  • IP54 • 256 commands can be coded for each pushbutton • Dimensions: 157 mm x 63 mm, 23 mm high Note Replacement for 5TC6 110																
 5TC6 115	Industrial hand-held transmitters, 4-channel  • IP54 • 256 commands can be coded for each pushbutton • Dimensions: 157 mm x 63 mm, 23 mm high Note Replacement for 5TC6 111	5TC6 115		024	1												
 5TC6 116	Industrial hand-held transmitters, 8-channel  • IP54 • 256 commands can be coded for each pushbutton • Dimensions: 157 mm x 63 mm, 23 mm high Note Replacement for 5TC6 112																

Version	Order No.	Price 1 unit	PG	PS*/ P. unit Unit(s)
 5TC6 200	Receiver preamplifiers, reception lens on front, metal enclosure IP20	5TC6 200	024	1
 5TC6 201	Receiver preamplifiers, reception lens on side, metal enclosure IP20	5TC6 201	024	1
 5TC6 202	Receiver preamplifiers, focussing lens on front, metal enclosure IP30	5TC6 202	024	1
 5TC6 203	Receiver preamplifiers, focussing lens on side, metal enclosure IP30	5TC6 203	024	1
 5TC6 204	Receiver preamplifiers, focussing lens on front, encapsulated IP65	5TC6 204	024	1

Remote Control Systems

IR-64K

Complete assemblies

	Version	Order No.	Price	PG	PS*/ P. unit Unit(s)
			1 unit		
	Receiver preamplifiers, focussing lens on side, encapsulated IP65	5TC6 205		024	1
5TC6 205					
	Decoders, 8-channel 12 V DC	5TC6 250		024	1
5TC6 250					
	Decoders, 8-channel expandable • 12 V/24 V DC • Maximum four 5TC6 252 expansion modules can be operated with one decoder	5TC6 251		024	1
5TC6 251					
	Expansion modules for "decoders, 8-channel expandable" 16-channel, 10 ... 28 V DC	5TC6 252		024	1
5TC6 252					
	Circuit-breakers, 4 inputs/outputs, 12 V DC 16 A	5TC6 300		024	1
5TC6 300					

Version	Order No.	Price 1 unit	PG	PS*/ P. unit Unit(s)
 Circuit-breakers, 4 inputs/outputs, 24 V DC 16 A	5TC6 301		024	1
 Plug-in power supply units • 230 V AC/12 V DC, 0.5 A • With Euro plug • Dimensions: 64 mm x 95 mm x 46 mm	5TC6 330		024	1
 Power supply units • 230 V AC/12 V DC, 1 A • For wall mounting • Dimensions: 79 mm x 149 mm x 63 mm	5TC6 331		024	1
 Compact systems, 8-channel • 230 V AC / 50 Hz, IP65 • With power supply units • Without receiver preamplifiers • 4 preamplifier inputs, 8 power relay outputs • Expansion to more than 8 channels • Through parallel switching of 5TC6 380 • Dimensions: 115 mm x 325 mm x 250 mm	5TC6 380		024	1
 Compact systems, 2-channel • 230 V AC / 50 Hz, IP65 • With power supply units • Without receiver preamplifiers • 2 preamplifier inputs, 2 power relay outputs • Expansion to 4 channels • Through parallel switching of 5TC6 383 • Dimensions: 62 mm x 168 mm x 123 mm	5TC6 383		024	1

Remote Control Systems

IR-64K

Notes



18/2

Surface-mounting motion detectors

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Smoke detectors

Surface-mounting motion detectors

Selection and ordering data

Version	Order No.	Price	PG	PS*/ P. unit																																				
		1 unit		Unit(s)																																				
 5TC7 210 (front view)  5TC7 210 (side view) Motion detectors IP55  • Assembly height: 2 ... 4 m, ideally 2.50 m • Wall or ceiling mounting • Range – 120° approx. 10 m – 290° approx. 16 m • Degree of protection IP55 • Surface mounting with plug-in terminals, after quick and easy wiring, the alarm is simply plugged in • Easy two-pushbutton operation: – storage of user-definable brightness value – storage of a user-definable delay time between 5 s and 30 min – test mode for commissioning – switchover to brightness-independent mode and pulse mode – resetting of detector to 7 lux and 2 min delay time • Rear view monitoring (290° types only) • Automatic range stabilization (290° types only) • Automatic maloperation suppression • Artificial light suppression (glare shield) • Control via NC pushbutton • Rated voltage: 230 V AC, 50/60 Hz • Output: one NO contact, non-isolated • Switching capacity: 120° – incandescent lamps and HV halogen lamps: 1000 W 5 AX – fluorescent lamps: 8 x 58 W – energy-saving lamps: max. 4 units • Switching capacity: 290° and 290° IR – incandescent lamps and HV halogen lamps: 2300 W 10 AX – fluorescent lamps: 20 x 58 W – energy-saving lamps: max. 8 units • Temperature range: -25 °C to 55 °C • Dimensions: (H X W X D): 80 mm x 82 mm x 182 mm <table><tr><th colspan="3">Versions</th></tr><tr><td>• 120°</td><td></td><td></td></tr><tr><td>– titanium white (similar to RAL 9010)</td><td></td><td>5TC7 210</td></tr><tr><td>– anthracite</td><td></td><td>5TC7 211</td></tr><tr><td>• 290°</td><td></td><td></td></tr><tr><td>– titanium white (similar to RAL 9010)</td><td></td><td>5TC7 212</td></tr><tr><td>– anthracite</td><td></td><td>5TC7 213</td></tr><tr><td>• 290° IR (incl. IR remote control)</td><td></td><td></td></tr><tr><td>– titanium white (similar to RAL 9010)</td><td></td><td>5TC7 214</td></tr><tr><td>– anthracite</td><td></td><td>5TC7 215</td></tr></table><table><tr><th>Note</th><th>Section</th><th>Page</th></tr><tr><td>For further technical information, see ...</td><td>Technical Information</td><td>20/29</td></tr></table>	Versions			• 120°			– titanium white (similar to RAL 9010)		5TC7 210	– anthracite		5TC7 211	• 290°			– titanium white (similar to RAL 9010)		5TC7 212	– anthracite		5TC7 213	• 290° IR (incl. IR remote control)			– titanium white (similar to RAL 9010)		5TC7 214	– anthracite		5TC7 215	Note	Section	Page	For further technical information, see ...	Technical Information	20/29				
Versions																																								
• 120°																																								
– titanium white (similar to RAL 9010)		5TC7 210																																						
– anthracite		5TC7 211																																						
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– titanium white (similar to RAL 9010)		5TC7 214																																						
– anthracite		5TC7 215																																						
Note	Section	Page																																						
For further technical information, see ...	Technical Information	20/29																																						
 5TC7 900 Special bases for "IP55 motion detector"  • For outside or inside-angle mounting • Cable entry surface or flush-mounted • Dimensions: (H X W X D): 64 mm x 88 mm x 105 mm <table><tr><th colspan="3">Versions</th></tr><tr><td>• Titanium white (similar to RAL 9010)</td><td></td><td>5TC7 900</td></tr><tr><td>• Anthracite</td><td></td><td>5TC7 901</td></tr></table>	Versions			• Titanium white (similar to RAL 9010)		5TC7 900	• Anthracite		5TC7 901																															
Versions																																								
• Titanium white (similar to RAL 9010)		5TC7 900																																						
• Anthracite		5TC7 901																																						
 5TC7 902 Remote controls for "IP55 motion detector"  • Infrared remote control • Range: approx. 5 m • Functions – vacation function / presence – continuous ON (4h) / normal mode – test mode – programming of brightness value and delay time – switchover to brightness-independent mode and pulse mode – programming of a 10 min delay time – resetting of detector to 7 lux and 2 min delay time • Power supply through CR2025 lithium button cell, included in delivery • Dimensions: (H X W X D): 87 mm x 40 mm x 6 mm	5TC7 902																																							

Selection and ordering data

Version		Order No.	Price 1 unit	PG	PS*/ P. unit Unit(s)
 5TC1 290	Battery smoke detectors - The smoke detector detects smoke from fires and gives early warning. - In addition to using the smoke detector on its own, it is also possible to network up to 40 smoke detectors of the same make using a two-wire cable - The smoke detector can also be equipped with a plug-in smoke detector module relay for external alarm sensors (e.g. a horn, flashing light) or a wave uni plug-in smoke detector module for radio transmission (GAMMA wave)				
	Versions				
	• Titanium white (similar to RAL 9010)	5TC1 290		024	1
	• Aluminum metallic (similar to RAL 9006)	5TC1 293		024	1
	• Tobacco (similar to RAL 8019)	5TC1 294		024	1
	Technical specifications				
	Power supply	3 x 1.5 V alkaline mignon, AA batteries Service life typically 5 years			
	Networking	up to 40 smoke detectors with 2-core cable, e.g. J-Y(St)Y 2 x 2 x 0.6 mm, total length of cable up to 400 m			
	Signaling	acoustic signaling device: horn > 85 dB(A) optical indicator: red LED			
	Temperature range	0 ... +50 °C			
 5TC1 295	Dimensions (Ø x H)	120 mm x 44 mm			
	Weight (without battery)	148 g			
	Mounting	surface mounting with or without spacer			
	Degree of protection	IP30			
	Certification	VdS certification to prEN 14604:2002			
	Note	The smoke detector can be fitted with a pluggable relay or radio module. Interconnection (networking) may only be carried out with devices of the same type, otherwise malfunction may occur.			
	SD9 smoke detectors	5TC1 295		024	1
	- Battery operated smoke detector with VdS certification (single device) - The smoke detector detects smoke from fires and gives early warning. - Battery change display for 30 days - Battery compartment check - Acknowledgement and test pushbutton for function test - Titanium white (similar to RAL 9010)				
	Technical specifications				
	Power supply	9 V battery (included in delivery)			
	Signaling	acoustic signaling device: horn > 85 dB(A) optical indicator: red LED			
	Temperature range	0 +50 °C			
	Dimensions (Ø x H)	110 mm x 60 mm			
	Mounting	surface mounting			
	Degree of protection	IP30			
	Certification	VdS certification to EN 14604:10/05			

Smoke detectors

Version		Order No.	Price	PG	PS*/ P. unit
			1 unit		Unit(s)
 5TC1 296	SD230N smoke detectors • 230 V-operated smoke detector incl. 9 V backup battery with VdS certification (suitable for networking) • The smoke detector detects smoke from fires and gives early warning. • As well as using the smoke detector on its own, it is also possible to network up to 38 smoke detectors of the same type • Battery change display for 30 days • Battery compartment check • Test pushbutton for function test • Titanium white (similar to RAL 9010)		5TC1 296	024	1
	Technical specifications				
	Power supply	230 V AC and 9 V backup battery (included in delivery)			
	Networking	up to 38 smoke detectors of the same type			
	Signaling	acoustic signaling device: horn > 85 dB(A) optical indicator: red LED			
	Temperature range	0 +50 °C			
	Dimensions (Ø x H)	110 mm x 60 mm			
	Mounting	surface mounting with or without surface-mounting box (see accessories)			
	Degree of protection	IP30			
	Certification	VdS certification to EN 14604:10/05			
 5TC1 297	Outlet boxes for "SD230N smoke detectors" • Surface-mounting box for SD230N smoke detector • Dimensions: 93 mm x 27 mm • The outlet box is required if no flush-mounting box to hold the 230 V connector is provided • Titanium white (similar to RAL 9010)		5TC1 297	024	1
 5TC1 291	Smoke detector module relays • The battery smoke detector can also be equipped with a relay module • That enables the operation of alarm devices such as horns, sirens, warning lights etc. or connection to the GAMMA <i>instabus</i> • The potential-free changeover contact (NC contact and NO contact) can also be used to set up closed-circuit protection (alarm loops with NC contact) • The contacts of the relay are configured through a triple plug-in terminal • The relay module is powered (3 to 5 V) through the interface of the smoke detector		5TC1 291	024	1
	Technical specifications				
	Operational voltage	3 ... 5 V			
	Relay switching voltage	max. 30 V DC / 42 V AC			
	Relay switching current	max. 1 A DC / 0.5 A AC			
	Relay contacts	changeover contact (NC and NO contacts)			
	Terminals	max. 0.6 mm Ø			
	Mounting	can only be used in the battery smoke detector			
	Connection	by 8-pole plug connector			
	Note				
The externally connected signaling devices must have their own power supply.					

Smoke detectors

Version		Order No.	Price	PG	PS*/ P. unit
			1 unit		Unit(s)
 5WG3 255-8AB01	M 255 wave uni smoke detector modules		5WG3 255-8AB01	030	1
	• The M 255 wave uni smoke detector module is a radio module for inserting in the DELTA reflex battery smoke detector • In addition to the local alarm raised at the smoke detector itself, a radio-transmitted smoke alarm can also be displayed and relayed to other receivers, e.g. by the wave Touch Manager • The battery status of the smoke detector can also be transmitted over radio • The smoke detector module is powered through the smoke detector				
	Technical specifications				
	Operational voltage	3 ... 5 V			
	Power supply	through the DELTA reflex battery smoke detector			
	Frequency band	868 MHz			
	Radio range	approx. 100 m in an open area; meets the KNX standard			
	Temperature range	0 ... +50 °C			
	Mounting	may only be used in DELTA reflex smoke detectors			
	Connection	by 8-pole plug connector			
	Note				
The wave smoke detector module is put into operation using a pushbutton fitted to the module; no additional aids are needed					

* You can order this quantity or a multiple thereof.

DELTA reflex

Notes



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19/3

Inserts
Accessories

Inserts

Selection and ordering data

Version		Order No.	Price 1 unit	PG	PS*/ P. unit Unit(s)
	DELTA UP 116 bus coupling units, center position, single	5WG1 116-2AB01		030	1
	- Without user interface - With screw and claw fixing				
	Tops, see section				
	<i>Design / DELTA profil / GAMMA instabus</i>				
	<i>Design / DELTA style / GAMMA instabus</i>				
	<i>Design / DELTA ambiente / Shutter/Blind controls</i>				
	<i>Design / DELTA ambiente / Switches and pushbuttons</i>				
	<i>Design / DELTA i-system / Switches and pushbuttons</i>				
	DELTA UP 116 bus coupling units, center position, double	5WG1 116-2AB11		030	1
	- Without user interface - With screw and claw fixing				
	Tops, see section				
	<i>Design / DELTA profil / GAMMA instabus</i>				
	<i>Design / DELTA style / GAMMA instabus</i>				
	<i>Design / DELTA ambiente / Shutter/Blind controls</i>				
	<i>Design / DELTA ambiente / Switches and pushbuttons</i>				
	<i>Design / DELTA i-system / Switches and pushbuttons</i>				
	DELTA UP 116 bus coupling units, pushbutton position, single	5WG1 116-2AB21		030	1
	- Without user interface - With screw and claw fixing				
	Tops, see section				
	<i>Design / DELTA profil / GAMMA instabus</i>				
	<i>Design / DELTA style / GAMMA instabus</i>				
	<i>Design / DELTA ambiente / Switches and pushbuttons</i>				
	<i>Design / DELTA i-system / Switches and pushbuttons</i>				
	<i>Design / DELTA natur / Switches and pushbuttons</i>				
	DELTA UP 116 bus coupling units, pushbutton position, double	5WG1 116-2AB31		030	1
	- Without user interface - With screw and claw fixing				
	Tops, see section				
	<i>Design / DELTA profil / GAMMA instabus</i>				
	<i>Design / DELTA style / GAMMA instabus</i>				
	<i>Design / DELTA profil / Shutter/Blind controls</i>				
	<i>Design / DELTA ambiente / Switches and pushbuttons</i>				
	<i>Design / DELTA i-system / Switches and pushbuttons</i>				
	UP 110 bus coupling units, mounting depth 27 mm	5WG1 110-2AB03		030	1
	- Modular width: 71 mm - With user interface - With screw fixing				
	Tops, see section				
	<i>Design / DELTA ambiente / GAMMA instabus</i>				
	<i>Design / DELTA profil / GAMMA instabus</i>				
	<i>Design / DELTA style / GAMMA instabus</i>				
	UP 110 bus coupling units, mounting depth 19 mm	5WG1 110-2AB11		030	1
	- Modular width: 71 mm - With user interface - With screw and claw fixing				
	Tops, see section				
	<i>Design / DELTA ambiente / GAMMA instabus</i>				
	<i>Design / DELTA profil / GAMMA instabus</i>				
	<i>Design / DELTA style / GAMMA instabus</i>				

Inserts

Version	Order No.	Price	PG	PS*/ P. unit
		1 unit		Unit(s)
 UP 114 bus coupling units • Modular width: 71 mm • Mounting depth: 16 mm • With screw fixing • With user interface	5WG1 114-2AB02		030	1
Tops, see section	Page (ff.)			
<i>Design / DELTA ambiente / GAMMA instabus</i>	8/19			
<i>Design / DELTA profil / GAMMA instabus</i>	5/34			
<i>Design / DELTA style / GAMMA instabus</i>	6/25			

5WG1 114-2AB02

Accessories

Selection and ordering data

Version	Order No.	Price	PG	PS*/ P. unit
		1 unit		Unit(s)
 Fixing clips • Supports the use of the antitheft screws of bus terminals, such as pushbuttons, room temperature controllers etc., on bus coupling units with claw fixing • 2 fixing clips are needed per bus coupling unit	5WG1 294-8AB01		030	10

5WG1 294-8AB01

Notes



20/2	General
20/4	Switches and Pushbuttons
20/11	Socket Outlets
20/13	Dimmers
20/29	Motion Detectors
20/43	Shutter/Blind Controls
20/57	Room Temperature Controllers
20/60	Communication
20/63	TV/RF/SAT
20/64	International Plug-and-Socket Devices
20/65	Remote Controls

Overview

IP degrees of protection according to DIN VDE 0470 Part 1, EN 60529, IEC 529

The degree of protection is indicated by the two code letters IP (International Protection) followed by two code numbers, which denote the degree of protection according to the two tables shown below.

If only one code number for the degree of protection is specified after the IP (often the case on installation material), an X replaces the omitted code number, e.g. IPX4 or IP6X. The term for the complete identification symbol (code letter and protection level code number) is "degree of protection".

The first code number (see table) indicates

- that the enclosure protects persons against direct contact, whereby the ingress of a body part, or an object held by a person, is prevented or limited, and
- that the enclosure also ensures that equipment is protected against the ingress of hard foreign objects.

First code number	Brief description	Definition
0	Not protected	–
1	Protected against contact with dangerous parts with the back of a hand	The access probe, ball 50 mm diameter, must have sufficient distance from dangerous parts
	Protected against hard foreign objects more than 50 mm in diameter	Limited ingress of object probe, ball 50 mm diameter ¹⁾
2	Protected against contact with dangerous parts with fingers	The jointed test finger, 12 mm diameter, 80 mm in length, must have sufficient distance from dangerous parts
	Protected against hard foreign objects more than 12.5 mm in diameter	Limited ingress of object probe, ball 12.5 mm diameter ¹⁾
3	Protected against contact with dangerous parts with tools	No ingress at all of access probe, 2.5 mm diameter
	Protected against hard foreign objects more than 2.5 mm in diameter	No ingress at all of object probe, 2.5 mm diameter ¹⁾
4	Protected against contact with dangerous parts with a wire	No ingress at all of access probe, 1.0 mm diameter
	Protected against hard foreign objects more than 1.0 mm in diameter	No ingress at all of object probe, 1.0 mm diameter ¹⁾
5	Protected against contact with dangerous parts with a wire	No ingress at all of access probe, 1.0 mm diameter
	Dust-protected	The ingress of dust cannot be completely prevented, but limited ingress that will not affect reliable operation of the device or interfere with safety
6	Protected against contact with dangerous parts with a wire	No ingress at all of access probe, 1.0 mm diameter
	Dust-proof	No ingress of dust

¹⁾ The full diameter of the object probe must not pass through an opening of the enclosure.

The second code number (see table) specifies the degree of protection offered by the enclosure with regard to damage to equipment due to the ingress of water.

Second code number	Brief description	Definition
0	Not protected	–
1	Drip-proof	Vertically falling drops cannot have any damaging effects
2	Drip-proof, if the enclosure is inclined up to 15° from normal position	Vertically falling drops cannot have any damaging effect if the enclosure is tilted at an angle of up to 15° either side of the vertical
3	Protected against splashwater	Sprays up to 60° on both sides of the vertical must not cause any damage
4	Protected against splashwater	Water sprayed against the enclosure from all direction must not cause any damage
5	Protected against jet-water	Low pressure jets of water against the enclosure from all direction must not cause any damage
6	Protected against heavy jet-water	Strong jets of water against the enclosure from all direction must not cause any damage
7	Protected against the effects of temporary immersion in water	Water must not ingress to a degree that damage is caused when the enclosure is immersed in water under standardized pressure and timed periods under conditions to be agreed between the manufacturer and user.
8	Protected against the effects of continual submersion in water	Water must not ingress to a degree that damage is caused when the enclosure is immersed in water under conditions to be agreed between the manufacturer and user. However, the conditions must be more difficult than for the code number 7

Overview

	German approval mark (Verband Deutscher Elektrotechniker - Association of German Electrical Engineers)
	Approval mark for Switzerland
	Approval mark for the Netherlands
	Approval mark for Canada
	Approval mark for USA
	Total insulation, safety class II
IP44	Protection against foreign bodies and splashwater
IP55	Dust-protected, protection against foreign objects and jet-water
IP66	Dust-proof, protection against foreign objects and strong jet-water
	Suitable for harsh operating conditions according to DIN 49441
	Incandescent lamps
	Low-voltage halogen lamps
	High-voltage halogen lamps
	Fluorescent lamps
	Conventional transformers
	Electronic transformers
SV (AEV)	Safety power supply (diesel generator set DIN VDE 0107)
ZSV (BEV)	Additional safety power supply (battery-supported DIN VDE 0107)
WSV (BEV)	Other safety power supply
	Registered trademark of the SCHUKO-Warenzeichenverband e. V.
	Fire-retarding according to DIN VDE 0606, corresponds to the guidelines of the Verband der Sachversicherer (Association of Property Insurers) for mounting on wood
	Can be installed in cavity walls
	Can be installed in furniture
EIB	Registered trademark of the European Installation Bus Association, Brussels

Technical Information

Switches and Pushbuttons

Switches

Overview

Maximum permissible lamp loads for switch inserts

Number of operations: 50000

Type of lamp	Connection method	Power per lamp	Number
Incandescent lamps		100 W	12
Fluorescent lamps ¹⁾	Uncorrected	36 W	22
		58 W	14
	Parallel p.f. corrected	36 W	38
		58 W	25
	DUO circuit	36 W	21 x 2
		58 W	14 x 2
	ECG ²⁾	36 W	26
		58 W	18
		2 x 36 W	12
		2 x 58 W	9

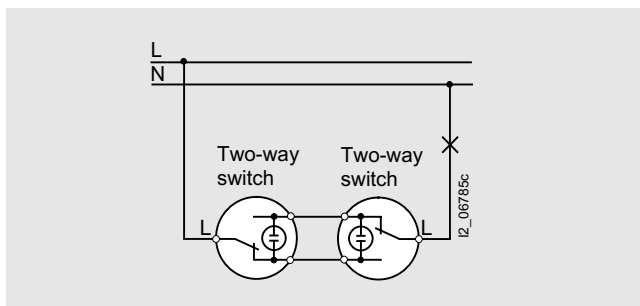
1) Incandescent lamps are cooled during the test.

2) OSRAM ECGs.

Universal switches (5TA2 156)

Schematics

Glow lamps for orientation

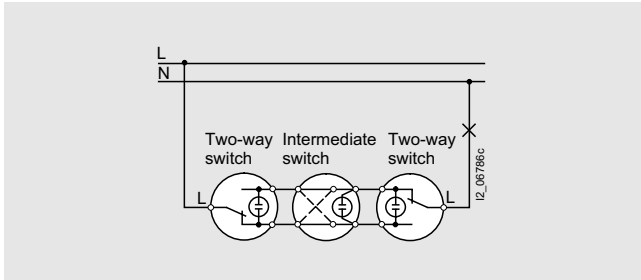


Order No. of insert: 5TA2 156

Order No. of glow lamp: 5TG7 332

Schematics

Glow lamps for orientation

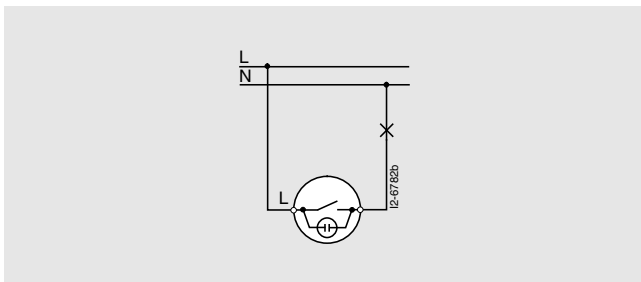


Order No. of inserts:
5TA2 156 / 5TA2 117 / 5TA2 156
Order No. of glow lamp: 5TG7 332

ON/OFF switches, 1-pole, (5TA2 151)

Schematics

Glow lamp for orientation

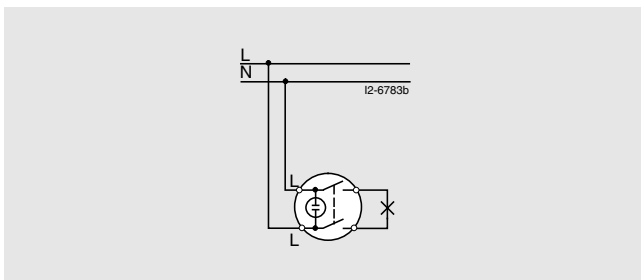


Order No. of insert: 5TA2 151
Order No. of glow lamp: 5TG7 332

ON/OFF switches, 2-pole

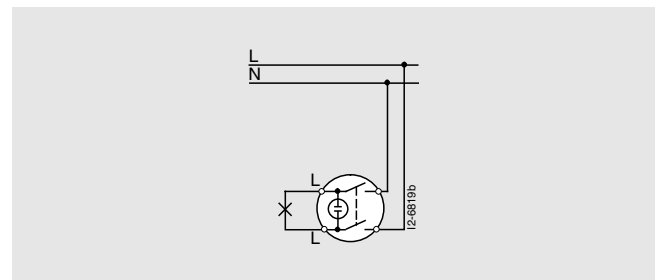
Schematics

Glow lamp for orientation



Order No. of insert:
5TA2 112, 10 A and 5TA2 162, 16 A
Order No. of glow lamp: 5TG7 332

Glow lamp for control



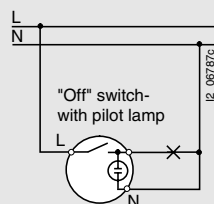
Order No. of inserts:
5TA2 112, 10 A and 5TA2 162, 16 A
Order No. of glow lamp: 5TG7 332

Technical Information

Switches and Pushbuttons

Switches with pilot lamp for ON/OFF switching (5TA2 150)

Schematics



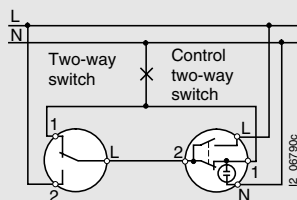
Order No. of insert: 5TA2 150

Inserts incl. glow lamp 5TG7 332

Switches with pilot lamp for two-way switching (5TA2 108)

Schematics

Control two-way circuit with 1 two-way switch and 1 control two-way switch

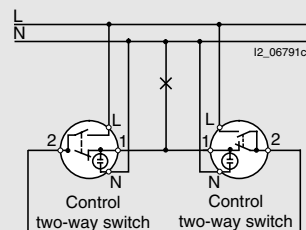


Order No. of inserts:

- 5TA2 156 (two-way switch)
- 5TA2 108 (control two-way switch)

5TA2 108 insert incl. 5TG7 332 glow lamp

Control two-way circuit with 2 control two-way switches



Order No. of insert:

5TA2 108 (control two-way switch)

5TA2 108 insert incl. 5TG7 332 glow lamp

Technical specifications

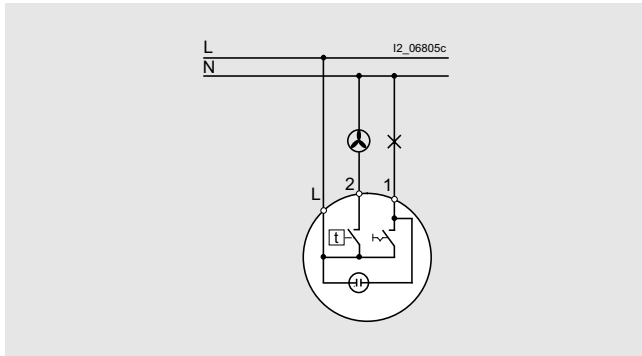
Operational voltage	230 V AC $\pm$ 10 %
Rated current	6 A
Mains frequency	40 ... 60 Hz
Main circuit	See section <i>Switches / Maximum permissible lamp load for switch inserts (see page 20/4)</i>
Delay circuit	
• Fan	200 VA
• Delay time	0.5 ... 15 min
Ambient temperature	-10 ... +45 °C
Spare fuse	T 1.6 A; 250 V

Schematics

Function of the delay timer

The lighting and fan are switched on simultaneously. Once the lighting is switched off, the fan continues running for the time set at the delay timer after which it switches off automatically.

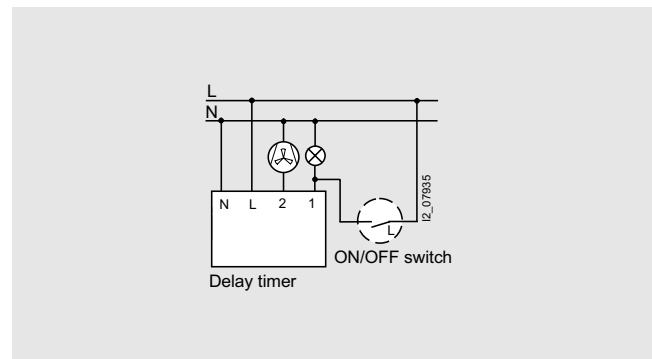
Installation in flush-mounting switch boxes



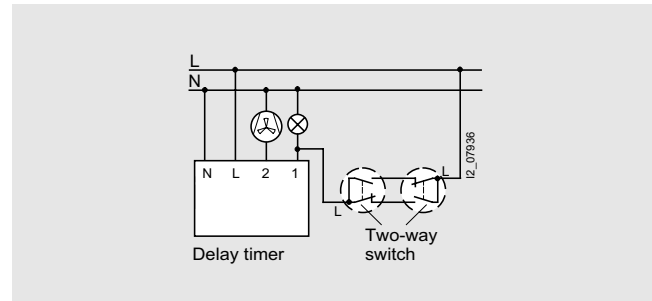
Order No. of insert: 5TT1 210

Order No. of spare fuses: 5TG8 302

Installation in flush-mounting branching boxes



Basic circuit



Two-way circuit

Order No. of insert: 5TT1 211

Order No. of spare fuses: 5TG8 302

ON/OFF switch or two-way switch required

Technical Information

Switches and Pushbuttons

Timers (5TT1 200)

Overview

The electric flush-mounting timer can be used to replace an ON/OFF switch. Control with parallel pushbuttons not possible. The connections can be reversed without influencing the function of the

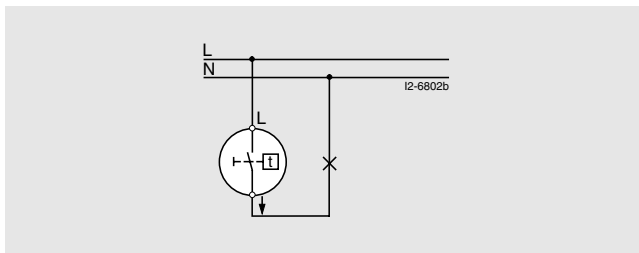
switch. No connection required for neutral conductor (N). Can be reset to full time setting.

Technical specifications

Operational voltage	230 V AC $\pm 10\%$
Mains frequency	40 ... 60 Hz
Time setting	1 ... 6 min
Incandescent lamp rating	200 W
Ambient temperature	-10 ... +45 °C
Spare fuse	
• Order number	5TG8 302
• Type	T 1.6 A, 250 V

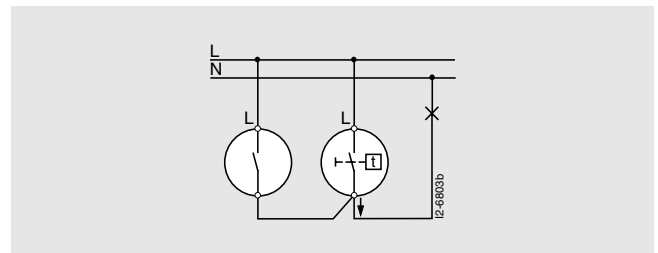
Schematics

Basic circuit

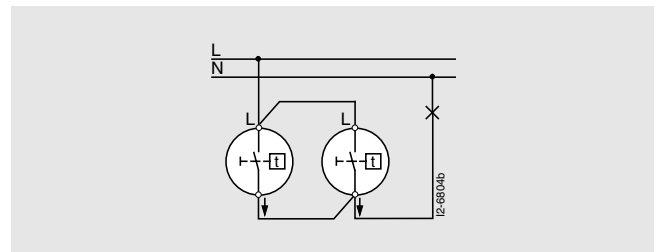


Only suitable for incandescent lamps.

Application parallel to an ON/OFF switch



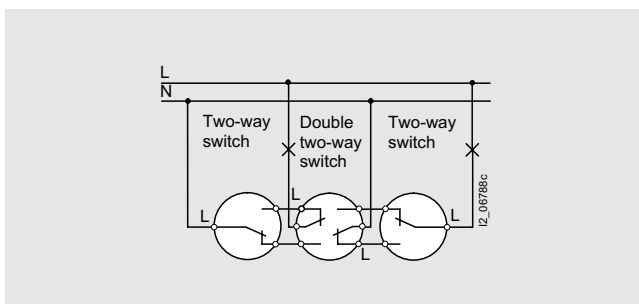
Application in an existing two-way circuit



Double two-way switches (5TA2 118)

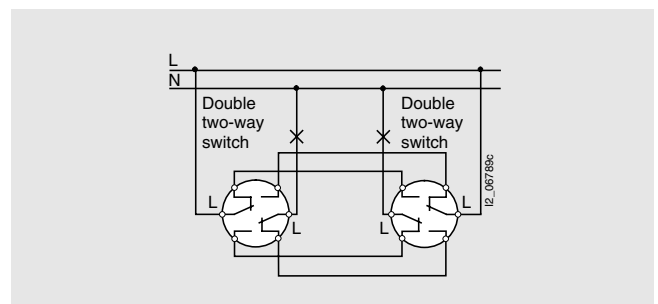
Schematics

Double two-way circuit



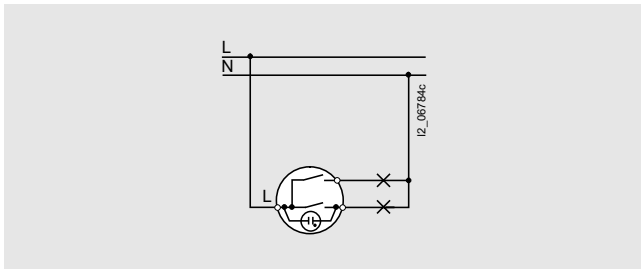
Order No. of inserts: 5TA2 156 / 5TA2 118 / 5TA2 156

Double two-way circuit with two double two-way switches



Order No. of inserts: 5TA2 118 / 5TA2 118

Schematics

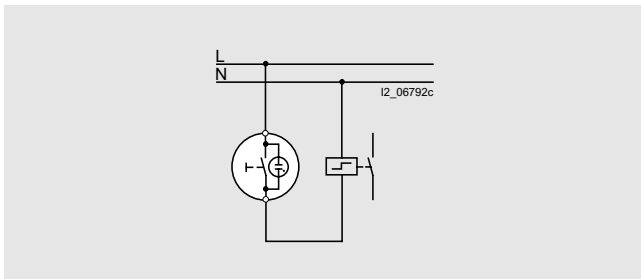


Order No. of insert: 5TA2 155

Order No. of glow lamp: 5TG7 332

Pushbuttons, 1 NO contact (5TD2 120)

Schematics

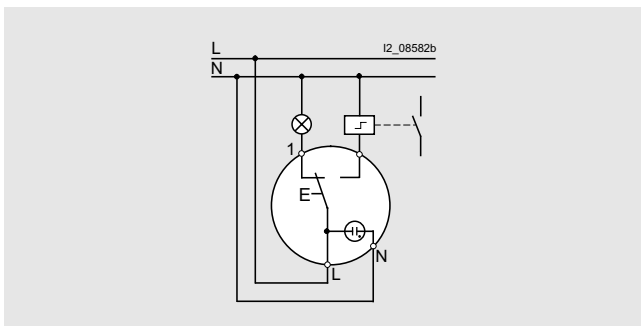


Order No. of insert: 5TD2 120

Order No. of glow lamp: 5TG7 332

Pushbuttons, 1 CO contact, with separate neutral terminal (5TD2 117)

Schematics



Order No. of insert: 5TD2 117

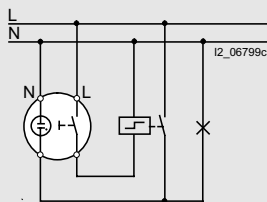
Order No. of glow lamp: 5TG7 332

Technical Information

Switches and Pushbuttons

Pushbuttons, separate check-back indication (5TD2 114)

Schematics

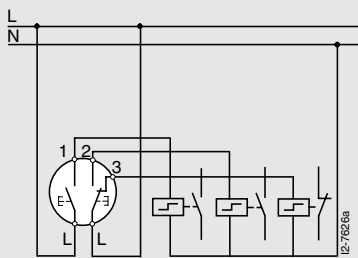


Order No. of insert: 5TD2 114

Order No. of glow lamp: 5TG7 332

Pushbuttons, double, 1 NO contact, 1 CO contact (5TD2 115)

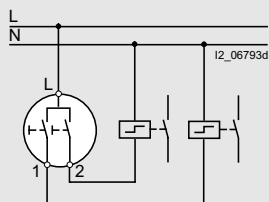
Schematics



Order No. of insert: 5TD2 115

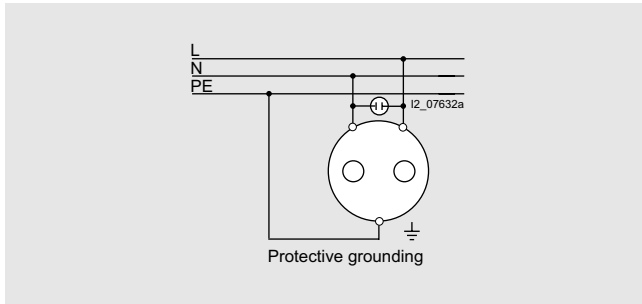
Pushbuttons, double, 2 NO contacts (5TD2 111)

Schematics



Order No. of insert: 5TD2 111

Schematics



SCHUKO socket outlets with overvoltage protection

Overview

For the protection of electronic devices against overvoltages (in overvoltage category II according to DIN VDE 0110-1).

Surge arresters of requirement category D according to E DIN VDE 0675-6 and 0675-6/A1:1996-03.

Features:

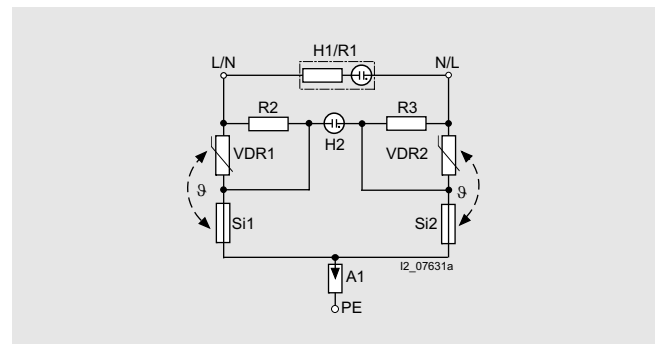
- Overvoltage protection with monitoring device and disconnecter
- Visual function indicator (glow lamp, green)
- Visual fault display (glow lamp red, no disconnection)
- With retaining ring for installation in switch boxes (60 mm Ø, 40 mm deep)

Technical specifications

Tested	E DIN VDE 0675-6; EN 61643-11 and IEC 61643-1	
Rated voltage	U_N	230 V, 50 Hz
Surge arrester rated voltage (maximum permissible operational voltage)	U_C	255 V, 50 Hz
Rated discharge current (8/20)	I_{SN}	L (N) -> PE, L 3 kA L + N -> PE 5 kA
Combined surge	U_{OC}	L (N) -> PE, L 6 kV L + N -> PE 10 kV
Protection level	U_p	L -> N ≤ 1.5 kV L(N) -> PE ≤ 1.5 kV
Response time	t_A	L -> N 25 ns L(N) -> PE 100 ns
Series fuse ¹⁾		16 A gL/gG or B 16 A
Temperature range	J	-25 ... +40 °C
Terminals		3 double terminals, each up to 2.5 mm ² also suitable for through-wiring

¹⁾ Only required, if not already available in the system.

Schematics

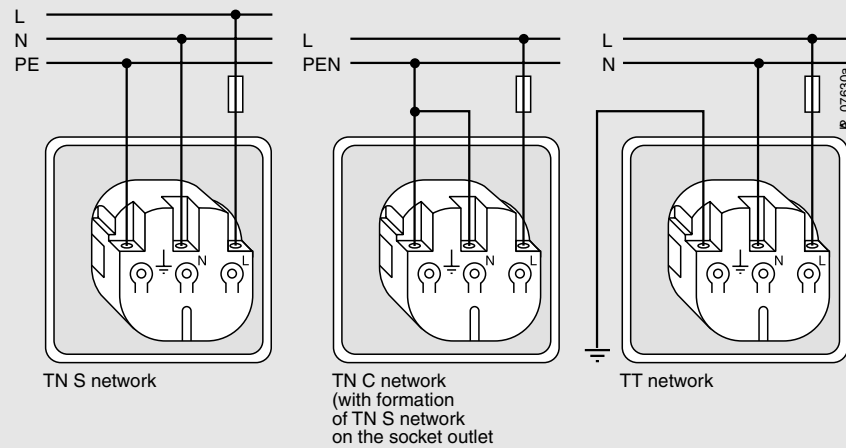


Technical Information

Socket Outlets

SCHUKO socket outlets with residual-current protection

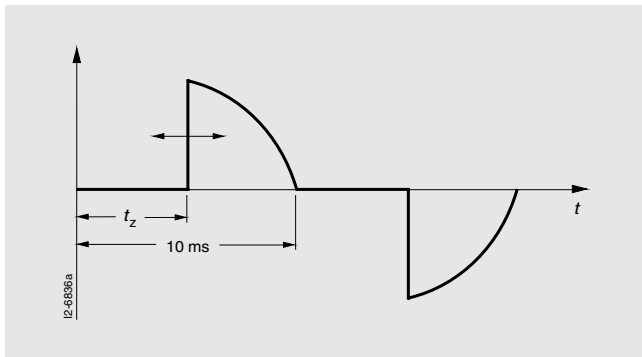
Schematics



Overview

Leading-edge phase principle

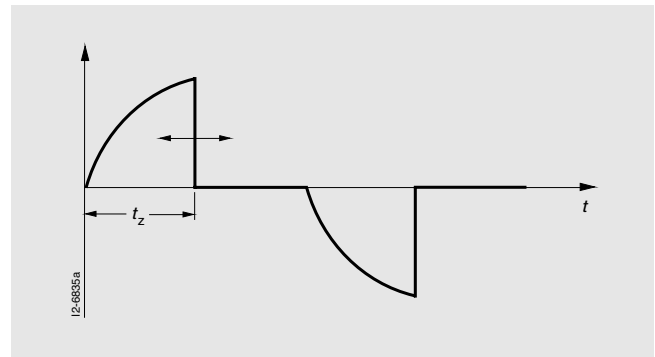
Conventional dimmers operate using the leading-edge phase principle. At the beginning of each sinusoidal half-wave, the dimmer blocks the current to the lamp, it is non-conducting. The TRIAC (the electronic switch in the dimmer) is only connected after startup of a user-definable delay time t_z , which energizes the connected loads. In this way, the brightness of the connected lighting medium can be infinitely adjusted. The interference voltages produced by the switching operation are damped by means of suitable filtering measures.



Trailing-edge phase principle

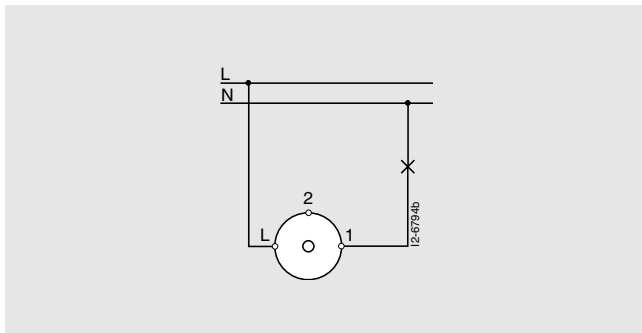
For this purpose, the load is switched on during the zero crossing of each sinusoidal half-wave and, on expiration of the time t_z , it is switched off again. This allows changes to the r.m.s. value of the lamp voltage, and thus the brightness. No interference voltages are produced when switching on, because the voltage has the value zero. When turning off, any resonance points are damped, as the full load of the transformers is effective at this point.

No need for additional systems for noise suppression. There is no occurrence of the dreaded resonance points with their unpleasant humming or flickering.

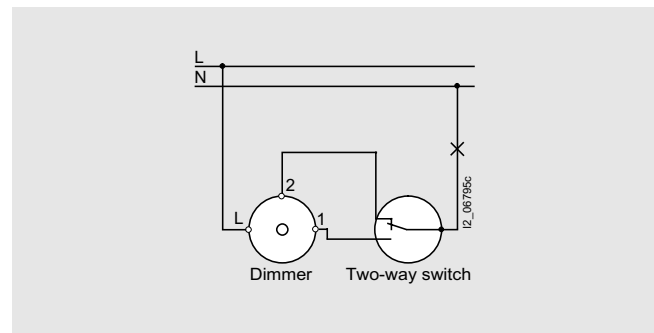


Schematics

Rotary dimmers for ON/OFF and two-way switching, 60 to 600 W, 50/60 Hz, 230 V AC, incandescent lamps, leading-edge phase

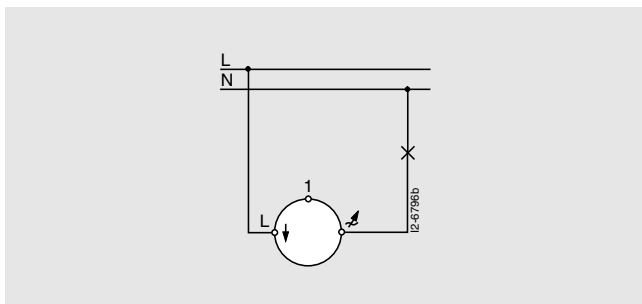


Application in ON/OFF circuit (ON/OFF switching and dimmer control from one point)

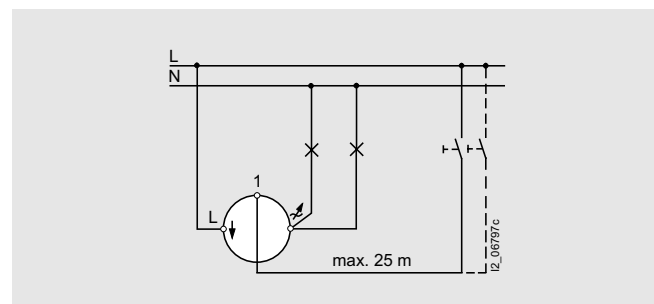


Application in two-way circuit (ON/OFF switching from 2 points and dimmer control from 1 point)

Sensor dimmers for ON/OFF, series and two-way switching with and without memory function, 20 to 400 W, 50/60 Hz, 230 V AC incandescent lamps, leading-edge phase



Application in ON/OFF circuit (ON/OFF switching and dimmer control from one point)



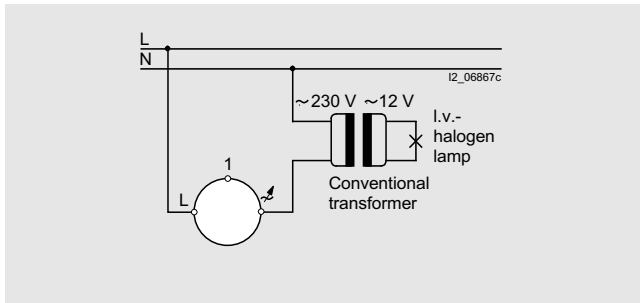
Application in two-way circuit (ON/OFF switching and dimmer control from two points with mechanical pushbuttons)

Technical Information

Dimmers

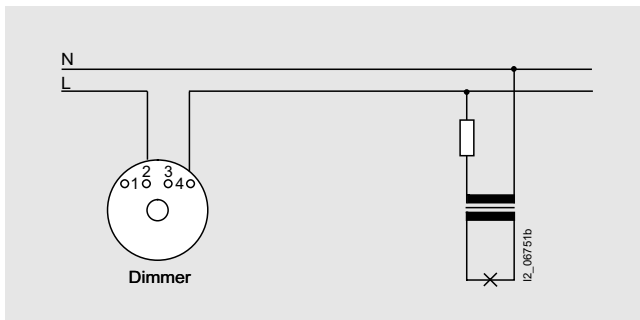
General

Sensor dimmers for ON/OFF, series and two-way switching with and without memory function, 20 to 300 VA, 50/60 Hz, 230 V AC, low-voltage halogen lamp with conventional transformer



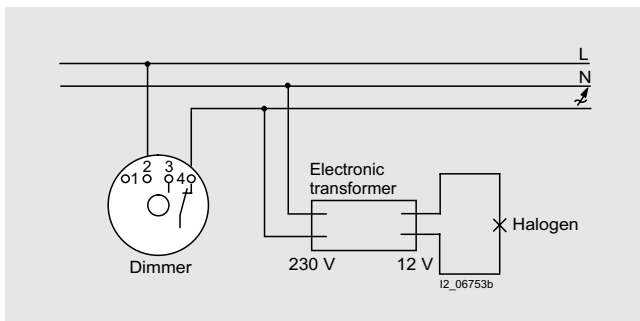
Application in ON/OFF circuit (ON/OFF switching and dimmer control from one point)

Rotary dimmers for ON/OFF and two-way switching, 15 to 500 W, 50/60 Hz, 230 V AC, low-voltage halogen lamp with conventional transformer, leading-edge phase

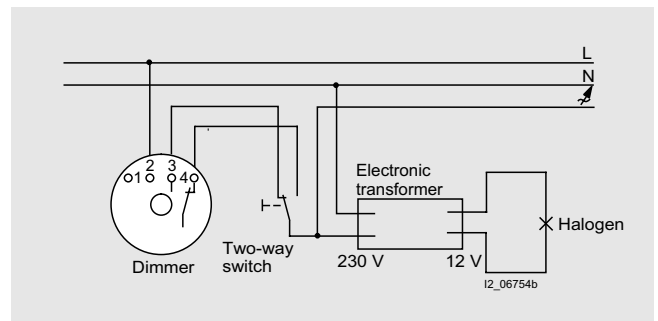


For the protection of transformers, we recommend a miniature fuse (corresponding to the transformer rating)

Rotary dimmers for ON/OFF and two-way switching, 10 to 350 W, 50/60 Hz, 230 V AC, low-voltage halogen lamp for electronic transformer, trailing-edge phase



All dimmers can be used with ON/OFF circuits and pushbutton two-way circuits

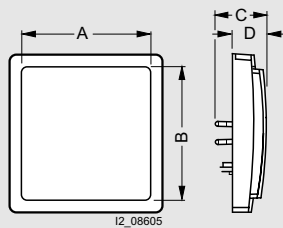


Only dimmers with pushbutton two-way circuit can be used

Technical specifications

Power supply	Over 230-V-user interface (230-V PEI) of the switch or dimmer sys inserts		
Connections	10-pole pin connector (230-V PEI) for connection to the switch or dimmer sys insert		
Mechanical specifications			
• Enclosure	plastic		
• Dimensions (L x W x D)	DELTA i-system	55 x 55 x 24 mm (incl. spring)	
	DELTA profil	65 x 65 x 25 mm (incl. spring)	
	DELTA style	68 x 68 x 27 mm (incl. spring)	
• Weight	approx. 30 g		
• Fire load	approx. 950 kJ		
• Mounting	Mounted on the switch or dimmer sys insert		
Electrical safety			
• Degree of soiling (acc. to IEC 60664-1)	2		
• Degree of protection (acc. to EN 60529)	IP20		
• Overvoltage category (acc. to IEC 60664-1)	III		
• Standard	according to EN 50090-2-2 and IEC 60664-1		
EMC requirements	according to EN 50090-2-2, EN 61000-6-3, EN 61000-6-1		
Environmental conditions			
• Resistance to climate	EN 50090-2-2		
• Ambient operating temperature	-5 ... +45 °C		
• Storage temperature	-25 ... +70 °C		
• Relative humidity (non-condensing)	5 ... 93 %		
CE marking	according to EMC Directive (residential buildings), Low Voltage Directive		

Dimensional drawings



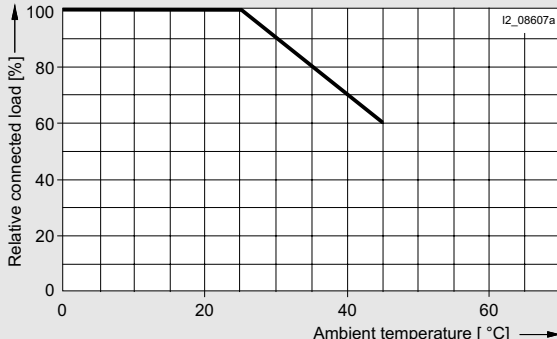
	A	B	C	D
DELTA i-system	55	55	24	13
DELTA profil	65	65	25	14
DELTA style	68	68	27	16,5

Technical Information

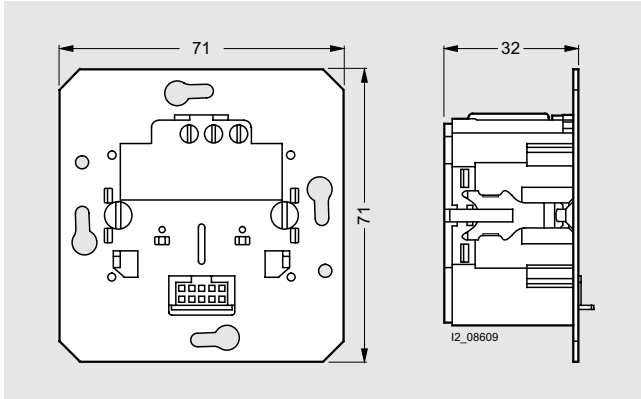
Dimmers

Universal dimmer sys inserts (5TC1 230)

Technical specifications

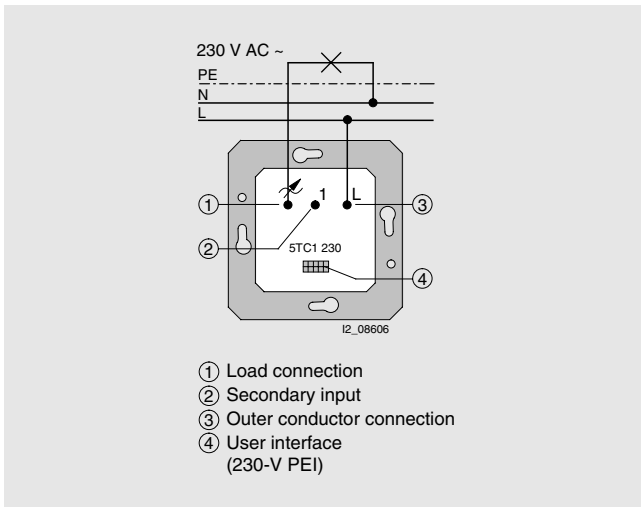
Power supply	Mains connection 230 V (2-wire method) Rated voltage: 230 V AC, 50 Hz
Protection against short-circuit	In the event of a short-circuit, the universal dimmer switches off. As soon as the short-circuit is eliminated (voltage recovery), the universal dimmer automatically switches back on at the brightness value last set prior to the short-circuit
Protection against overloads	In the event of an overload, and if the maximum permissible temperature is exceeded, the universal dimmer switches off for at least two minutes. As soon as the device has cooled down, it is automatically switched to the current setpoint value
Load output	
• Number	1
• Rated voltage	230 V AC, 50 Hz
• Rated load (up to 25 °C ambient temperature)	
– Incandescent lamp rating	50 ... 420 W
– Conventional transformers	50 ... 420 VA
– Conventional transformers	70 ... 420 VA
– Mixed loads	Only permissible between incandescent lamp ratings and electric transformers
– Maximum connected load at ambient temperature	 Warning: The connected load must be reduced by 20 %, depending on operating conditions • For mounting on wood, Rigips, gas concrete or cavity walls • For installation in multiple combinations or surface-mounting enclosures
Behavior on system voltage recovery	After system voltage recovery, the DELTA universal dimmer sys insert switches to the same dimming value set prior to power failure, whereby the DELTA universal dimmer sys insert automatically learns the load. A brief flickering indicates that the learning procedure is running
Connections	The connections for the DELTA universal dimmer sys insert comprise three screw-type terminals, the following conductor/cross-sections are permissible: • 0.5 ... 2.5 mm² solid • 0.5 ... 1.5 mm² finely stranded with end sleeve without insulating collar (gas-tight crimp connection) Caution: If the conductors need to be looped through, only conductors with max. 1.5 mm ² can be used
Mechanical specifications	
• Enclosure	plastic
• Dimensions	modular width: 71 mm x 71 mm mounting depth: 32 mm
• Weight	approx. 70 g
• Fire load	approx. 1000 kJ
• Mounting	Installation in switch and socket boxes 60 mm Ø, 40 mm deep according to DIN 49073-1
Electrical safety	
• Degree of soiling (acc. to IEC 60664-1)	2
• Degree of protection (acc. to EN 60529)	IP20
• Overvoltage category (acc. to IEC 60664-1)	III
• Standard	according to EN 50090-2-2 and EN 60669-2-1
EMC requirements	according to EN 50090-2-2, EN 60669-2-1, EN 61000-6-3, EN 61000-6-1
Environmental conditions	
• Resistance to climate	EN 50090-2-2
• Ambient operating temperature	-5 ... +45 °C
• Storage temperature	-25 ... +70 °C
• Relative humidity (non-condensing)	5 % ... 93 %
Certification	VDE approved

Dimensional drawings



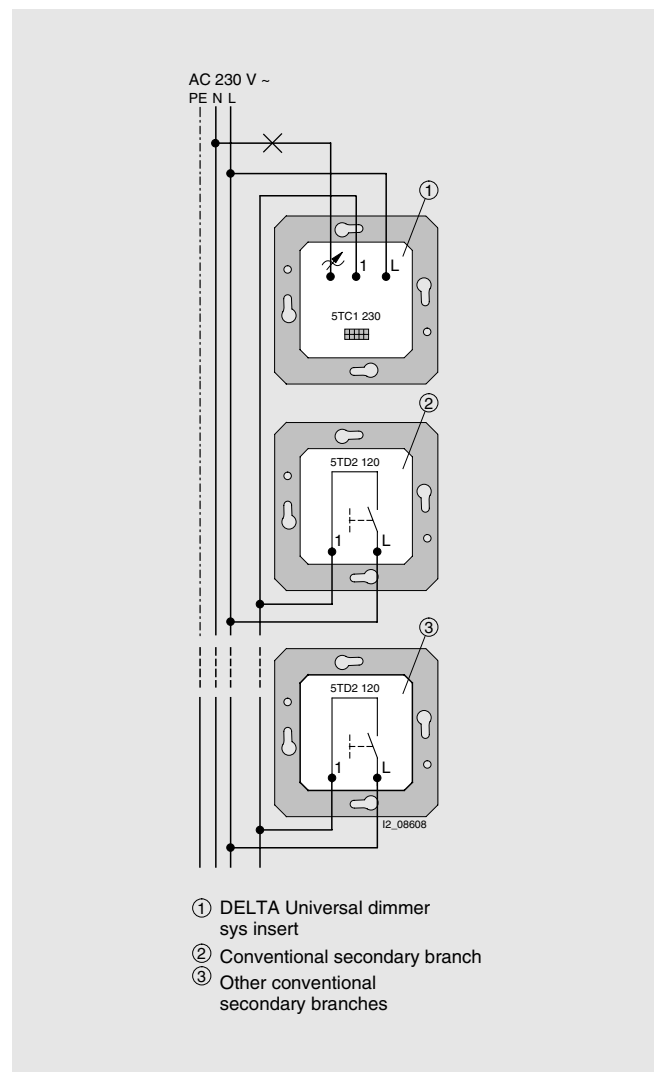
Schematics

Sample connection



Application options

Example: Universal dimmer with conventional secondary branches

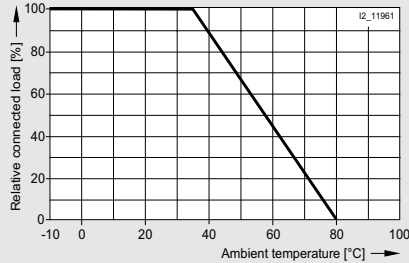


Technical Information

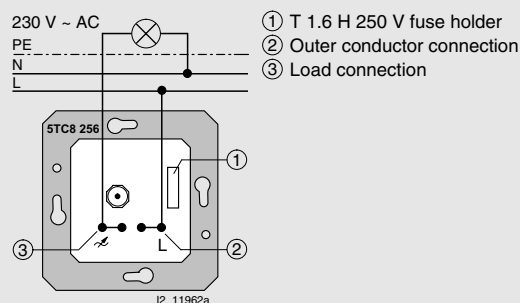
Dimmers

Incandescent lamp dimmers, 50 to 400 W (5TC8 256)

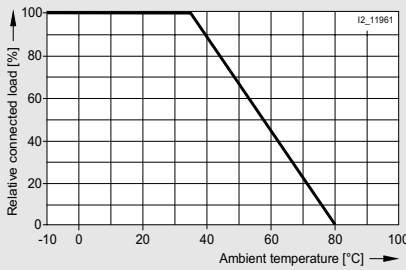
Technical specifications

Power supply	Mains connection 230 V (2-wire method), rated voltage: 230 V AC, 50/60 Hz
Protection against short-circuit	with fuse ① (the fuse holder contains a spare fuse)
Load output	
• Number	One with two terminals ③
• Rated voltage	230 V AC, 50/60 Hz
• Rated load (up to 35 °C ambient temperature)	
– Incandescent lamps	50 ... 400 W
– HV halogen lamps	50 ... 400 W
– Note	Only incandescent lamps and/or HV halogen lamps may be connected
– Maximum connected load at ambient temperature	 Warning: The connected load must be reduced by 20 %, depending on operating conditions • For mounting on wood, Rigips, gas concrete or cavity walls • For installation in multiple combinations or surface-mounting enclosures
Connections	Four screw-type terminals with anti-slip terminal body, of which two terminals have the same potential, the following conductor/cross-sections are permissible: • 0.5 ... 4.0 mm² solid • 0.5 ... 2.5 mm² finely stranded, with or without end sleeve (without insulating collar, gas-tight crimp connection)
Mechanical specifications	
• Enclosure	plastic
• Dimensions	modular width: 71 mm x 71 mm, mounting depth: 32 mm
• Weight	approx. 95 g
• Fire load	approx. 1000 kJ
• Mounting	Installation in switch and socket boxes 60 mm Ø, 40 mm deep according to DIN 49073-1
Electrical safety	
• Degree of soiling (acc. to IEC 60664-1)	2
• Degree of protection (acc. to EN 60529)	IP20
• Overvoltage category (acc. to IEC 60664-1)	III
• Standard	according to EN 60669-2-1
EMC requirements	according to EN 60669-2-1, EN 61000-6-3 and EN 61000-6-1
Environmental conditions	
• Ambient operating temperature	-5 ... +45 °C
• Storage temperature	-25 ... +70 °C
• Relative humidity (non-condensing)	5 ... 93 %
Certification	VDE approved and KEMA-approved

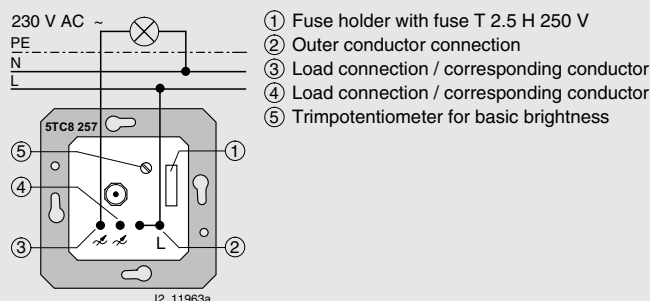
Schematics



Technical specifications

Power supply	Mains connection 230 V ① (2-wire method), rated voltage: 230 V AC, 50/60 Hz
Protection against short-circuit	Fuse A1 (the fuse holder contains a spare fuse)
Protection against overloads	with additional temperature cutout, which permanently shuts down the dimmer in the event of an overload
Load output	
• Number	Two terminals for two-way switching (③ and ④)
• Rated voltage	230 V AC, 50/60 Hz
• Rated load (up to 35 °C ambient temperature)	
– Incandescent lamps	50 ... 600 W
– HV halogen lamps	50 ... 600 W
– Note	Only incandescent lamps and/or HV halogen lamps may be connected
– Maximum connected load at ambient temperature	 Warning: The connected load must be reduced by 20 %, depending on operating conditions • For mounting on wood, Rigips, gas concrete or cavity walls • For installation in multiple combinations or surface-mounting enclosures
Connections	Four screw-type terminals with anti-slip body. The two L-connection terminals are internally bridged (same potential), the following conductor/cross-sections are permissible: • 0.5 ... 4.0 mm² solid • 0.5 ... 2.5 mm² finely stranded, with or without end sleeve (without insulating collar, gas-tight crimp connection)
Mechanical specifications	
• Enclosure	plastic
• Dimensions	modular width: 71 mm x 71 mm, mounting depth: 32 mm
• Weight	approx. 95 g
• Fire load	approx. 1000 kJ
• Mounting	Installation in switch and socket boxes 60 mm Ø, 40 mm deep according to DIN 49073-1
Electrical safety	
• Degree of soiling (acc. to IEC 60664-1)	2
• Degree of protection (acc. to EN 60529)	IP20
• Overvoltage category (acc. to IEC 60664-1)	III
• Standard	according to EN 60669-2-1
EMC requirements	according to EN 60669-2-1, EN 61000-6-3 and EN 61000-6-1
Environmental conditions	
• Ambient operating temperature	-5 ... +45 °C
• Storage temperature	-25 ... +70 °C
• Relative humidity (non-condensing)	5 ... 93 %
Certification	VDE approved and KEMA-approved

Schematics

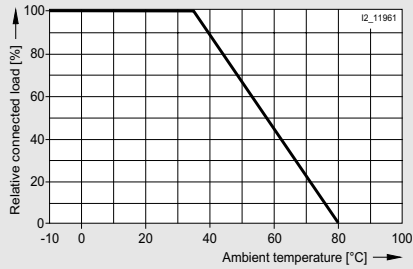


Technical Information

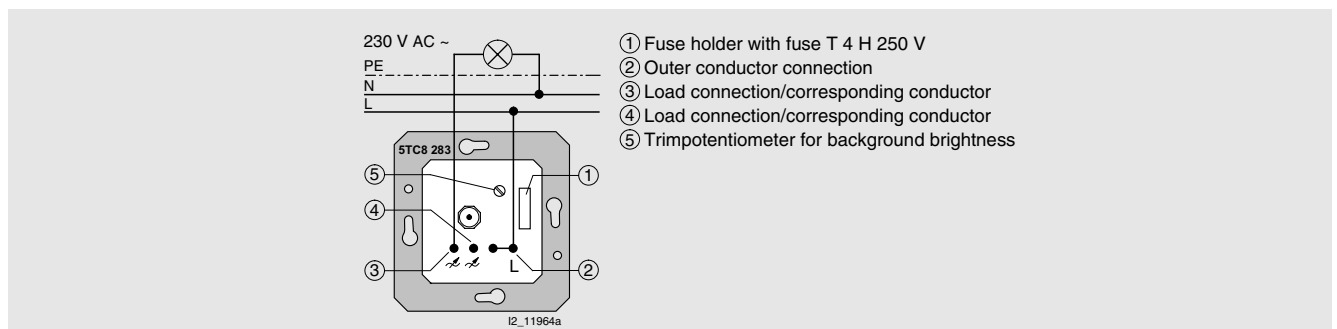
Dimmers

L.-V. dimmers, for magnetic transf., 50 to 600 W,
25 to 500 VA, for two-way switching (5TC8 283)

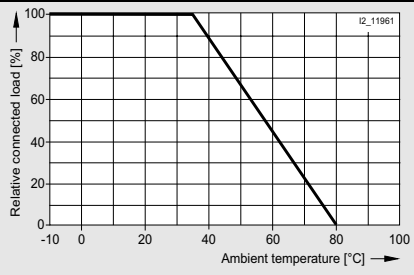
Technical specifications

Power supply	Mains connection 230 V ① (2-wire method), rated voltage: 230 V AC, 50/60 Hz
Protection against short-circuit	Fuse A1 (the fuse holder contains a spare fuse)
Protection against overloads	with additional temperature cutout, which permanently shuts down the dimmer in the event of an overload
Load output	
• Number	Two terminals for two-way switching (③ and ④)
• Rated voltage	230 V AC, 50/60 Hz
• Rated load (up to 35 °C ambient temperature)	
– Incandescent lamps	50 ... 600 W
– HV halogen lamps	50 ... 600 W
– LV halogen lamps, magnetic transformer	25 ... 500 VA
– Note	Connection of • Energy-saving lamps • Electronic transformers • Power boosters is not permissible
– Maximum connected load at ambient temperature	 Warning: The connected load must be reduced by 20 %, depending on operating conditions • For mounting on wood, Rigips, gas concrete or cavity walls • For installation in multiple combinations or surface-mounting enclosures
Connections	4 screw-type terminals with anti-slip terminal body, the following conductor/cross-sections are permissible: • 0.5 ... 4.0 mm² solid • 0.5 ... 2.5 mm² finely stranded, with or without end sleeve (without insulating collar, gas-tight crimp connection)
Mechanical specifications	
• Enclosure	plastic
• Dimensions	modular width: 71 mm x 71 mm, mounting depth: 32 mm
• Weight	approx. 105 g
• Fire load	approx. 1000 kJ
• Mounting	Installation in switch and socket boxes 60 mm Ø, 40 mm deep according to DIN 49073-1
Electrical safety	
• Degree of soiling (acc. to IEC 60664-1)	2
• Degree of protection (acc. to EN 60529)	IP20
• Overvoltage category (acc. to IEC 60664-1)	III
• Standard	according to EN 60669-2-1
EMC requirements	according to EN 60669-2-1, EN 61000-6-3 and EN 61000-6-1
Environmental conditions	
• Ambient operating temperature	-5 ... +45 °C
• Storage temperature	-25 ... +70 °C
• Relative humidity (non-condensing)	5 ... 93 %
Certification	VDE approved and KEMA-approved

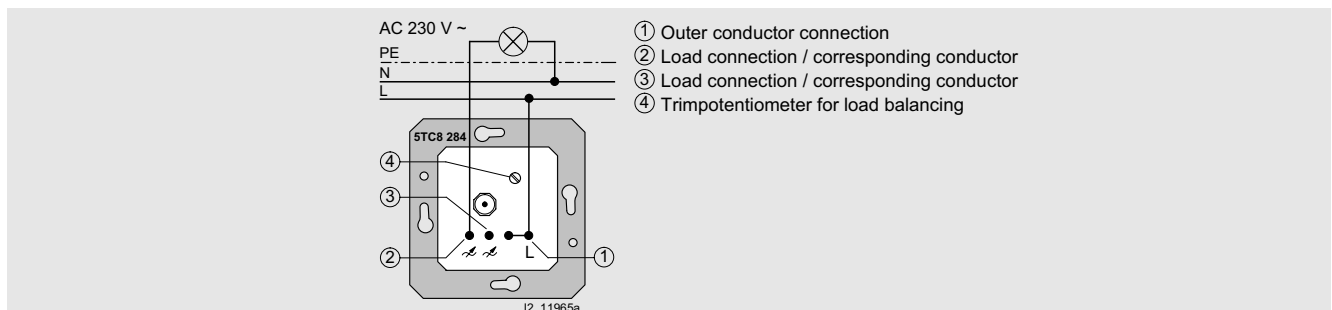
Schematics



Technical specifications

Power supply	Mains connection 230 V (2-wire method), rated voltage: 230 V AC, 50 Hz
Protection against short-circuit	Reversible operating electronic fuse
Protection against overloads	With additional temperature cutout, which shuts down the dimmer in the event of an overload and only resupplies it automatically with power when the overload is eliminated after the device has sufficiently cooled down
Load output	
• Number	Two terminals for two-way switching (② and ③)
• Rated voltage	230 V AC, 50 Hz
• Rated load (up to 35 °C ambient temperature)	
– Incandescent lamps	20 ... 600 W
– HV halogen lamps	20 ... 600 W
– LV halogen lamps with electronic transformer	20 ... 525 W
– Note	Connection of • Energy-saving lamps • Magnetic transformers is not permissible
– Maximum connected load at ambient temperature	 Warning: The connected load must be reduced by 25 %, depending on operating conditions • For mounting on wood, Rigips, gas concrete or cavity walls • For installation in multiple combinations or surface-mounting enclosures • If using highly thermally insulating materials (e.g. glass wool), it may be necessary to reduce the connected load even further
Connections	4 screw-type terminals with anti-slip terminal body, the following conductor/cross-sections are permissible: • 0.5 ... 4.0 mm² solid • 0.5 ... 2.5 mm² finely stranded, with or without end sleeve (without insulating collar, gas-tight crimp connection)
Mechanical specifications	
• Enclosure	plastic
• Dimensions	modular width: 71 mm x 71 mm, mounting depth: 32 mm
• Weight	approx. 95 g
• Fire load	approx. 1000 kJ
• Mounting	Installation in switch and socket boxes 60 mm Ø, 40 mm deep according to DIN 49073-1
Electrical safety	
• Degree of soiling (acc. to IEC 60664-1)	2
• Degree of protection (acc. to EN 60529)	IP20
• Overvoltage category (acc. to IEC 60664-1)	III
• Standard	according to EN 60669-2-1
EMC requirements	according to EN 60669-2-1, EN 61000-6-3 and EN 61000-6-1
Environmental conditions	
• Ambient operating temperature	-5 ... +45 °C
• Storage temperature	-25 ... +70 °C
• Relative humidity (non-condensing)	5 ... 93 %
Certification	VDE approved

Schematics

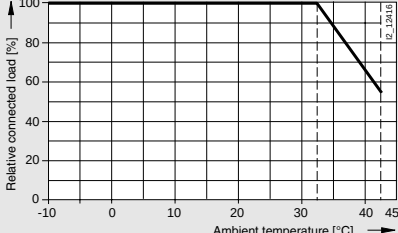


Technical Information

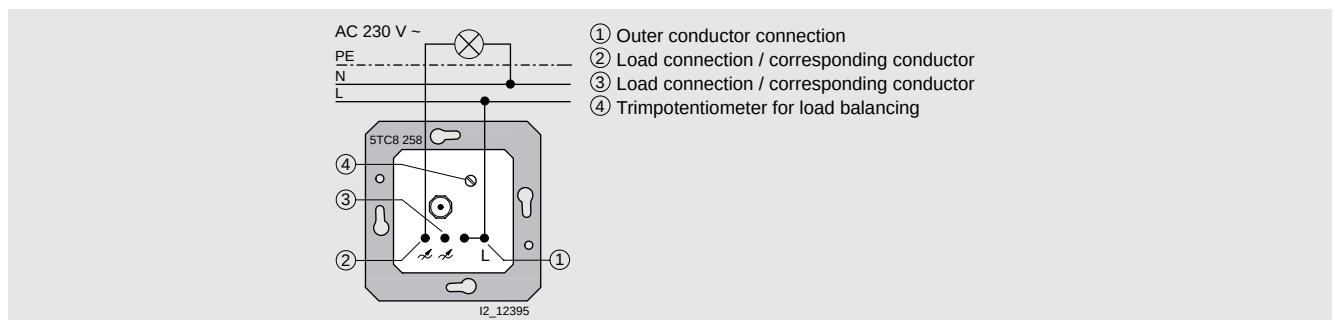
Dimmers

L.-V. dimmers, for electronic transf., 60 to 800 W,
60 to 800 VA, for two-way switching (5TC8 258)

Technical specifications

Power supply	Mains connection 230 V (2-wire method), rated voltage: 230 V AC, 50 Hz
Protection against short-circuit	Reversible operating electronic fuse
Protection against overloads	With additional temperature cutout, which shuts down the dimmer in the event of an overload and only resupplies it automatically with power when the overload is eliminated after the device has sufficiently cooled down
Load output	
• Number	Two terminals for two-way switching (② and ③)
• Rated voltage	230 V AC, 50 Hz
• Rated load (up to 35 °C ambient temperature)	
– Incandescent lamps	60 ... 800 W
– HV halogen lamps	60 ... 800 W
– LV halogen lamps with electronic transformer	60 ... 800 VA
– Note	Connection of • Energy-saving lamps • Magnetic transformers is not permissible
– Maximum connected load at ambient temperature	 Warning: The connected load must be reduced by 25 %, depending on operating conditions • For mounting on wood, Rigips, gas concrete or cavity walls • For installation in multiple combinations or surface-mounting enclosures • If using highly thermally insulating materials (e.g. glass wool), it may be necessary to reduce the connected load even further
Connections	4 screw-type terminals with anti-slip terminal body, the following conductor/cross-sections are permissible: • 0.5 ... 4.0 mm² solid • 0.5 ... 2.5 mm² finely stranded, with or without end sleeve (without insulating collar, gas-tight crimp connection)
Mechanical specifications	
• Enclosure	plastic
• Dimensions	modular width: 71 mm x 71 mm, mounting depth: 32 mm
• Weight	approx. 120 g
• Fire load	approx. 1000 kJ
• Mounting	Installation in switch and socket boxes 60 mm Ø, 40 mm deep according to DIN 49073-1
Electrical safety	
• Degree of soiling (acc. to IEC 60664-1)	2
• Degree of protection (acc. to EN 60529)	IP20
• Overvoltage category (acc. to IEC 60664-1)	III
• Standard	according to EN 60669-2-1
EMC requirements	according to EN 60669-2-1, EN 61000-6-3 and EN 61000-6-1
Environmental conditions	
• Ambient operating temperature	-5 ... +45 °C
• Storage temperature	-25 ... +70 °C
• Relative humidity (non-condensing)	5 ... 93 %
Certification	VDE approved

Schematics



Overview

Economy and comfort

Modern lighting concepts are particularly cost-effective and user-friendly. The success of the Siemens fully electronic primary switching device (ECG) has played a key role in this: even lighting, 25 % less energy requirements and power-constant operation (in the case of power fluctuations) with minimum noise generation are just some of the advantages, which have even led to the ECG being used in music and film studios.

The ECG dynamic is a consistent and logical further development of this millionfold tried and tested device.

The wide dimming range – of 100 % to 1 % luminous flux – and the wattless dimmer control using low-voltage control signals opens up a whole new range of application options for ECG dynamic in the world of lighting technology.

High energy saving

If fluorescent lamps are operated on conventional primary switching devices, the system consumption is approx. 25 % higher than with ECG operation.

Conventional dimming "burns up" additional energy. In addition, the high losses of the chokes, the constant power requirements of the auxiliary electronics and the heater transformers for the coil heating, the power loss of the leading-edge phase dimmer and the required base load also need to be taken into account.

This increases the system output for the operation of a lamp L58W to up to 80 W (at maximum modulation, leading-edge phase dimmer and base load not taken into account).

The ECG dynamic heats the lamp coil in accordance with the dimmer setting, using no more intensity than necessary for reliable lamp operation; dimmer control is wattless and does not require a base load.

System wattage during full modulation of a L58W lamp is only 56 W. This is 30 % less than for conventional dimming, with practically the same luminous flux.

Technical Information

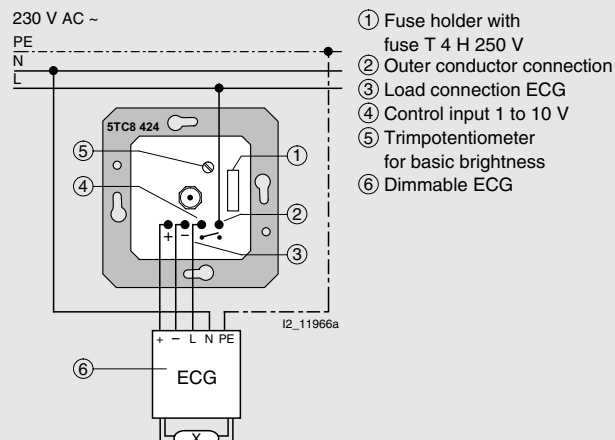
Dimmers

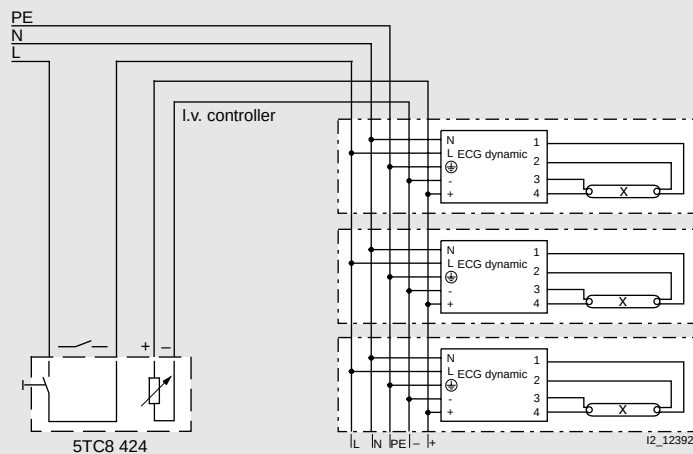
Electronic potentiometers, switch (5TC8 424)

Technical specifications

Power supply	
• Control voltage	1 ... 10 V
• Maximum control current	50 mA
• Load connection	4 A
Protection against short-circuit	with miniature fuse ① (the fuse holder contains a spare fuse)
Switching capacity	
• Number of ECGs load output	
– OSRAM Quicktronik, dimmable, 1 x 58 W LL	max. 6
– OSRAM Quicktronik, dimmable, 1 x 36 W LL	max. 9
– OSRAM Quicktronik, dimmable, 2 x 58 W LL	max. 3
– OSRAM Quicktronik, dimmable, 2 x 36 W LL	max. 4
• Number of ECGs control output	
– Osram DIMM-ECG	max. 50
• Notes	- ECGs have high starting currents: if more that six ECGs are to be switched, a power relay must be used - Always ensure that ECGs and fluorescent lamps are from the same manufacturer
Connections	4 screw-type terminals with anti-slip terminal body, the following conductor/cross-sections are permissible: 0.5 ... 4.0 mm² solid 0.5 ... 2.5 mm² finely stranded, with or without end sleeve (without insulating collar, gas-tight crimp connection)
Mechanical specifications	
• Enclosure	plastic
• Dimensions	modular width: 71 mm x 71 mm, mounting depth: 32 mm
• Weight	approx. 55 g
• Fire load	approx. 1000 kJ
• Mounting	Installation in switch and socket boxes 60 mm Ø, 40 mm deep according to DIN 49073-1
Electrical safety	
• Degree of soiling (acc. to IEC 60664-1)	2
• Degree of protection (acc. to EN 60529)	IP20
• Overvoltage category (acc. to IEC 60664-1)	III
• Standard	according to EN 60669-2-1
EMC requirements	according to EN 60669-2-1, EN 61000-6-3 and EN 61000-6-1
Environmental conditions	
• Ambient operating temperature	-5 ... +45 °C
• Storage temperature	-25 ... +70 °C
• Relative humidity (non-condensing)	5 ... 93 %
Certification	VDE approved and KEMA-approved

Schematics





Electronic potentiometers for dimmer control

Technical Information

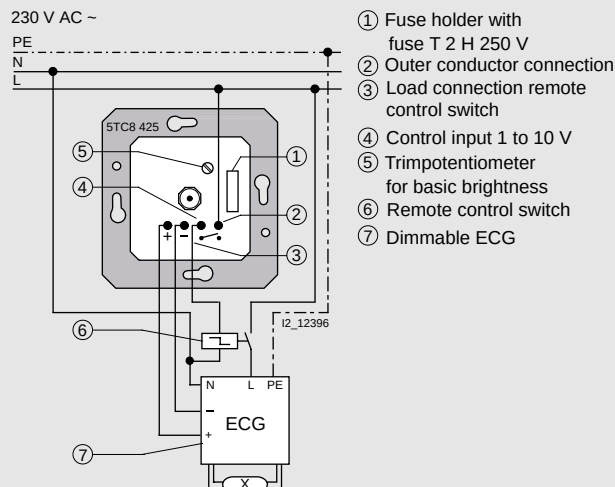
Dimmers

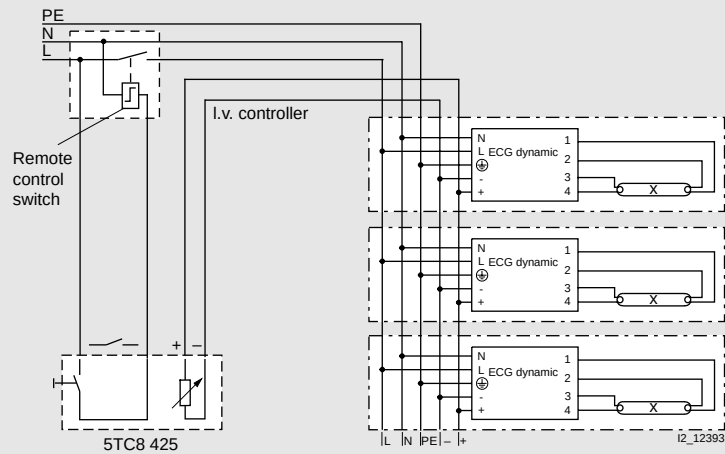
Electronic potentiometers, pushbutton (5TC8 425)

Technical specifications

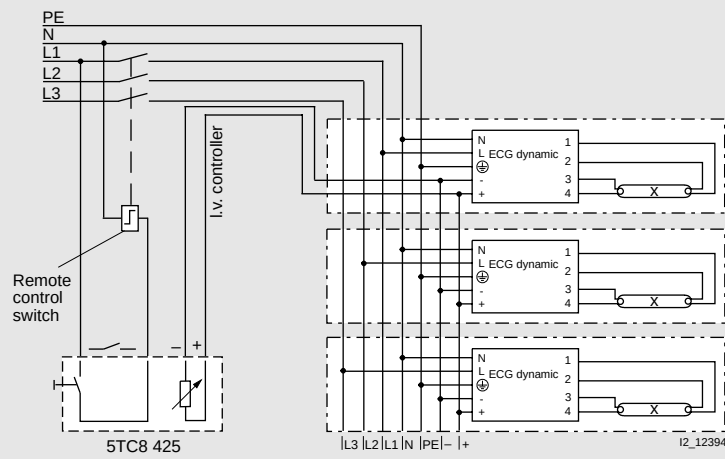
Power supply	
• Control voltage	1 ... 10 V
• Maximum control current	50 mA
• Load connection	2 A
Protection against short-circuit	with miniature fuse ① (the fuse holder contains a spare fuse)
Switching capacity	
• Number of ECGs load output	depending on the remote control switch or installation contactor selected
• Number of ECGs control output	
– Osram DIMM-ECG	max. 50
Connections	4 screw-type terminals with anti-slip terminal body, the following conductor/cross-sections are permissible: • 0.5 ... 4.0 mm² solid • 0.5 ... 2.5 mm² finely stranded, with or without end sleeve (without insulating collar, gas-tight crimp connection)
Mechanical specifications	
• Enclosure	plastic
• Dimensions	modular width: 71 mm x 71 mm, mounting depth: 32 mm
• Weight	approx. 55 g
• Fire load	approx. 1000 kJ
• Mounting	Installation in switch and socket boxes 60 mm Ø, 40 mm deep according to DIN 49073-1
Electrical safety	
• Degree of soiling (acc. to IEC 60664-1)	2
• Degree of protection (acc. to EN 60529)	IP20
• Overvoltage category (acc. to IEC 60664-1)	III
• Standard	according to EN 60669-2-1
EMC requirements	according to EN 60669-2-1
Environmental conditions	
• Ambient operating temperature	-5 ... +45 °C
• Storage temperature	-25 ... +70 °C
• Relative humidity (non-condensing)	5 ... 93 %
Certification	VDE approved and KEMA-approved

Schematics





Electronic potentiometer with pushbutton control for dimmer control, 1-phase



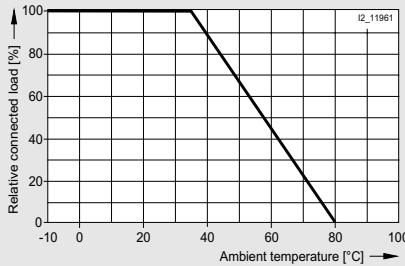
Electronic potentiometer with pushbutton control for dimmer control, 3-phase

Technical Information

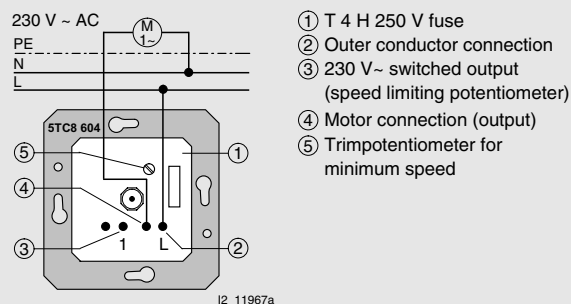
Dimmers

Speed regulating rheostats, 0.1 to 2.6 A (5TC8 604)

Technical specifications

Power supply	Mains connection 230 V (2-wire method), rated voltage: 230 V AC, 50/60 Hz
Protection against short-circuit	with fuse ① (the fuse holder contains a spare fuse)
Protection against overloads	with additional temperature cutout, which permanently shuts down the speed regulating rheostat in the event of an overload
Load output	
• Number	1 (④)
• Rated voltage	230 V AC, 50/60 Hz
• Rated load (up to 35 °C ambient temperature)	
– Single-phase induction motor	25 ... 600 VA / 0.1 ... 2.6 A
– Note	The outer conductor must be connected to the L terminal as the device may otherwise be permanently damaged
– Maximum connected load at ambient temperature	 Warning: The connected load must be reduced by 20 %, depending on operating conditions • For mounting on wood, Rigips, gas concrete or cavity walls • For installation in multiple combinations or surface-mounting enclosures
Connections	Four screw-type terminals with anti-slip terminal body The following conductor/cross-sections are permissible: • 0.5 ... 4.0 mm² solid • 0.5 ... 2.5 mm² finely stranded, with or without end sleeve (without insulating collar, gas-tight crimp connection)
Mechanical specifications	
• Enclosure	plastic
• Dimensions	modular width: 71 mm x 71 mm, mounting depth: 32 mm
• Weight	approx. 105 g
• Fire load	approx. 1000 kJ
• Mounting	Installation in switch and socket boxes 60 mm Ø, 40 mm deep according to DIN 49073-1
Electrical safety	
• Degree of soiling (acc. to IEC 60664-1)	2
• Degree of protection (acc. to EN 60529)	IP20
• Overvoltage category (acc. to IEC 60664-1)	III
• Standard	according to EN 60669-2-1
EMC requirements	according to EN 60669-2-1, EN 61000-6-3 and EN 61000-6-1
Environmental conditions	
• Ambient operating temperature	-5 ... +45 °C
• Storage temperature	-25 ... +70 °C
• Relative humidity (non-condensing)	5 ... 93 %
Certification	VDE approved and KEMA-approved

Schematics



Overview

The IP55 motion detector is a surface-mounted device, which passively registers the thermal radiation of bodies moving within its sensing range. It automatically switches the connected loads on and off. The motion detection is indicated by a flashing red LED integrated in the sensor.

No thermal radiation is detected through obstacles, such as walls or glass panes, so there is no switching.

The brightness operating point and the delay time are infinitely adjustable.

The device is also designed for installation in existing staircase light timer systems.

It cannot be guaranteed suitable for use in other applications.

Note: Further remote controls are available as optional extras for the 290° IR version.

Design

The motion detector is suitable for wall or ceiling mounting.



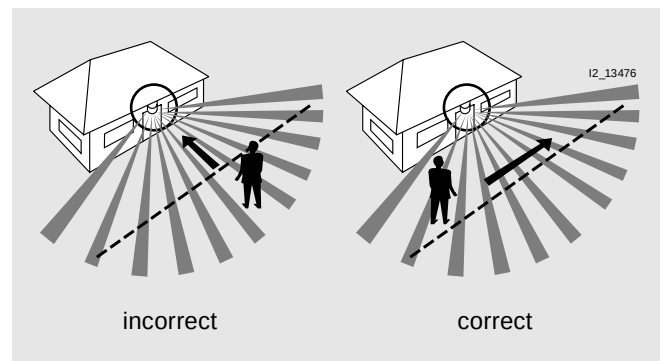
Mounting of motion detector on the wall



Mounting of motion detector on the ceiling

If using the optionally available special base (5TC7 900 or 5TC7 901), it can also be mounted on an 90° inside or outside angle.

For optimum motion detection, the motion detector should be mounted laterally to the direction of walking.



Positioning of the motion detector

The optimum assembly height is 2.50 m.

When mounting a light in the range of the motion detector, there must be a clearance of at least 0.5 m.

Do not mount motion detectors directly above a light. Wherever possible, it should be mounted underneath.

In order to avoid unintended switching operations, potential sources of interference (e.g. flows of warm air, moving bushes or branches) should be taken into consideration when selecting the mounting location. Areas that you do not want to monitor can be blocked out by mounting the cover plates included in delivery.

Function

Commissioning

The first time the rated voltage is applied, or after each system interruption of more than 3 s, the initialization phase of the motion detector is restarted.

Initialization phase

When the initialization phase is started, the connected loads are switched on for approx. 2 s. The red LED in the inside of the lens flashes approx. 3 times a second for approx. 45 s until the device automatically switches to test mode.

Test mode

Users can manually check the sensing range in this brightness-independent mode with a switch-on time of 1 s and a delay time of 2 s. During this check, it is possible to change the direction and angle of the lens. On expiry of the time span of 10 min set for test mode, the motion detector automatically switches to the factory setting

(brightness operating point: 7 lux / delay time 2 min) or to the individual settings.

If you wish to reactivate test mode, this can be triggered by simultaneously pressing the S1 and S2 pushbuttons for a minimum of 3 s (max. 5 s). The LED flashes rapidly for 3 s and then remains on. When the pushbuttons are released, test mode is confirmed by the LED flashing twice. You can cancel test mode by briefly pressing the S1 or S2 pushbutton. After a maximum of 10 min, the motion detector automatically reverts to the previously selected setting (factory setting or individual setting).

Technical Information

Motion Detectors

Motion detectors IP55

Sensing range

The sensing range can be changed by turning the lens +/- 30° to the left or right.

If you need to limit the range, you need to cut out the supplied transparent cover plate in accordance with your required monitoring area.

The range can be changed by adjusting the swivel arm through up to 120°.

Reset

Simultaneously press the S1 and S2 pushbuttons for a minimum of 6 s. The motion detector is then reset to its factory setting (brightness operating point: 7 lux / On period: 2 min). This setting is suitable for the majority of applications. Once the reset is successfully completed, this is confirmed by the red LED in the lens flashing twice.

Individual setting

You can use the S1 and S2 pushbuttons to individually set the brightness operating point and delay time.

Brightness-independent mode

In this operating mode, the load is switched on for the set delay time at each movement, irrespective of the current brightness.

Brightness-dependent mode

In this operating mode, the load is only switched on for the set delay time when it detects movement, if the brightness falls below the current brightness operating point. If you require a brightness operating point that differs from the factory setting, you can store the

current light conditions as the operating point in the memory of the motion detector by pressing the S1 pushbutton for less than 3 s.

Pulse mode

The pulse mode is activated / deactivated by pressing the S2 pushbutton for longer than 3 s. In this operating mode, the load is switched on for one second when it detects movement if the brightness falls below the current brightness operating point. There is then no further reaction to any movement for 9 s.

Note: By pressing the pushbutton for longer than 3 s, you can switch between pulse mode and delay time mode.

The pulse mode is primarily used for controlling staircase light timers.

Select individual delay time

The required delay time is started by pressing the S2 pushbutton for less than 3 s. By repressing the S2 pushbutton for less than 3 s, you can store the time between the first and second press of the pushbutton as an individual delay time. The shortest programmable individual delay time is 5 s.

Comfort function

Comfort function through the use of optional switches or pushbuttons (requirement: device is in delay time mode - not in pulse mode)

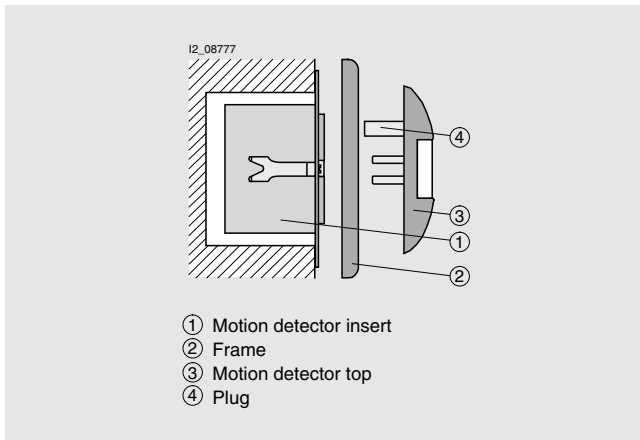
A general distinction is made between a long (> 2 s) and a short (0.2 to 2 s) system interruption.

Technical specifications

Power supply	
• Rated voltage	230 V AC, +/-10 %, 50/60 Hz
Connections	
• Solid conductors	1 mm² ... 4 mm², max. 2 x 2.5 mm²
• Stranded conductors (only with end sleeve)	1 mm² ... 2.5 mm², max. 1 x 2.5 mm²
Electrical data	
• Power loss	approx. 1 W
• Twilight sensor	from approx. 0.5 lux brightness-independent mode
• Delay time	5 s ... 30 min
• Pulse mode	1 s ON / 9 s OFF
• Test mode	2 s brightness-independent mode
Max. switching capacity	
• 120° version	
– Incandescent lamps	1000 W
– fluorescent lamps (KVG)	8 x 58 W (uncorrected)
– energy-saving lamps	4 units
– series fuse	max. 10 A
• 290° and 290° IR version	
– Incandescent lamps	2300 W
– fluorescent lamps (KVG)	20 x 58 W (uncorrected)
– energy-saving lamps	8 units
– series fuse	max. 10 A

Mechanical specifications	
• Enclosure	plastic (PC, ABS)
• Adjustment range of swivel arm	max. 120°
• Dimensions (L x W x D)	180 x 86 x 74 mm
• Weight	235 g
• Degree of protection	IP55
• Range (assembly height 2.5 m/ +22°C)	
– version 120	approx. 10 m
– 290° and 290° IR version	approx. 16 m
• Assembly height:	2 - 4 m, ideally 2.50 m
Electrical safety	
• Degree of protection (according to EN 60529)	IP55
• Overvoltage category (according to IEC 60664-1)	III
• Device complies with	EN 60669-1 and EN 60669-2-1
Environmental conditions	
• Storage temperature	-30 ° ... +70 °
• Rel. humidity (non-condensing)	5 % ... 93 %
Certification	
• VDE certificate	yes
• CE marking	yes
• According to EMC Directive, Low Voltage Directive	yes

Design



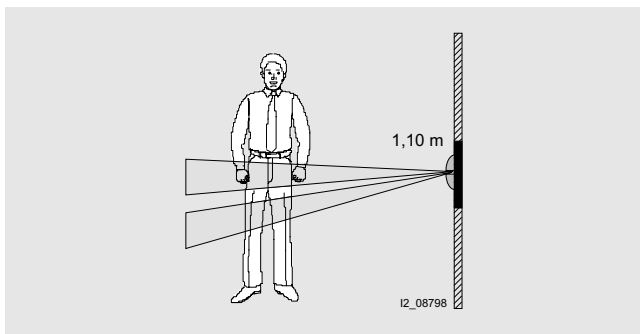
The motion detector insert ① is mounted in a DIN 49073-compliant device box.

The terminals of the insert must be directed downwards (wall mounting). Failure to do so may cause malfunctions.

Together with the motion detector top ③, the frame ② is plugged onto the insert.

An optimum detection is attained by mounting the top laterally to the walking direction. Otherwise, a delayed detection must be taken into account.

1.10 m lens



Mode of operation of the 1.10 m lens

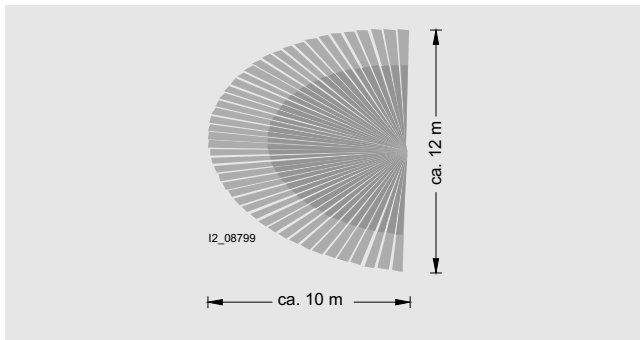
The assembly height generally amounts to 1.10 m.

The lens has a sensing range with an opening angle of 180° in two levels.

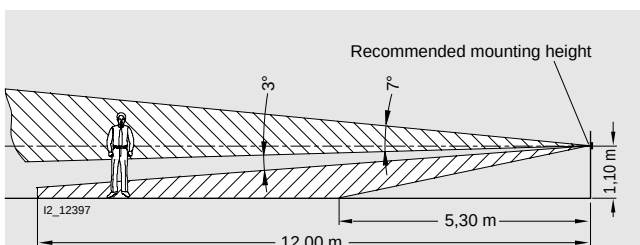
The size of the sensing range amounts to approx. 10 x 12 m related to an assembly height of 1.10 m. With other assembly heights, the detection radius varies.

As a result of the right-angled adjustment of the upper lens area, the sensing range is not subject to spatial limitations. Therefore, even motions outside the defined sensing range may initiate switching operations under certain circumstances (overreach).

Note: due to the almost horizontal adjustment of the upper sensing level, the motion detector tops equipped with the 1.10 m lens are generally only suitable for indoor use. If mounted in outdoor areas, the sensors may be irreparably damaged by direct sunshine.



Sensing range of the 1.10 m lens



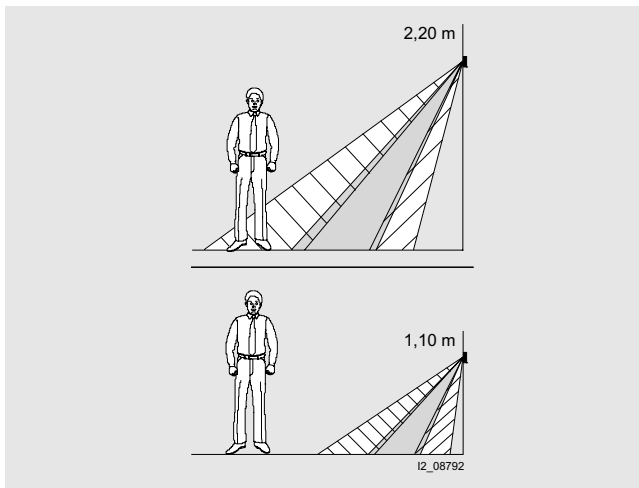
Technical Information

Motion Detectors

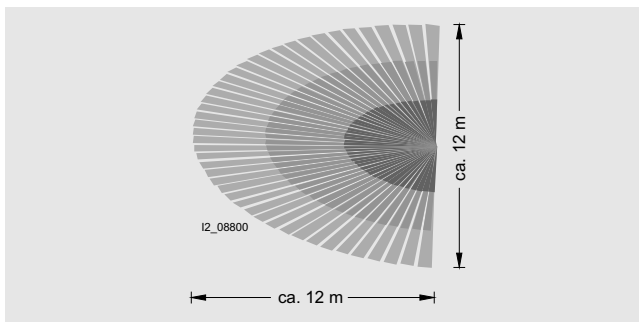
Motion detector tops

Design

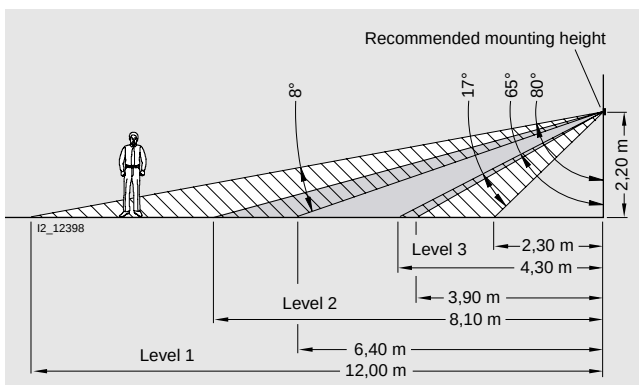
The 2.20 m lens



Mode of operation of the 2.20 m lens



Sensing range of the 2.20 m lens

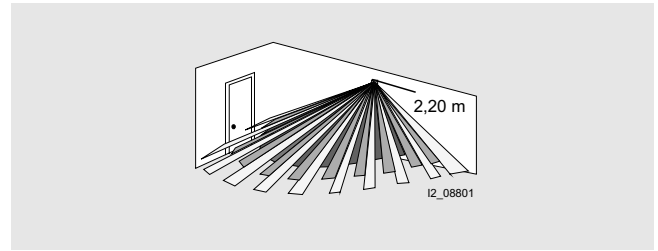


The lens has three ranges of sensing levels, so that the sensing range is divided into near, medium and distant range.

Avoidance of sources of interference

In order to avoid unintended switching operations, the following instructions should be complied with during installation:

- Heat radiation from the lighting or insufficient distance between the motion detector and the lamp may cause an undefined switch-on operation to be initiated.



The sensing levels of the 2.20 m lens arranged from top to bottom.

The assembly height generally amounts to 2.20 or 1.10 m.

If an assembly height higher than 2.20 m is selected, please note that under certain circumstances the energy radiated by a more distant heat signal source is not sufficient to release the motion detector top.

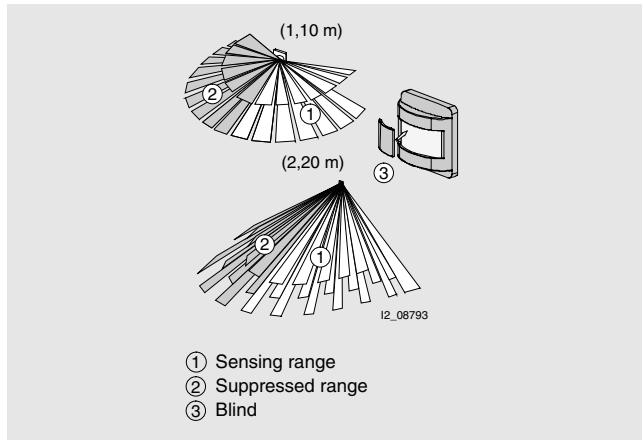
The lens has a sensing range with an opening angle of 180° in three levels. The three levels are directed from the top to the bottom.

The size of the sensing range is as follows:

- For an assembly height of 2.20 m: approx. 12 m x 12 m
- For an assembly height of 1.10 m: approx. 6 m x 6 m

- When selecting the mounting location, it should be ensured that no sources of interference, e.g. lamps or heaters are positioned within the sensing field. If this is not possible, a plug-on blind should be used.

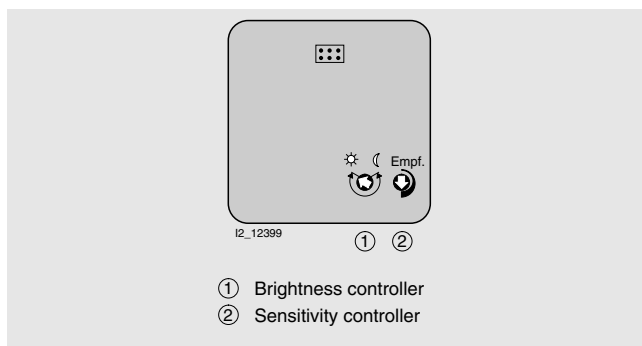
Use of the plug-on blind



Using the plug-on blind, sources of interference can be suppressed by narrowing the sensing range. The blind covers 90° of the left or right sensing range.

Programming

Setting the brightness threshold



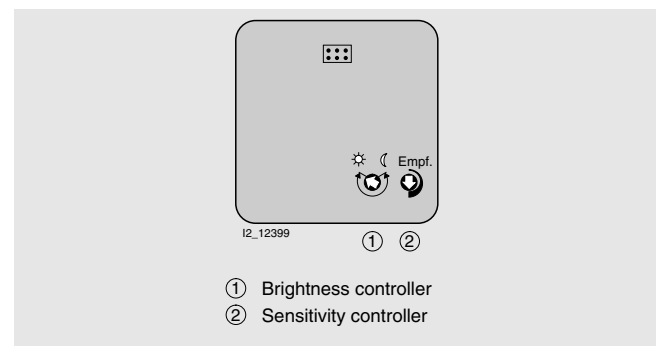
The brightness threshold is the threshold of the brightness at which a detected movement releases a switching operation. The brightness threshold can be set within a range of approx. 0 to 80 Lux.

To modify the brightness threshold, the controller ② must be turned in the desired direction.

If the controller ① is set to the "sun" limit stop (> 80 Lux), the motion detector top works in daytime operation and therefore switches irrespective of the current brightness level.

Note: if the motion detector top no longer responds to a detected motion at the "moon" limit stop (night setting, 0 Lux), the controller ① must be slightly turned in the direction of the sun.

Setting the sensitivity



The motion detector top has an internal algorithm which automatically adjusts the device to ambient conditions. This virtually eliminates the possibility of unintended switching operations.

Under normal circumstances, the controller should be set to maximum sensitivity.

If, in exceptional cases, it is necessary to determine a different sensitivity level, this can be done using the controller ②.

Behavior in case of power failure/recovery

Interruption time	Behavior
< 200 ms	No change of the switching state.
200 ms ... approx. 1 s	In case of a power recovery, the duration of the delay time is activated (retriggering)
> approx. 1 s	In case of power recovery, auto-test for approx. 60 s the lighting is switched on for the time of the auto-test. after the test has been completed, the lighting is switched off and the motion detector top is ready for operation.

Behavior when pulling off the motion detector top

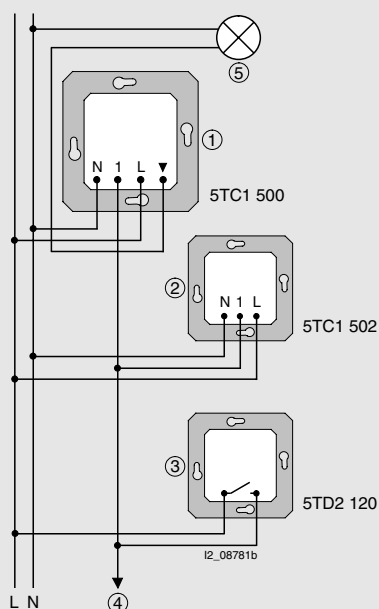
The insert's switching state remains. If the motion detector top is plugged on again, it behaves in the same way as after a power failure of more than approx. 1 s.

Technical Information

Motion Detectors

Motion detector tops

Schematics



- ① Motion detector relay insert
- ② Motion detector extension unit insert
- ③ Mechanical pushbutton without a glow lamp
- ④ Connection of further extension units
- ⑤ Load

Caution: it is not permissible to connect motion detector center units in parallel.

Extension units

The sensing range of the center unit can be extended by means of a motion detector extension unit insert ② in connection with a motion detector top. Motion detector extension unit inserts issue brightness-independent motion signals to the center unit. The brightness evaluation and the delay time are determined by the center unit.

Mechanical pushbuttons

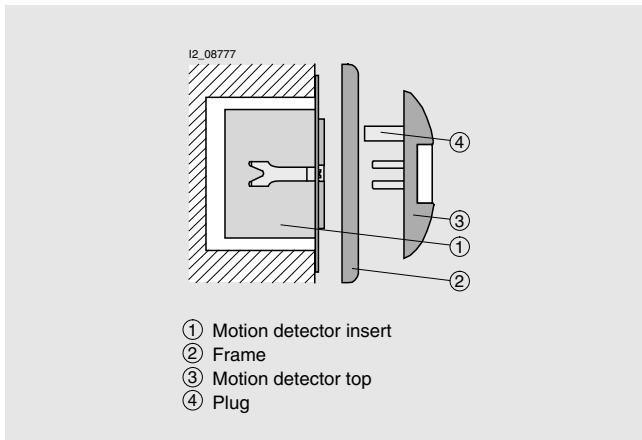
Using a mechanical pushbutton without a glow lamp ③ the lighting can be switched on or retriggered irrespective of the current brightness level.

It is not possible to switch off the lighting.

Note:

- Long and short operation have the same effect.
- It is not permissible to connect motion detector center units in parallel.
- If the mechanical pushbutton requires lighting, the 5TD2 114 type can be installed if there is a neutral wire.

Design



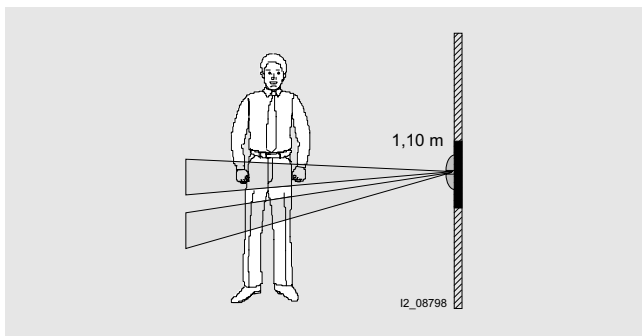
The motion detector insert ① is mounted in a DIN 49073-compliant device box.

The terminals of the insert must be directed downwards (wall mounting). Failure to do so may cause malfunctions.

Together with the motion detector top ③, the frame ② is plugged onto the insert.

An optimum detection is attained by mounting the top laterally to the walking direction. Otherwise, a delayed detection must be taken into account.

1.10 m lens



Mode of operation of the 1.10 m lens

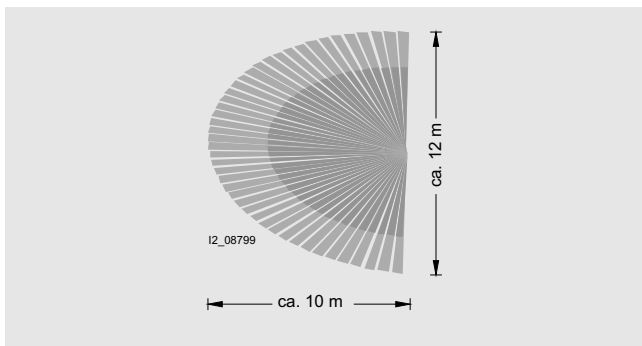
The assembly height generally amounts to 1.10 m.

The lens has a sensing range with an opening angle of 180° in two levels.

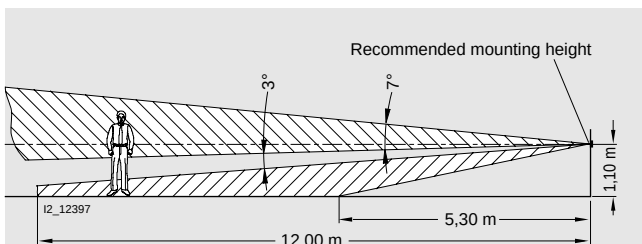
The size of the sensing range amounts to approx. 10 x 12 m related to an assembly height of 1.10 m. With other assembly heights, the detection radius varies.

As a result of the right-angled adjustment of the upper lens area, the sensing range is not subject to spatial limitations. Therefore, even motions outside the defined sensing range may initiate switching operations under certain circumstances (overreach).

Note: due to the almost horizontal adjustment of the upper sensing level, the motion detector tops equipped with the 1.10 m lens are generally only suitable for indoor use.



Sensing range of the 1.10 m lens



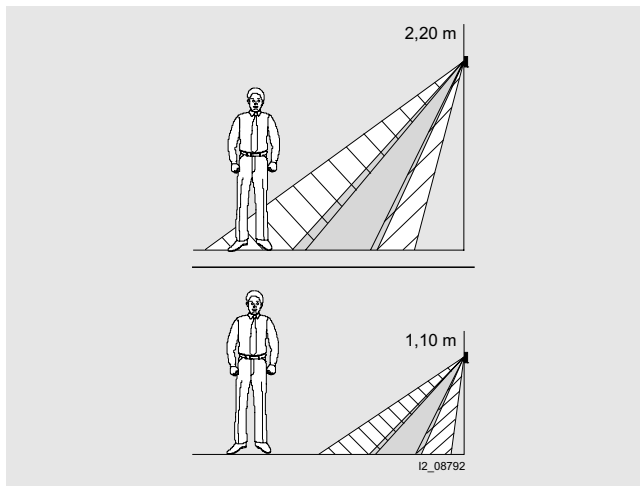
Technical Information

Motion Detectors

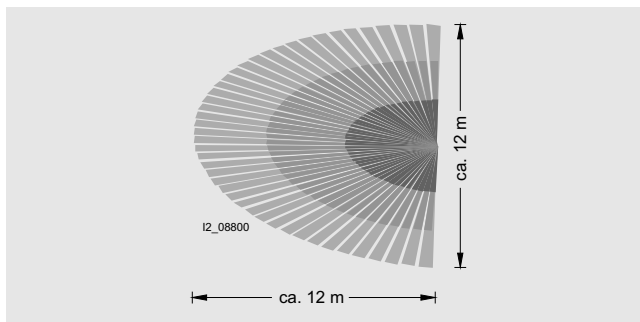
Comfort motion detector tops

Design

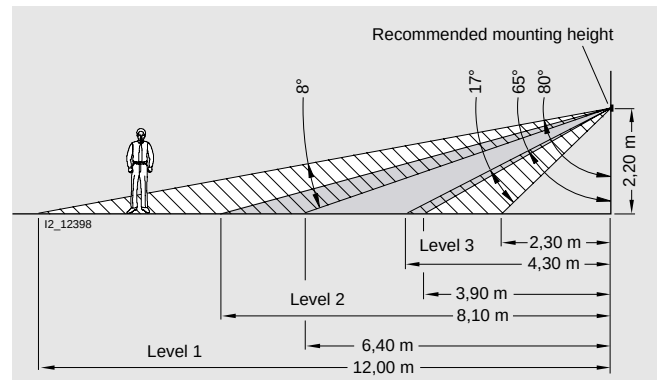
The 2.20 m lens



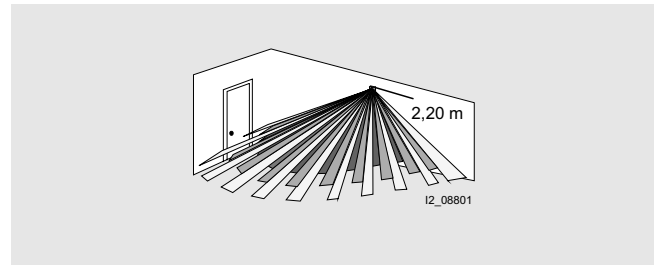
Mode of operation of the 2.20 m lens



Sensing range of the 2.20 m lens



The lens has three ranges of sensing levels, so that the sensing range is divided into near, medium and distant range.



The sensing levels of the 2.20 m lens arranged from top to bottom.

The assembly height generally amounts to 2.20 or 1.10 m.

If an assembly height higher than 2.20 m is selected, please note that under certain circumstances the energy radiated by a more distant heat signal source is not sufficient to release the motion detector top.

The lens has a sensing range with an opening angle of 180° in three levels. The three levels are directed from top to bottom.

The size of the sensing range is as follows:

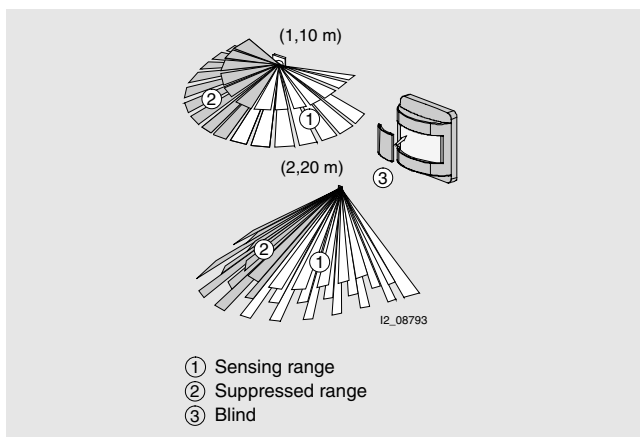
- For an assembly height of 2.20 m: approx. 12 m x 12 m
- For an assembly height of 1.10 m: approx. 6 m x 6 m

Avoidance of sources of interference

In order to avoid unintended switching operations, the following instructions should be complied with during installation:

- Heat radiation from the lighting or insufficient distance between the motion detector and the lamp may cause an undefined switch-on operation to be initiated.

Use of the plug-on blind

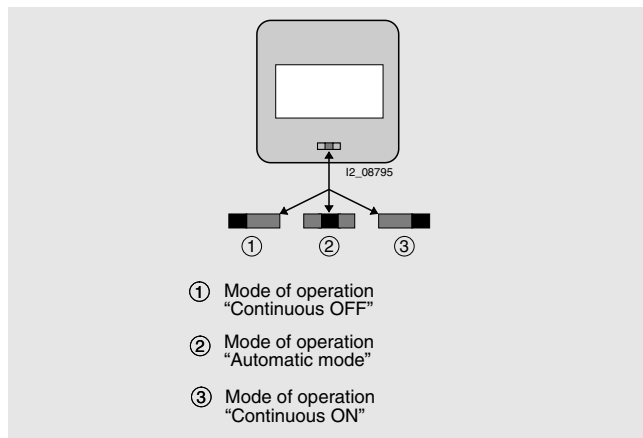


- When selecting the mounting location, it should be ensured that no sources of interference, e.g. lamps or heaters are positioned within the sensing field. If this is not possible, a plug-on blind should be used.

Using the plug-on blind, sources of interference can be suppressed by narrowing the sensing range. The blind covers 90° of the left or right sensing range.

Programming

Operating modes



At the Comfort motion detector top, three different operating modes can be set by means of a switch:

• Continuous OFF

For this mode, the switch must be moved to the ① position. The lighting is continuously switched off. Switching is not possible by means of extension units.

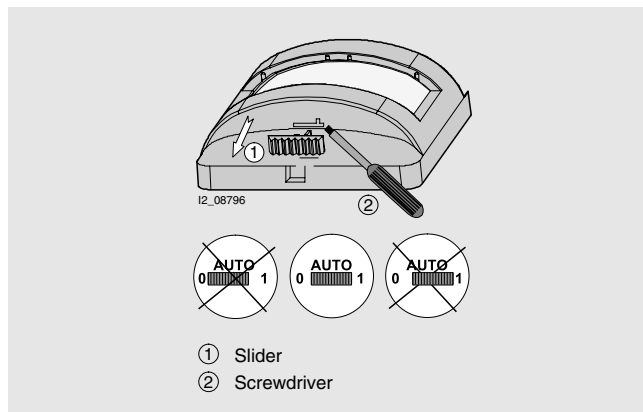
• Automatic mode

For this mode, the switch must be moved to the ② position. If a motion is detected, the Comfort motion detector top switches on in dependence of brightness and if the motion is no longer detected, it is switched off after the set delay time has expired. Switching is possible by means of extension units.

• Continuous "ON"

For this mode, the switch must be moved to the ③ position. The lighting is continuously switched on. Switching is not possible by means of extension units.

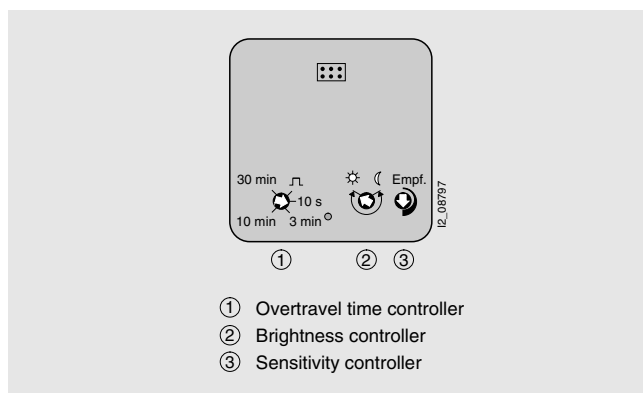
Interlocking of the switch



The switch can be interlocked in the automatic mode switching position using an interlocking clip:

- Set the device to automatic mode
- Carefully remove the slider ① with a screwdriver.
- Insert the interlocking clip

Adjusting the delay time



The delay time determines how long the lighting remains switched on if a motion is no longer detected. The delay time can be set within a range of 10 s to approx. 30 min. The setting is carried out non-linearly, longer times can only be specified within a relatively rough grid.

To modify the delay time, turn the ① controller in the desired direction.

If the Comfort motion detector top has switched on, each further detected motion results in a retriggering of the delay time. This means, the delay time starts anew.

The Comfort motion detector top does not provide for a forcibly actuated shutdown. This means, continuous motion within the sensing field results in continuous light.

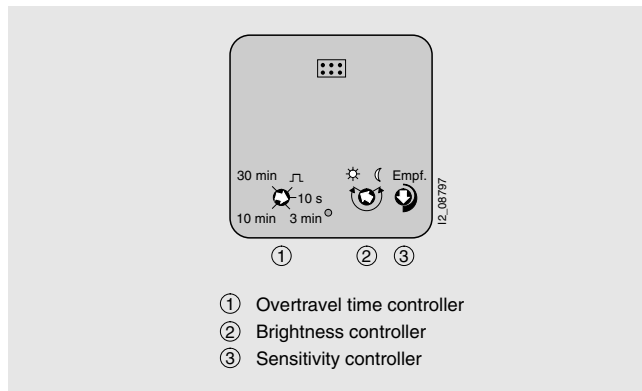
Technical Information

Motion Detectors

Comfort motion detector tops

Programming

Setting of short-time operation

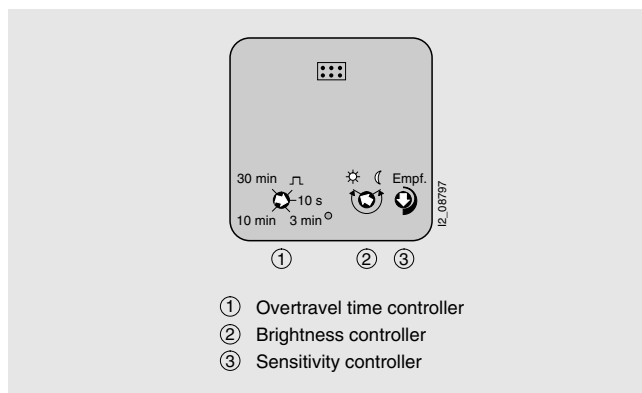


Within the scope of a special operating mode, the Comfort motion detector top can also be set to short-time duty. The short-time duty operates irrespective of the current brightness level and can be used, e.g. for controlling a bell.

For this mode the delay time controller ① is set to the shortest time (symbol similar to Ω).

If a motion is detected, the Comfort motion detector top switches on for 0.5 s. If the detector continues to detect motions, the lighting is not switched on again until an interlocking time of 3 s has expired.

Setting of the brightness threshold



The brightness threshold is the threshold of the brightness at which a detected movement releases a switching operation. The brightness threshold can be set within a range of approx. 0 to 80 Lux.

To modify the brightness threshold, the controller ② must be turned in the desired direction.

If the controller ② is set to the "sun" limit stop (> 80 Lux), the Comfort motion detector top works in daytime operation and therefore switches irrespective of the current brightness level.

Releasing the teach function

By means of the teach function, the current ambient brightness can be stored as brightness threshold whereas the brightness threshold set at the controller is no longer evaluated.

To activate the teach function, the Comfort motion detector top must be completely covered briefly (approx. 1 s) at least 3 times, e.g. using your hand, within a 9-second period.

As soon as the Comfort motion detector top has detected three light changes, the teach function is activated. For acknowledgment,

- the switched on lighting is switched off and subsequently switched on for 3 s,
- the switched off lighting is switched on for 3 s.

Note: if the Comfort motion detector top no longer responds to a detected motion at the "moon" limit stop (night setting, 0 Lux), the controller ② must be slightly turned in the direction of the sun. The Comfort motion detector top is characterized by a high level of external light immunity. For this reason, the Comfort motion detector top

- does not interpret a brief illumination, e.g. by means of a flashlight, as "brightness threshold exceeded" causing it not switch on in the case of motion. It is therefore not possible to disable activation of the motion detector by exposing it briefly to a bright light,
- it also does not interpret brief unintentional shadowing, e.g. by a person, as "brightness threshold fallen below" and does not switch on in case of motion.

The external light immunity is attained by a time delay.

When brightness turns into darkness, the set brightness threshold must be fallen below for at least 10 s before detected motions initiate a switching operation.

The same applies to the changeover from darkness to brightness. Only if the set threshold value has been exceeded by at least 10 s, detected motions no longer initiate a switching operation.

Exception: If the Comfort motion detector top has just switched off, the 10 s time delay is no longer active.

During the next minute you have to step back from the Comfort motion detector top to enable it to correctly measure and store the current brightness.

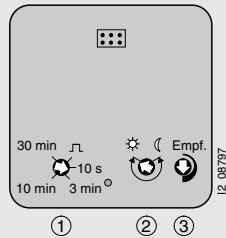
To acknowledge the storage, the lighting is switched on for 3 s.

The Comfort motion detector top then switches to the set operating mode.

If the brightness threshold set at the controller is to be reactivated, the Comfort motion detector top must be pulled off the insert and plugged on again.

Programming

Setting the sensitivity



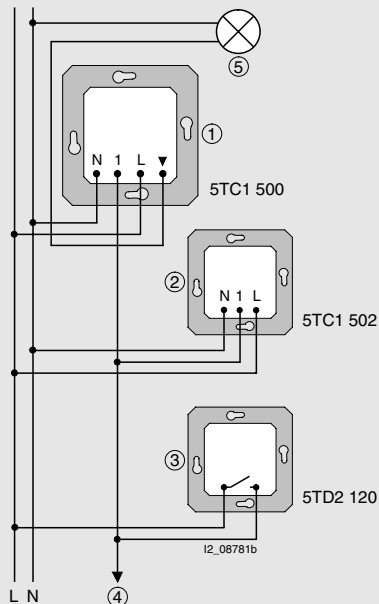
- ① Overtravel time controller
- ② Brightness controller
- ③ Sensitivity controller

The Comfort motion detector top has an internal algorithm which carries out an automatic adjustment to the ambient conditions. This virtually eliminates the possibility of unintended switching operations.

Under normal circumstances, the controller should be set to maximum sensitivity.

If, in exceptional cases, it is necessary to determine a different sensitivity level, this can be done using the controller ③.

Schematics



- ① Motion detector relay insert
- ② Motion detector extension unit insert
- ③ Mechanical pushbutton without a glow lamp
- ④ Connection of further extension units
- ⑤ Load

Extension units

The sensing range of a center unit can be extended by extension units. This can be achieved by combining, for example, a Comfort motion detector top with a motion detector extension unit insert and connecting it to the center unit.

Caution:

- Motion detector extension units are not suitable for the direct switching of loads but just issue brightness-independent motion signals to the center unit.
- The brightness threshold, the operating mode and the delay time are set and evaluated at the center unit only.
- The operating mode switch and the controllers for brightness and delay time of the Comfort motion detector top on the extension unit have no function.
- The sensitivity of the Comfort motion detector top, which is plugged on the extension unit, may be adjusted, if required, by means of the respective controller (see the section *Programming*).
- When combining the Comfort motion detector top with the motion detector extension unit insert, please note that after the lighting has been switched off, there is an interlocking time of approx. 3 s before the extension unit can be switched on again.

Mechanical pushbuttons

Using mechanical pushbuttons without a glow lamp (NO contact) ③ and with automatic mode activated, the Comfort motion detector top can be operated from several sides.

In case of a short operation in the switched off state, the lighting is switched on irrespective of the current brightness level.

It is not possible to switch off the lighting.

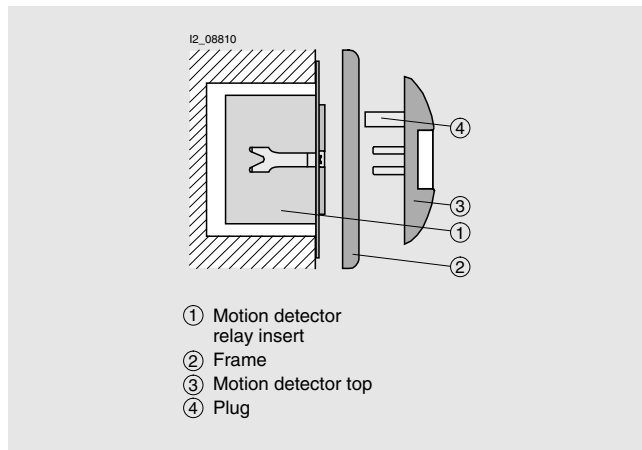
Caution: It is not permissible to connect motion detector center units in parallel.

Technical Information

Motion Detectors

Motion detector relay inserts (5TC1 500)

Design



The motion detector insert ① is mounted in a DIN 49073-compliant device box.

The terminals of the motion detector relay insert must be directed downwards (for wall mounting).

Only use the motion detector relay insert in combination with a motion detector top. Plug the motion detector top ③ together with the frame ② onto the insert. The electrical contacting is achieved over the plug ④.

Plug on the motion detector top prior to applying the supply voltage. Do not replace the motion detector top with the power supply applied as otherwise a malfunction is caused.

Power losses > 1 s lead to a switch-off of the motion detector relay insert.

Connect an upstream miniature circuit-breaker 10 A for device protection.

Observe the maximum connected load and the load specifications contained in the technical specifications.

Depending on the mounting type, the max. connected load must be reduced:

- by –10 % each time the ambient temperature of 25 °C is exceeded by 5 °C,
- by –15 % for mounting on wood, Rigips or hollow walls,
- by –20 % for mounting in multiple combinations

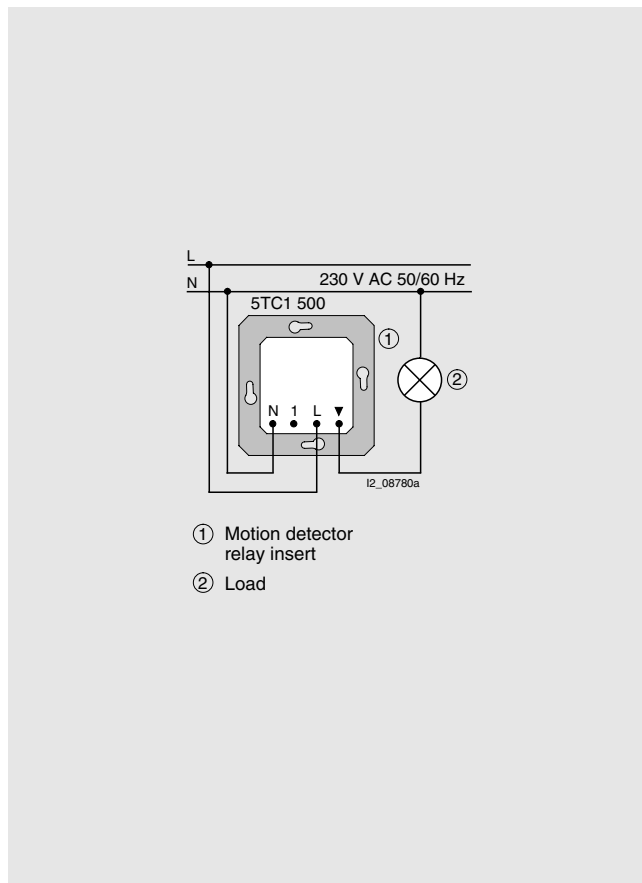
Use of extension units

The sensing field of the center unit can be extended by means of the motion detector extension unit insert.

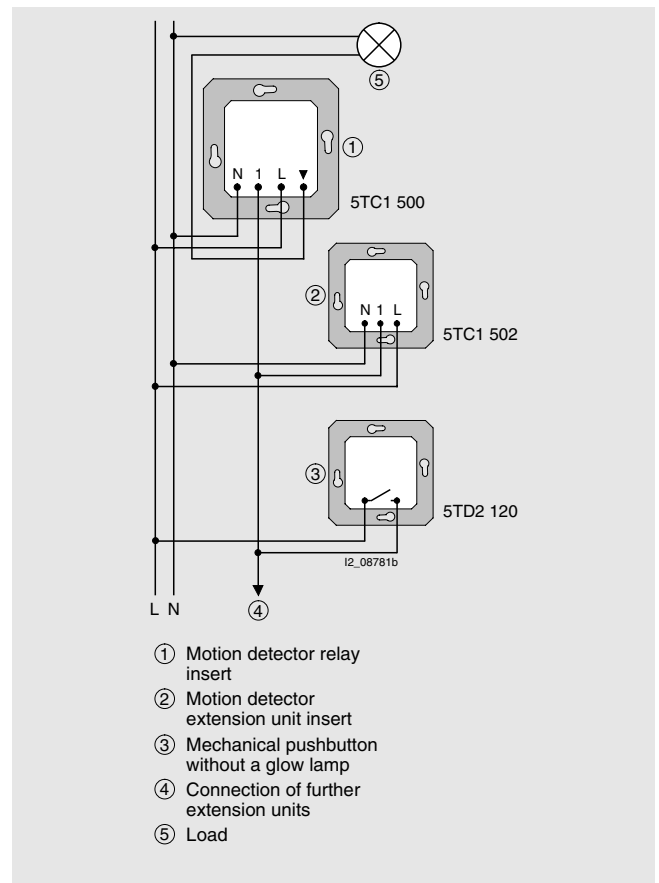
If mechanical pushbuttons are used (NO contacts), the lighting can be switched on from several sides irrespective of the current brightness level.

Note: for operation with extension units, it is compulsory to mount a motion detector top on the center unit. Otherwise, there will be no function. A motion detector extension unit insert and a mechanical pushbutton without a glow lamp can be connected to a center unit in combination.

Schematics

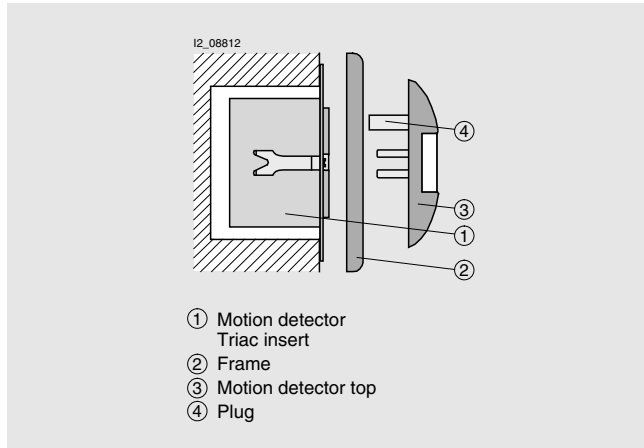


Connection of motion detector relay inserts



Connection of all possible inserts

Design



The motion detector triac insert ① is mounted in a DIN 49073-compliant device box.

The terminals of the motion detector triac insert must be directed downwards (for wall mounting).

Only use the motion detector triac insert in combination with a motion detector top ③. Together with the frame ②, the top is plugged onto the insert ①. The electrical contacting is achieved over the plug ④.

Load conventional transformers with at least 85 % of the rated load with lamps.

The total load including the transformer power loss must not exceed 400 W/VA.

Depending on the mounting type, the max. connected load must be reduced:

- by –10 % each time the ambient temperature of 25 °C is exceeded by 5 °C,
- by –15 % for mounting on wood, Rigips or hollow walls,
- by –20 % for mounting in multiple combinations

Use of extension units

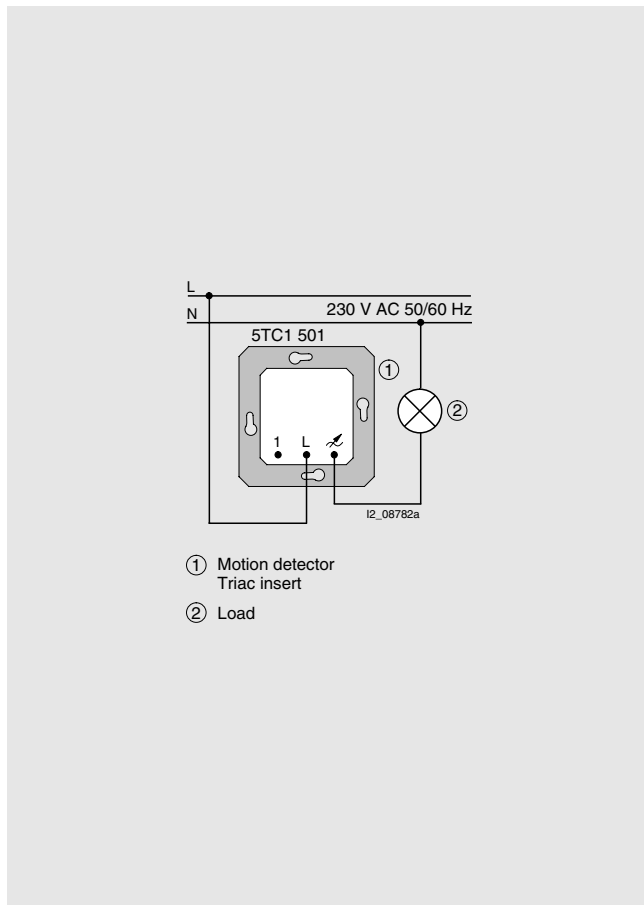
The sensing field of the center unit can be extended by means of the motion detector extension unit insert.

If mechanical pushbuttons are used (NO contacts), the lighting can be switched on from several sides irrespective of the current brightness level.

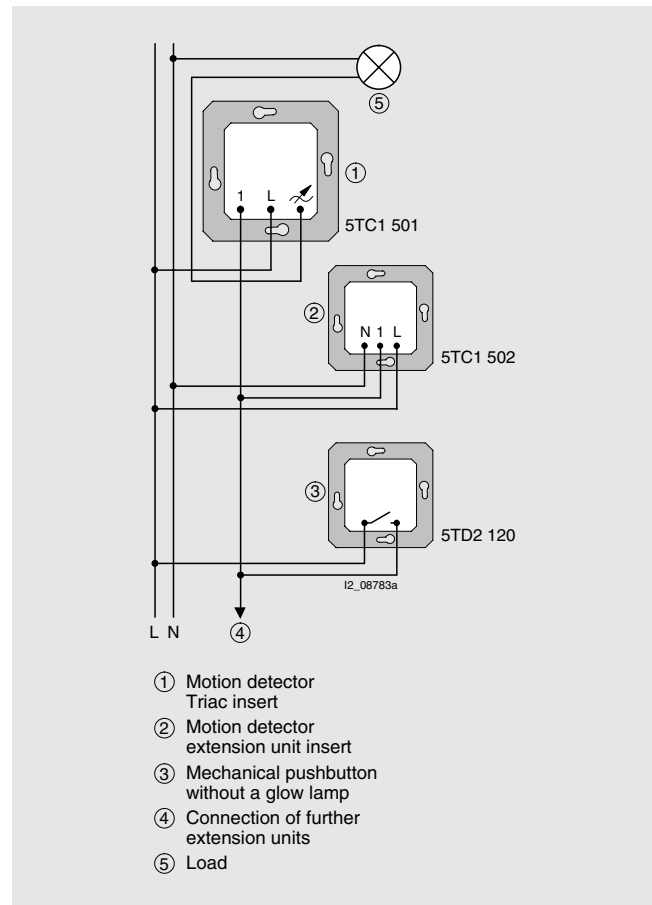
Note: for operation with extension units, it is compulsory to mount a motion detector top on the center unit. Otherwise, there will be no function.

A mechanical pushbutton insert without a glow lamp and a motion detector extension unit insert may also be combined.

Schematics



Connection of the motion detector triac insert



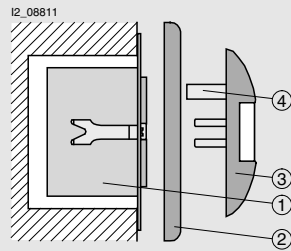
Connection of all possible inserts

Technical Information

Motion Detectors

Motion detector extension unit inserts (5TC1 502)

Design



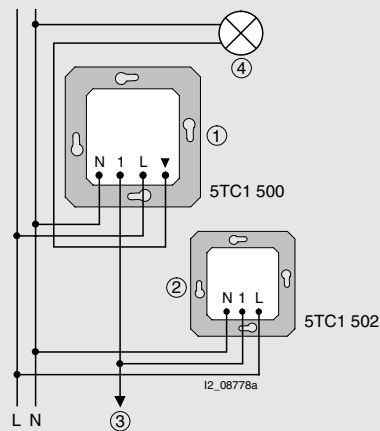
- ① Motion detector extension unit insert
- ② Frame
- ③ Motion detector top
- ④ Plug

The motion detector extension unit insert ① is mounted in a DIN 49073-compliant device box. The terminals of the insert must be directed downwards (for wall mounting).

Together with the frame ②, the top ③ is plugged onto the insert.

The electrical contacting is achieved over the plug ④.

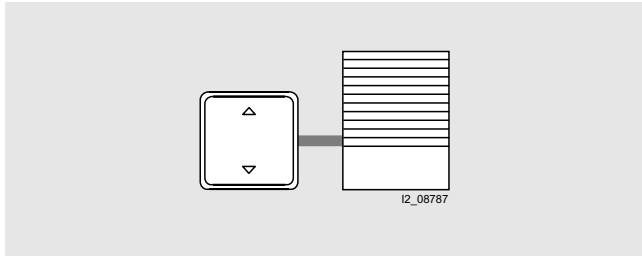
Schematics



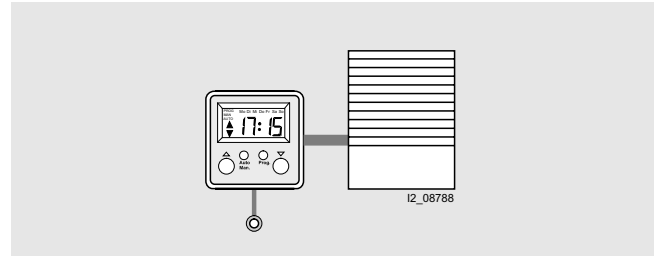
- ① Main control location
- ② Extension unit
- ③ Further extension units
- ④ Load

Overview

Individual control, e.g. demonstrated using DELTA i-system titanium white

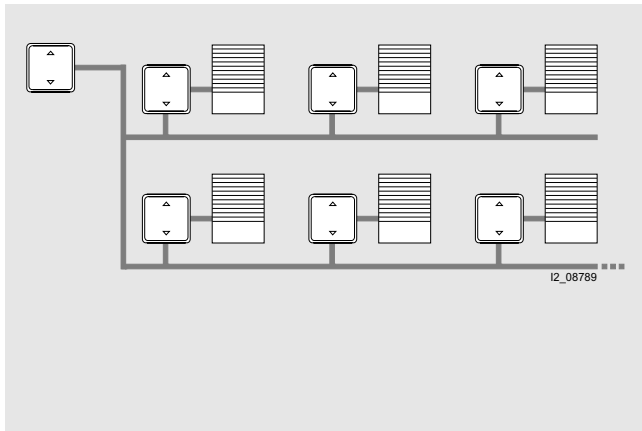


Shutter/blind control with shutter/blind sys insert (5TC1 231) and shutter/blind sys pushbutton (5TC1 321)

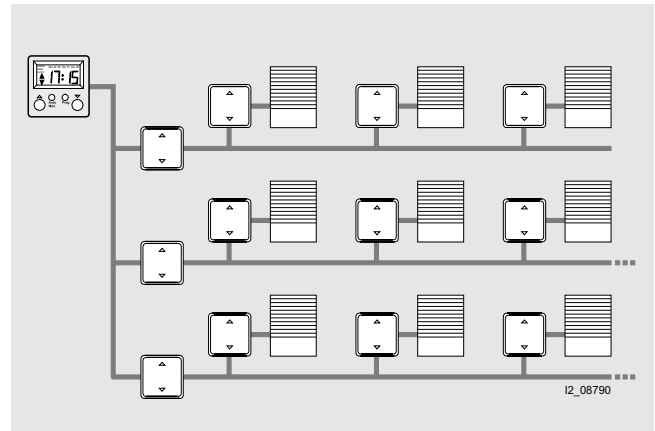


Shutter/blind control with Comfort shutter/blind control complete assembly (5TC1 521) and sun sensor (5TC1 526)

Group and central controls, demonstrated using DELTA i-system titanium white



Shutter/blind control with shutter/blind sys inserts (5TC1 231) and shutter/blind sys pushbuttons (5TC1 321)



Shutter/blind control with shutter/blind sys inserts (5TC1 231) and shutter/blind sys pushbuttons (5TC1 321) and shutter/blind control complete assembly (5TC1 520) or Comfort shutter/blind control¹⁾ (5TC1 521)

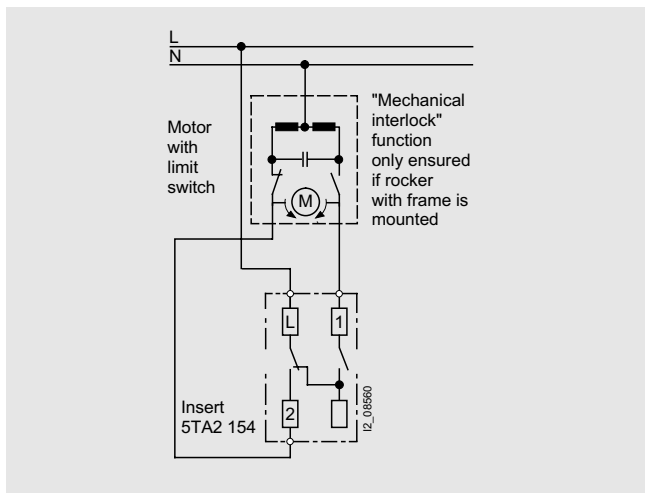
¹⁾ The sun sensor (5TC1 526) cannot be used in this configuration.

Technical Information

Shutter/Blind Controls

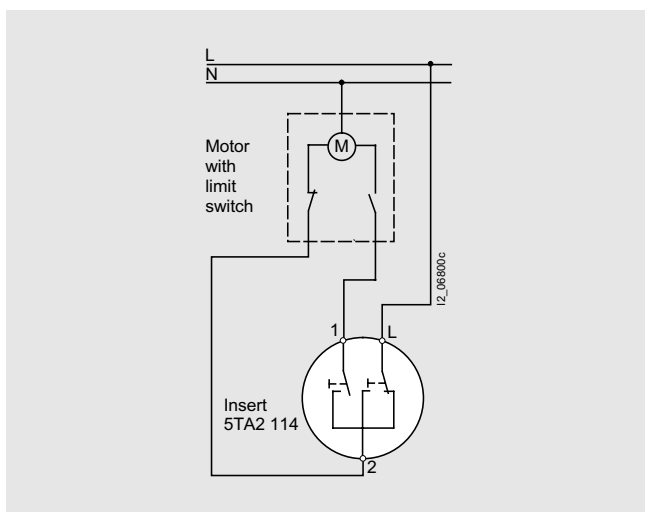
Shutter/blind switches, with electrical and mechanical interlock (5TA2 154)

Schematics

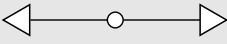
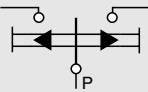
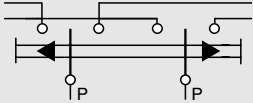
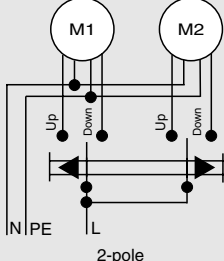
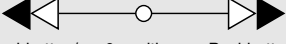
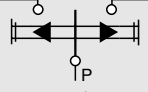
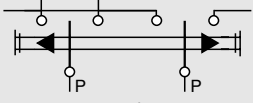
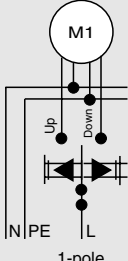


Shutter/blind pushbuttons, with electrical interlock

Schematics



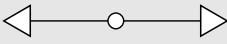
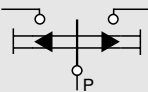
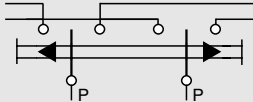
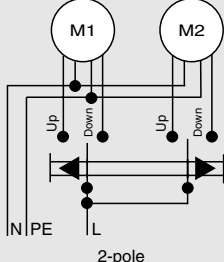
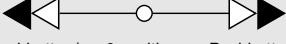
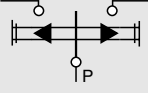
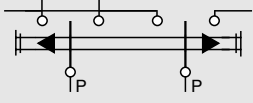
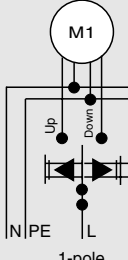
Schematics

Symbols	Circuit diagram	Application example
 Pushbutton 0 position Pushbutton	 1-pole 5TA7 663 5TA7 674  2-pole	 2-pole
 Pushbutton/maintained contact 0 position Pushbutton/maintained contact	 1-pole 5TA7 660 5TA7 671  2-pole 5TA7 661 5TA7 672	 1-pole

l2_12165

Shutter/blind key-operated switches

Schematics

Symbols	Circuit diagram	Application example
 Pushbutton 0 position Pushbutton	 1-pole 5TA7 666 5TA7 677  2-pole 5TA7 667 5TA7 678	 2-pole
 Pushbutton/maintained contact 0 position Pushbutton/maintained contact	 1-pole 5TA7 664 5TA7 675  2-pole 5TA7 665 5TA7 676	 1-pole

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Technical Information

Shutter/Blind Controls

Shutter/blind key-operated switches, for master-key systems

Overview

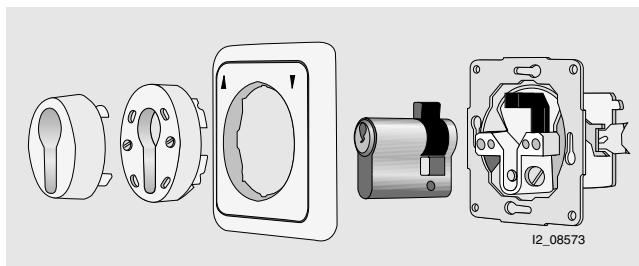
All profile semicylinders must comply with DIN 18252 with approx. 40 mm overall length. Examples:

Make	Name
CEC	No. 8511 / 2 (as PH 22)
BKS	No. 3101
Wilka	No. Z 1411 12h
Zeiss Ikon	No. 1600044 = mv

Bit is in neutral position.

The key-operated switch is particularly suited to use in main and general master-key systems.

In the case of special requirements and existing systems or custom-made tumbler arrangements for master-key systems, the lock barrels must be obtained from a specialist dealer.



Schematics

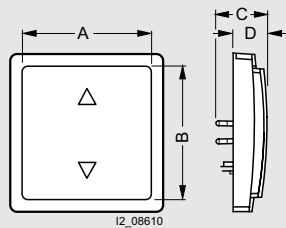
Symbols	Circuit diagram	Application example
Maintained contact 0 position Maintained contact	1-pole 5TA7 668 5TA7 680	1-pole
Maintained contact Maintained contact	2-pole 5TA7 670 5TA7 681	2-pole

I2_12167

Technical specifications

Power supply	Over 230-V user interface (230-V PEI) of the shutter/blind control sys insert		
Connections	10-pole pin connector (230-V PEI) for connection of shutter/blind control sys insert		
Mechanical specifications			
• Enclosure	plastic		
• Dimensions (L x W x D)	DELTA i-system	55 x 55 x 24 mm (incl. spring)	
	DELTA profil	65 x 65 x 25 mm (incl. spring)	
	DELTA style	68 x 68 x 27 mm (incl. spring)	
• Weight	approx. 30 g		
• Fire load	approx. 950 kJ		
• Mounting	mounted on the shutter/blind control sys insert		
Electrical safety			
• Degree of soiling (acc. to IEC 60664-1)	2		
• Degree of protection (acc. to EN 60529)	IP20		
• Overvoltage category (acc. to IEC 60664-1)	III		
• Standard	according to EN 50090-2-2 and IEC 60664-1		
EMC requirements	according to EN 50090-2-2, EN 61000-6-3, EN 61000-6-1		
Environmental conditions			
• Resistance to climate	EN 50090-2-2		
• Ambient operating temperature	-5 ... +45 °C		
• Storage temperature	-25 ... +70 °C		
• Relative humidity (non-condensing)	5 ... 93 %		
CE marking	according to EMC Directive (residential buildings), Low Voltage Directive		

Dimensional drawings



	A	B	C	D
DELTA i-system	55	55	24	13
DELTA profil	65	65	25	14
DELTA style	68	68	27	16,5

Technical Information

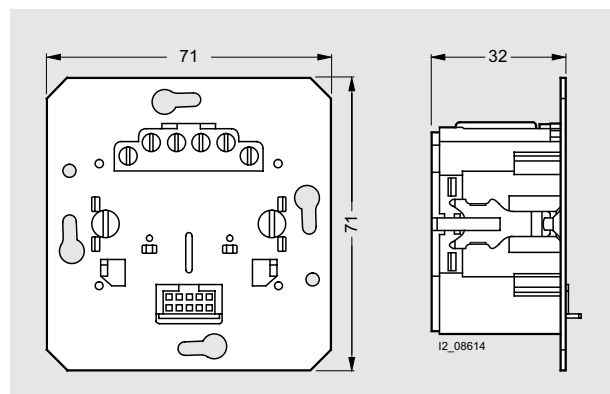
Shutter/Blind Controls

Shutter/blind control sys inserts (5TC1 231)

Technical specifications

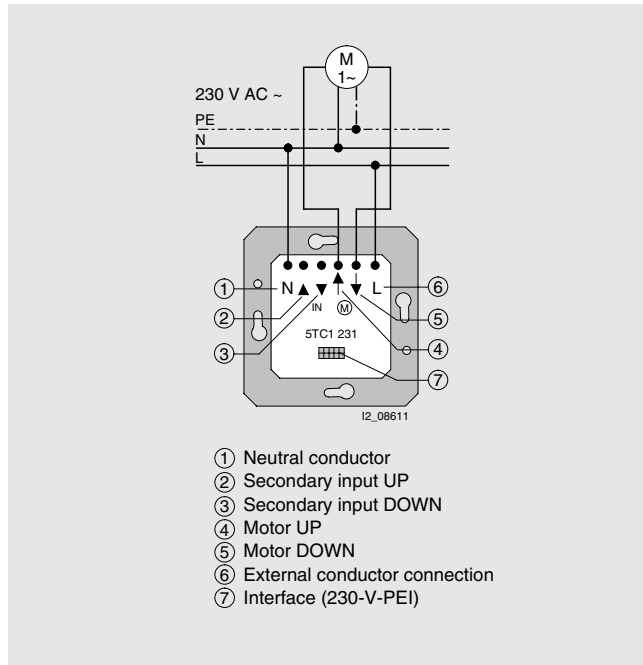
Power supply	Mains connection 230 V Rated voltage: 230 V AC, 50 Hz
Outputs	
• Output channel (UP/DOWN)	1
• Rated voltage	230 V AC, 50 Hz
• Rated current	8 A resistive load
• Switching capacity	1 motor, 1000 VA
• Max. On period of the relay	120 s
• Switchover interval between UP and DOWN operation	1 s
• Relay ON period for STEP command	100 ms
• System interruptions	< 0.2 s are jumpered
Connections	The connections for the DELTA shutter/blind control sys insert comprise six screw-type terminals, the following conductor/cross-sections are permissible: • 0.5 ... 2.5 mm² solid • 0.5 ... 1.5 mm² finely stranded with end sleeve without insulating collar (gas-tight crimp connection) Caution: If the conductors need to be looped through, only conductors with max. 1.5 mm ² can be used
Mechanical specifications	
• Enclosure	plastic
• Dimensions	modular width: 71 mm x 71 mm mounting depth: 32 mm
• Weight	approx. 75 g
• Fire load	approx. 1000 kJ
• Mounting	Installation in switch and socket boxes 60 mm Ø, at least 40 mm deep complies with DIN 49073-1
Electrical safety	
• Degree of soiling (acc. to IEC 60664-1)	2
• Degree of protection (acc. to EN 60529)	IP20
• Overvoltage category (acc. to IEC 60664-1)	III
• Relay	μ contact
EMC requirements	according to EN 50090-2-2, EN 60669-2-1, EN 61000-6-3, EN 61000-6-1
Environmental conditions	
• Resistance to climate	EN 50090-2-2
• Ambient operating temperature	-5 ... +45 °C
• Storage temperature	-25 ... +70 °C
• Relative humidity (non-condensing)	5 ... 93 %
Certification	VDE approved
CE marking	according to EMC Directive (residential buildings), Low Voltage Directive

Dimensional drawings



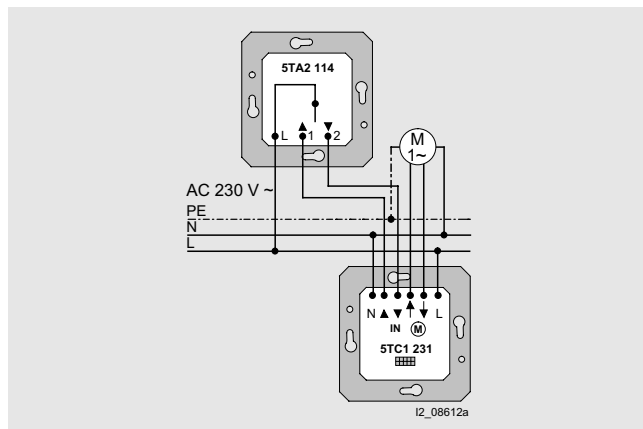
Schematics

Sample connection



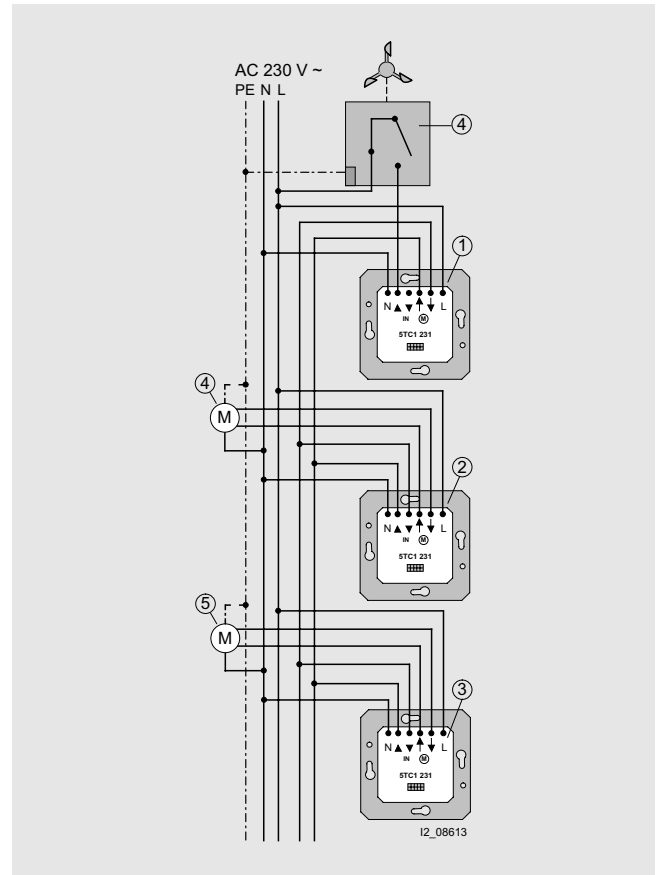
Application options

Example 1: Shutter/blind control with conventional secondary branches



When using the shutter/blind pushbutton (5TA2 114), the shutter/blind can be manually moved to the required position (UP/DOWN or STEP command). The number of connectable conventional secondary branches is unlimited.

Example 2: Group control with 2 motors and central operating point



Together with the UP 211 wave shutter/blind pushbutton inserts, the shutter/blind control sys insert ① is implemented as a central operating point. The inserts ② and ③ individually control the respective shutter/blind motors M (④ and ⑤). The time values stored in the UP 211 wave shutter/blind pushbutton (e.g. 8:00 UP and 20:00 DOWN command) allow the time-controlled stopping and starting of all connected motors.

Caution:

- it is not permissible to use a shutter/blind control sys insert as the central operating point and directly operate a shutter/blind motor.
- when protecting the central operating point against short circuit using a separate residual current operated circuit-breaker, both circuits must be isolated in order to prevent inadvertent tripping of the circuit-breaker.

Example 3: Integrating a wind alarm

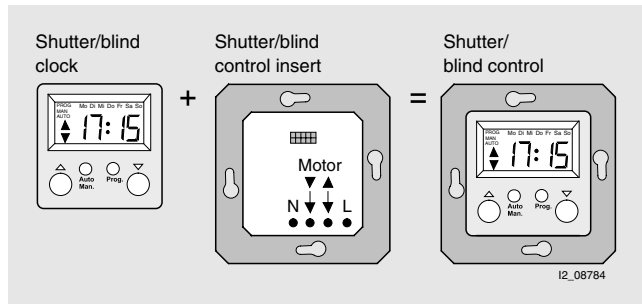
The detector for the wind alarm is integrated in the shutter/blind control over the "UP" secondary input. In the event of a wind alarm, the shutters/blinds are raised and are locked in that position until the wind alarm is reset over the detector. As long as the interlock is enabled, neither manual nor automatic operation of the shutters/blinds is possible.

Technical Information

Shutter/Blind Controls

Shutter/blind controls

Overview

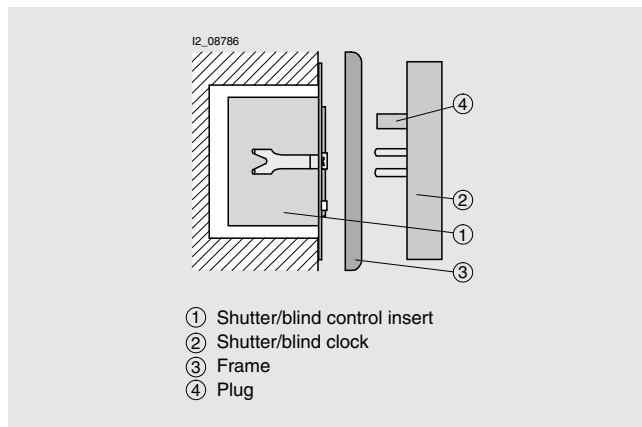


Form of delivery for the shutter/blind control

Product features:

- Easy operation via a 4-button field
- Switching time block Mo to Fr: 1 x UP, 1 x DOWN
- Switching time block Sa to Su: 1 x UP, 1 x DOWN
- Quick configuration function
- Factory-configured switching times
- Power reserve > 6 h over storage capacitor
- Also configurable with an unlocked shutter/blind control insert without extension unit input
- After approx. 30 min, the storage capacitor for the power reserve is completely recharged.

Design



The shutter/blind control insert ① is mounted in a DIN 49073-compliant device box (recommendation: deep box).

The terminals of the insert must be directed downwards.

The shutter/blind clock is plugged with the frame ③ onto the insert.

The electrical contacting is achieved over the plug ④.

Programming

With a charged storage capacitor, the control remains configurable for approx. 6 h even with the insert released.

The following factory-preset switching times are stored in the memory:

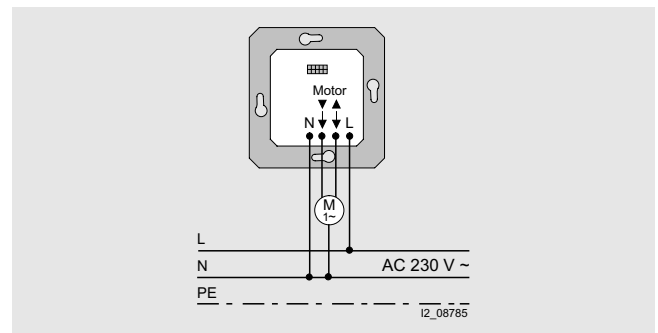
- Switching time 1: ↑ 07:00, Mo. to Fr.
- Switching time 2: ↓ 20:00, Mo. to Fr.
- Switching time 3: ↑ 09:00, Sa. to Su.
- Switching time 4: ↓ 20:00, Sa. to Su.

The current time can be accepted as switching time for the memory by pressing the desired direction of travel (↑ or ↓) and then activating the "Prog" button. The present switching time is overwritten in this case.

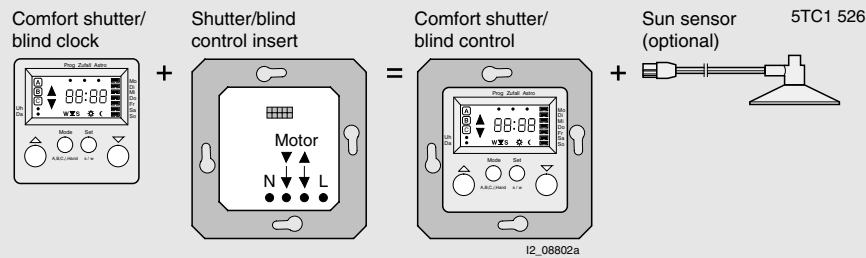
Effect of the length of the button stroke:

- Short keystroke (< 1 s): jog mode for adjusting the slats on blinds
- Long keystroke (> 1 s): 2 min continuous operation, can be stopped with pushbutton ↑ or ↓.

Schematics

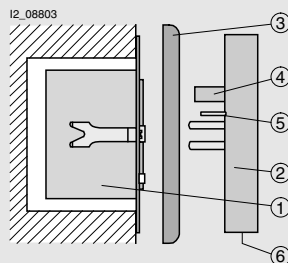


Overview



Form of delivery for the Comfort shutter/blind control

Design



- ① Shutter/blind control insert
- ② Comfort shutter/blind clock
- ③ Frame
- ④ Plug
- ⑤ Plug-in contacts
- ⑥ Socket contact

The shutter/blind control insert ① is mounted in a DIN 49073-compliant device box (recommendation: deep box).

The terminals of the insert must be directed downwards.

The Comfort shutter/blind clock ② is plugged onto the insert with the frame ③.

The electrical contacting is achieved over the plug ④.

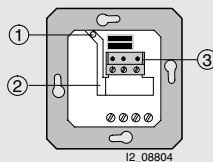
The additional plug-in contacts ⑤ or the socket contact ⑥ of the Comfort shutter/blind clock are used for the adaptation of the sensor cable.

Connection options for the sun sensor cable

There are three ways to connect the sun sensor cable to the Comfort shutter/blind control:

- Flush-mounting routing of the sun sensor cable
- Surface-mounting routing of the sun sensor cable
- Connection of the sun sensor cable by plugs

Flush-mounting routing of the sun sensor cable



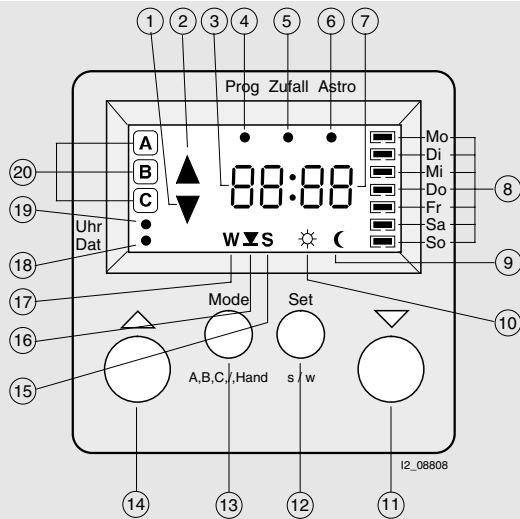
- ① Drilling
- ② Cable duct
- ③ Terminal

When choosing the flush-mounting routing of the sun sensor cable, a suitable cable must be selected. Recommendation: J-Y(ST)Y 2 x 2 x 0.6 mm (telephone cable). The plug at the sun sensor must be removed. The individual wires of the sensor cable are isolated and connected with the selected cable in a suitable manner (soldering, screw terminal or similar).

In this context, it must be observed that the insulating tube (supplied with the sun sensor) encloses the individual wires from the external cable insulation to the terminal. The cable, together with the insulating tube, is plugged through the drilling ① of the insert and passed through the cable duct ② to the terminal ③. The terminal (supplied with the sun sensor) is put in the insert as shown in the illustration.

Programming

Operating and display elements



- ① Lowering of shutter/blind activated
- ② Raising of shutter/blind activated
- ③ Time display
- ④ Configuration mode activated
- ⑤ Random function activated
- ⑥ Astro function activated
- ⑦ Minute display
- ⑧ Set day of week
- ⑨ Twilight value underrun
- ⑩ Brightness value exceeded
- ⑪ Manually execute lowering of shutter/blind
- ⑫ Set values
- ⑬ Select mode
- ⑭ Manually execute raising of shutter/blind
- ⑮ Mode of operation daylight saving time
- ⑯ Learn function activated
- ⑰ Mode of operation winter time
- ⑱ Set date
- ⑲ Set time
- ⑳ Program memories A/B/C are activated

In the three program memories A, B and C, independent programs can be stored (e.g. for everyday, weekend, vacations etc.).

In all three program memories, a total of maximum 18 switching times can be used.

The factory settings can be reset at any time.

Daylight savings

To implement daylight savings, the "Set" button must be briefly pressed at the appropriate times on the respective dates in spring and fall.

You can also set whether or not any configured individual motor runtimes are to be executed.

Operating modes

The Comfort shutter/blind clock can be set to the "automatic" and "manual" mode. It has three program memories (A, B, C), which can be alternatively selected in the automatic mode.

- Automatic mode
The set switching times of the program memory A, B or C are executed. Manual operation is also possible using the ⑪ and ⑭ buttons. A, B or C is shown on the display.
- Manual operation
Manual operation is only possible by means of the ⑪ and ⑭ buttons. The set switching times of the program memories A, B or C are not executed. A, B or C are not shown on the display.

Automatic mode with program memories A, B, C

In the three program memories, three individual switching time programs can be generated. By selecting the A, B or C program memory, the desired switching time program is activated.

By pressing the "Mode" button, it is possible to change between the program memories (A, B, C) and manual operation.

Manual operation

Manual operation is possible in any operating mode. The shutters are raised using the ⑭ button and lowered using the ⑪ button.

During operation, a distinction is made between short and long button strokes:

- Short button stroke (< 1 s)
A pulse is generated in accordance with the duration of the key operation. This function serves to adjust the blind slats.
- Long button stroke (> 1 s)
The shutter/blind control is set to maintained function (continuous operation). If no other motor runtimes are programmed, a runtime of approx. 2 min is executed.

Factory settings

The program memories A and B are factory-assigned, though, you may overwrite them by reconfiguration. Switching times that are no longer required must be deleted.

Default factory settings:

- Memory A
 - switching time 1: 07:00, Mo to Fr, astro function active
 - switching time 2: 09:00, Sa to Su, astro function active
 - switching time 3: 20:00, Mo to Fr, astro function active
 - switching time 4: 21:00, Sa to Su, astro function active
- Memory B
 - switching time 1: 07:00, Mo to Fr, astro function not active
 - switching time 2: 09:00, Sa to Su, astro function not active
 - switching time 3: 20:00, Mo to Fr, astro function not active
 - switching time 4: 21:00, Sa to Su, astro function not active
- Memory C
 - not factory assigned.

Technical Information

Shutter/Blind Controls

Comfort shutter/blind controls

Programming

Adjusting the astro time for sunrise and sunset

Astro times reflect the sunrise and sunset times in the course of a calendar year. The modification of the astro time facilitates an individual adjustment of the factory-calculated sunrise and sunset times to local conditions.

The adjustment is executed for all days of the year.

The maximum adjustment of the astro times equals +/- 1 h 59 min for both the sunrise and sunset times. Note: it is therefore possible to compensate for "brighter" and "darker" installation sites.

• Example 1

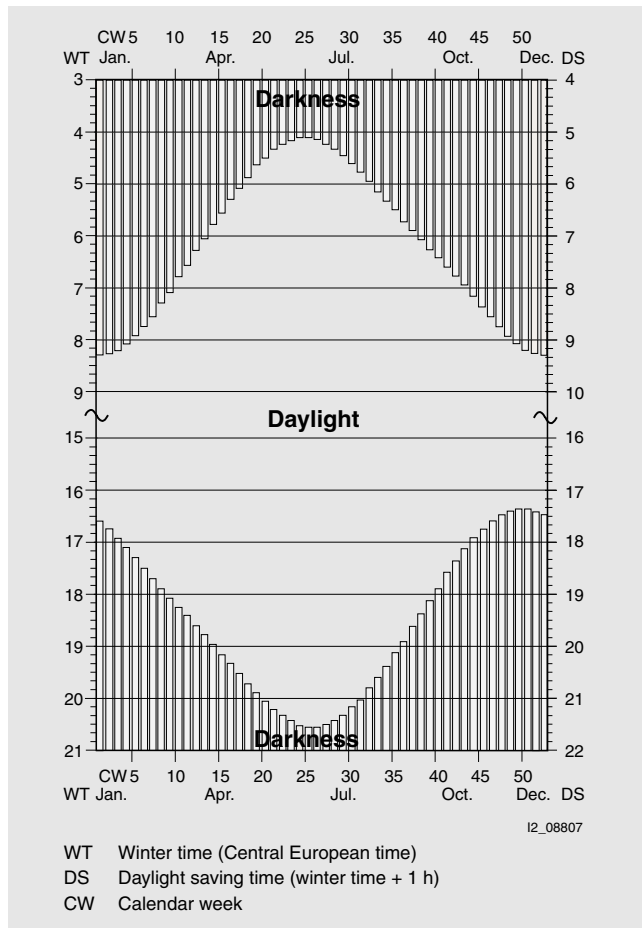
The patio is located at the southwest side of the house, so that it remains brighter longer as the sun sets in the west. The astro time for the sunset can therefore be delayed (e.g. +0:25 -> the shutters/blinds are lowered 25 min later).

• Example 2

With a hillside location at the east side of a house, it gets dark earlier than specified in the astro curve. The astro time for the sunset can therefore be set to an earlier time. (e.g. -0:20 -> the shutters/blinds are lowered 20 min earlier).

• Example 3

You would like to enjoy the morning sunrise in the kitchen. To ensure that the shutters/blinds in the kitchen are already raised at this time, simply set the astro time for the sunset to an earlier time. (e.g. -0:30 -> the shutters/blinds are raised 30 min earlier).



Astro curve

The astro curve displays the approximate sunrise and sunset time in the course of a calendar year. The astro time does not change within a calendar week. The times stated in the graphics refer to the Würzburg location.

Example: Astro time in calendar week 10 for

- Sunrise: approx. 6:50 am
- Sunset: approx. 6:15 pm

Setting the individual motor runtime

The motor runtime is factory-set to approx. 2 min. It can be reduced (only for the down direction) or increased to a maximum of 12 min (up and down direction).

An individual motor runtime of less than 2 min is only executed with down commands if the shutters/blinds have previously been automatically or manually raised to their highest position.

If the shutter/blinds are not in their top position, the standard runtime of 2 min is executed instead of the individual runtime of less than 2 min.

An individual runtime of more than 2 min is executed both in the Down and Up direction.

An individual runtime of less than 2 min is only executed in the Down direction.

The upward travel time is always at least 2 min.

Sun protection and twilight function

Note: a sun sensor (5TC1 526) is also required to execute this function. This must be ordered separately.

The sun protection function

The sun protection function is only executed if the shutters/blinds are in the top limit position.

The sun protection function automatically lowers the shutters/blinds if it gets too bright. As soon as the predefined brightness value is exceeded, the sun symbol starts to flash and the shutter/blind is lowered after 2 min. The sensor position on the window pane determines the stop position of the shutters/blinds:

- When the sensor position is reached, the shutters/blinds stop.
- They are then raised enough to uncover the sun sensor and
- then lowered again until they are just above the sun sensor.

This ensures that the sun sensor is not covered and brightness changes can be detected. For optimum sun protection, the position of the shutters/blinds are readjusted hourly.

If the programmed brightness value is fallen below for 15 min, the shutters/blinds are raised again.

Note: the delay times of 2 or 15 min are necessary in order to prevent premature movement of the shutter/blind when there are brief fluctuations of brightness.

The sun protection function is deactivated by briefly pressing the (11) button.

The twilight function

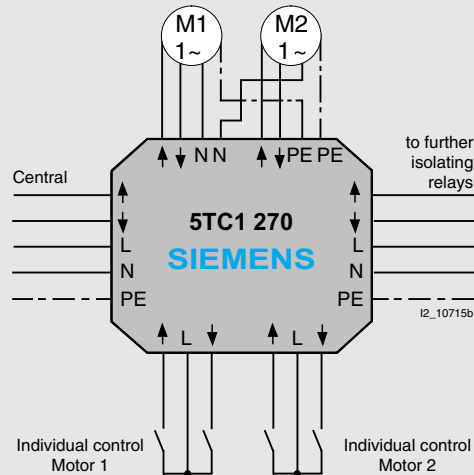
The twilight function automatically lowers the shutters/blinds if it gets too dark. As soon as the predefined brightness value is fallen below, the moon symbol starts to flash and after 4 minutes the shutters/blinds are lowered to their lowest limit stop.

The twilight function is not activated until 2 h before the sunset astro time. This prevents a sun sensor located in shade during the day from lowering the shutters/blinds when it is not wanted.

If the twilight function is to be executed for switching times, these times must be programmed with astro. Here, the twilight function replaces the sunset astro time.

Switching times without astro are executed at the programmed instant, irrespective of the current brightness level.

Schematics



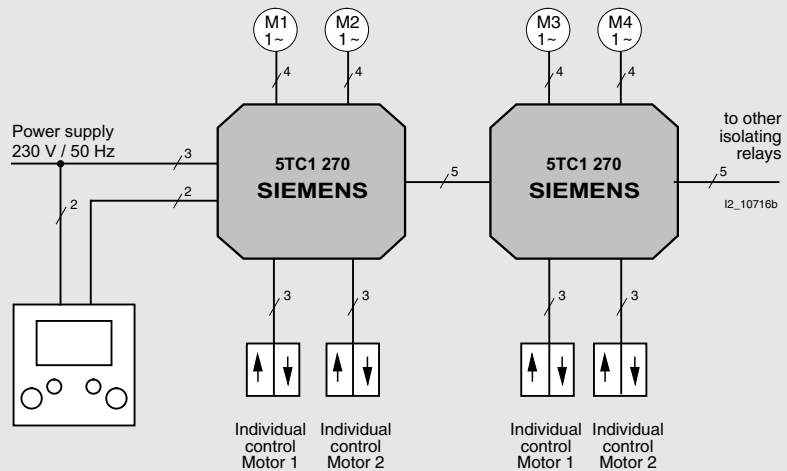
Sample connection

Electronic controllers

DELTA i-system shutter/blind control
DELTA i-system shutter/blind control Komfort
DELTA Shutter control sys contact unit
with sys pushbutton or wave pushbutton

Mechanical controllers

Rocker or knob-operated pushbutton from the
DELTA Product range



Wiring diagram

Mains 230 V / 50 Hz

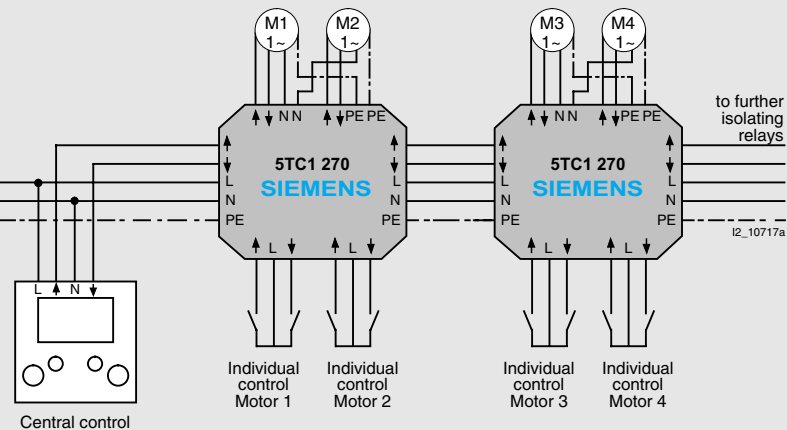
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Electronic controllers

DELTA i-system shutter/blind control
DELTA i-system Comfort shutter/blind control
DELTA shutter/blind control sys insert
with sys pushbutton or wave pushbutton

Mechanical controllers

Rocker or knob-operated pushbutton from the
DELTA product range



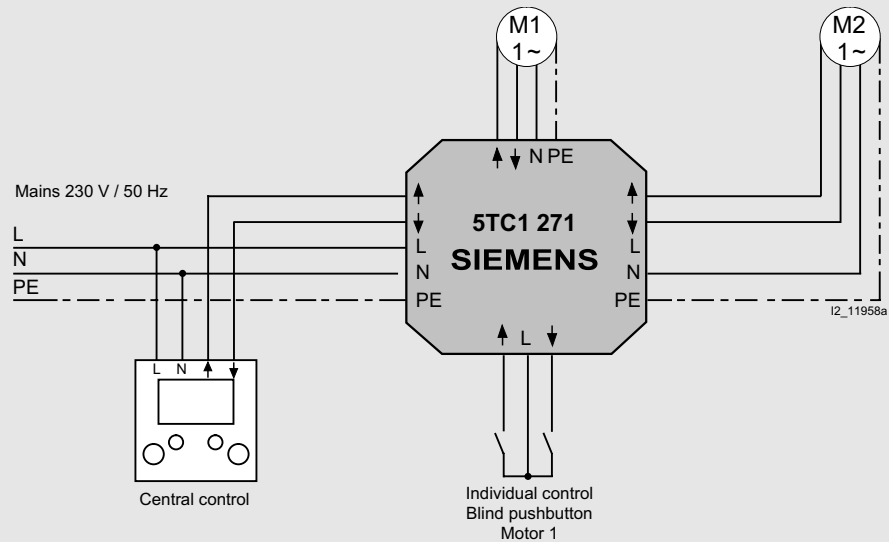
Wiring diagram

Technical Information

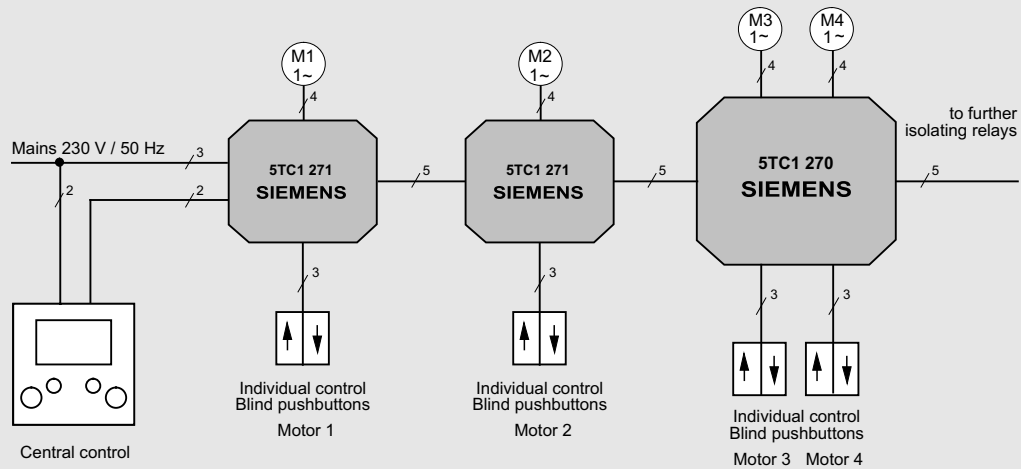
Shutter/Blind Controls

Shutter/blind control flush-mounting isolating relays, compact (5TC1 271)

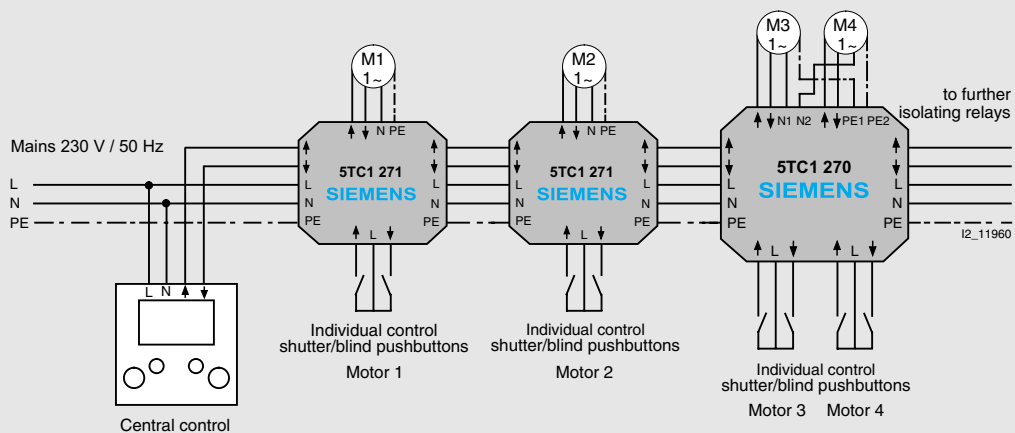
Schematics



Sample connection



Wiring diagram



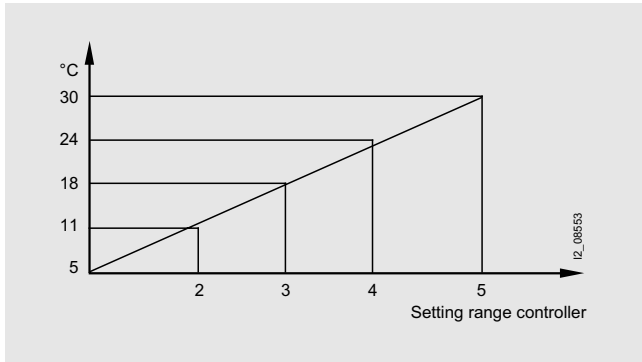
Wiring diagram

Technical Information

Room Temperature Controllers

Room temperature controllers,
1 NC contact (5TC9 200)

Mode of operation

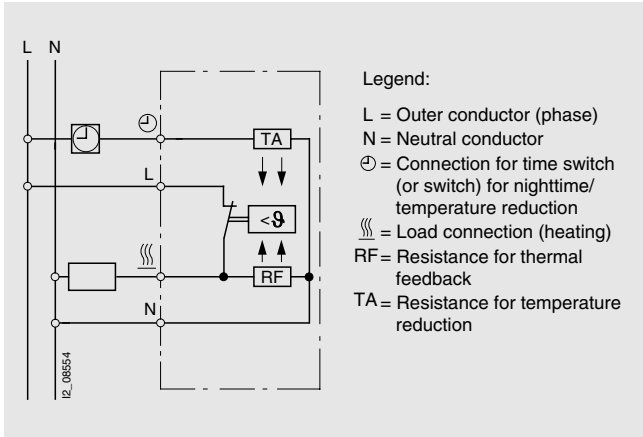


Range restriction in the setting button

Technical specifications

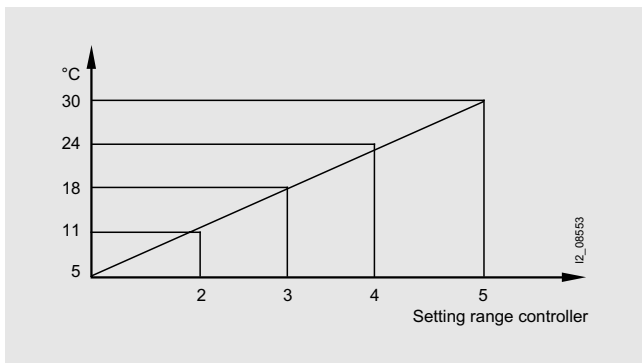
Temperature range	5 ... 30 °C
Operational voltage	230 V AC, 50/60 Hz
Switch contact	1 NC contact
Rated current	10 (4) A
Switching temperature difference	approx. 0.5 K
Temperature reduction	approx. 4 K
Degree of protection / safety class	IP30 / totally insulated

Schematics



Room temperature controllers,
1 CO contact (5TC9 201)

Mode of operation

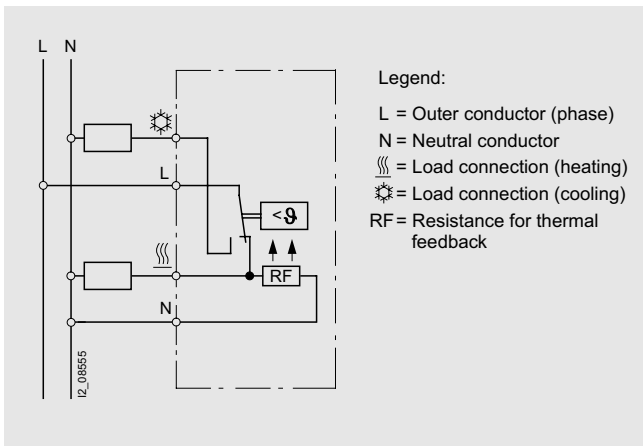


Range restriction in the setting button

Technical specifications

Temperature range	5 ... 30 °C
Operational voltage	230 V AC, 50/60 Hz
Switch contact	1 CO contact
Rated current	10 (4) A (heating) 5 (2) A (cooling)
Switching temperature difference	approx. 0.5 K
Temperature reduction	approx. 4 K
Degree of protection / safety class	IP30 / totally insulated

Schematics

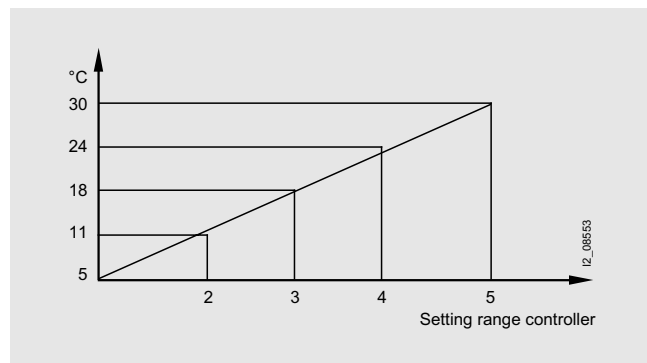


Technical Information

Room Temperature Controllers

Room temperature controllers, 3-position switch
(5TC9 202)

Mode of operation

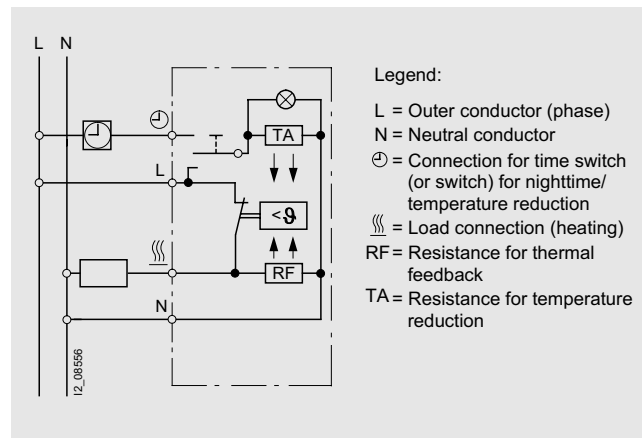


Range restriction in the setting button

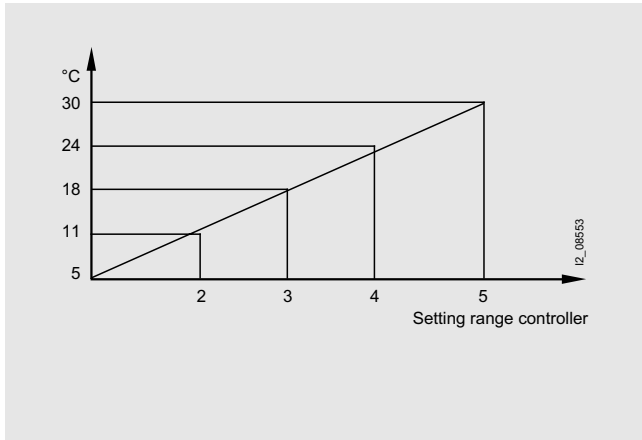
Technical specifications

Temperature range	5 ... 30 °C
Operational voltage	230 V AC, 50/60 Hz
Switch contact	1 NC contact
Rated current	10 (4) A (heating)
Switching temperature difference	approx. 0.5 K
Temperature reduction	approx. 5 K
Degree of protection / safety class	IP30 / totally insulated

Schematics

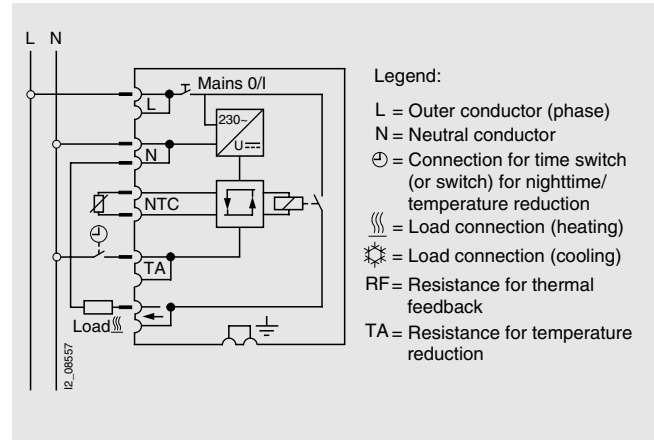


Mode of operation



Range restriction in the setting button

Schematics



Technical specifications

Control devices

Temperature range	5 ... 50 °C
Operational voltage	230 V AC, 50/60 Hz
Tolerance range	195 ... 253 V AC, 50 Hz
Switch contact	1 NO contact
Rated current (250 AC)	10 A at p.f. = 1.0 (heating)
Switching capacity	2.3 kW
Switches	power supply "ON/OFF"
Display LED	red: control device demands heat (heating mode) green: temperature reduction "ON"
Switching temperature difference	approx. 1 K
Temperature reduction	approx. 5 K
Degree of protection / safety class	IP30 / totally insulated

Remote sensors

Sensor element	NTC according to DIN 44574
Sensor cable	PVC, 2 x 0.50 mm ² , length 4 m
Degree of protection	IP68 (according to DIN VDE 0470T1)
Ambient temperature	-25 ... +70 °C

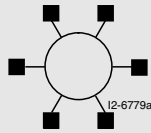
Sensor characteristics of measuring instrument $R_T > 1M$

Temperatures in °C	Resistance in kΩ
5	4.527
10	3.657
15	2.974
20	2.432
25	2.000
30	1.655
35	1.379
40	1.151
45	0.968
50	0.816

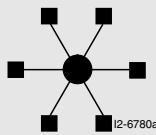
Overview

Data networks

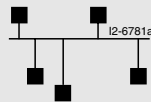
The following three versions are used primarily for the data network:



Ring networks



Star-type networks



Bus networks

Ring networks

In a ring network, the users (network nodes) are connected in a closed loop. The data are transmitted from network node to network node in one direction. To expand the system, simply open the ring and add another user.

Star-type networks

When a star structure is used, all users are linked to a control room, which also operates as the system control. It relays the data to all required devices. This network structure enables multichannel operation, which supports the simultaneous linking of many connections. Further users can be simply connected to the central operating point if required.

Bus networks

In a bus network, all users are directly connected to a bus cable. The data transmitted from one network node are initially received by all other nodes. However, all the network nodes ignore this data – with of course the exception of the targeted node. An expansion of the power supply is achieved by directly tapping the bus and thus connecting new users to the supply.

Plug-in connectors, distribution boards and outlet boxes

For the connection and distribution of cables and the connection of terminals, there are a range of system-specific plug-in connectors, distribution boards and outlet boxes available.

Flush-mounting devices

These components for data processing and data communication, as well as telecommunication and electro-acoustical systems, are available in the surface-mounting product range of installation switch/socket outlet systems DELTA i-system, DELTA profil, DELTA style, DELTA natur, DELTA ambiente, DELTA fläche surface-mounting, as well as for installation in flush-mounting switch and socket boxes with 60 mm diameter and in sill-type trunkings with either vertical or 30° inclined outlets.

Examples

The following describes just a few examples from the great number of connection components available in the field of data processing and telecommunications technology. Covers and frames (80 mm) of the installation switch/socket outlets product ranges DELTA i-system, DELTA profil, DELTA style, DELTA natur, DELTA ambiente, DELTA fläche surface-mounting can be used with all outlet boxes.

D-subminiature plug-in connectors

D-subminiature plug-in connectors are primarily used for the plug-in connection of computer terminals and data transmission devices, as well as for measuring and control equipment. The outlet box has a 9, 15 or 25-pole trapezoid plug-in pin or socket connector for connection of one device, or two pin/socket connectors each, if two devices are to be connected.

BNC/TNC plug-in connectors

BNC¹⁾/TNC²⁾ plug-in connectors are used for high-frequency applications in coaxial cable networks. The standard version is used for frequencies up to 4 GHz and is available for coaxial cable impedances of 50 W and 70 W. For BNC plug-in connectors, the connector is linked to the socket of the outlet box over a bayonet lock and, in the case of vibration-resistant TNC plug-in connectors, over a screw plug.

Western (WE) plug-in connectors

Western (WE) plug-in connectors are used in both data processing technology (e.g. as twisted pair connection³⁾) and telecommunication technology (e.g. as ISDN⁴⁾ basic connection).

The WE outlet boxes are equipped with one or two 6 or 8-pole WE sockets, which if partially equipped with contacts provide 4, 6 or 8-pole outlet versions.

Twinax plug-in connectors

Twinax plug-in connectors are primarily used in local data networks (LAN) with IBM data terminal equipment. Both primary conductors of the Twinax cable are soldered to the Twinax installation socket of the outlet box, the metal braiding is securely clamped. After contacting with the outlet box, the connector is screwed securely into place by a cap nut.

TAE connection units

TAE telecommunication connection units are intended solely for the connection of telecommunication devices, such as telephones, fax machines, telex systems. The adapter (connector) is available on its own and preassembled with connecting cable in various lengths. The outlet boxes with one to three sockets and the adapters are prepared for telephone connection (F coding) or for connection of additional devices (fax, etc.) and data terminal devices (Btx) (N coding).

Fiber-optic outlet boxes

Fiber-optic outlet boxes in the DELTA profil product range meet the requirements of a modern cabling system with glass-fiber cables.

These systems are equipped to cope with future communication requirements and ensure fast and reliable transmission for many applications, such as:

- Telephone (voice, fax),
- Data transmission (client/server, computing, mail, Internet, virtual LAN),
- Multimedia (integration of voice, data and video).

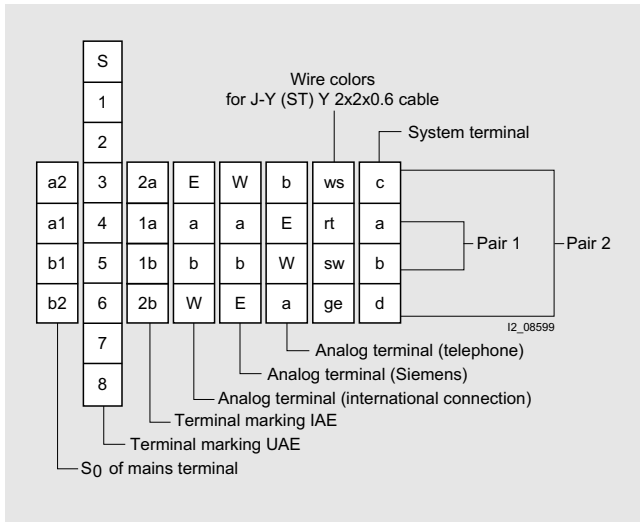
¹⁾ BNC: Standard bayonet connector

²⁾ TNC: Threaded standard connector

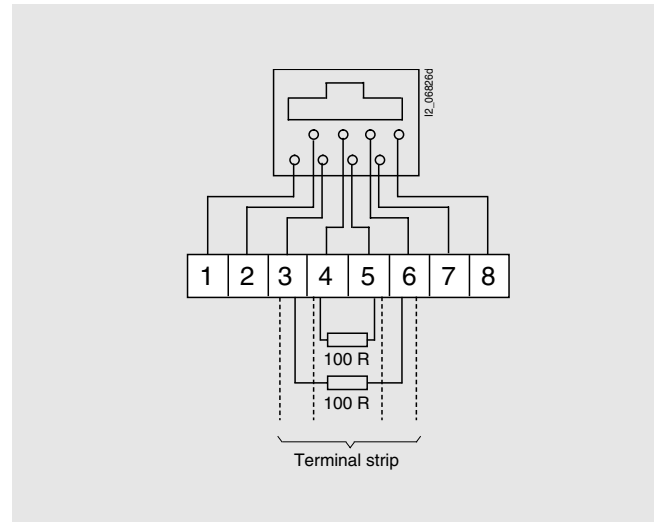
³⁾ Two twisted cables

⁴⁾ ISDN: Integrated Services Digital Network

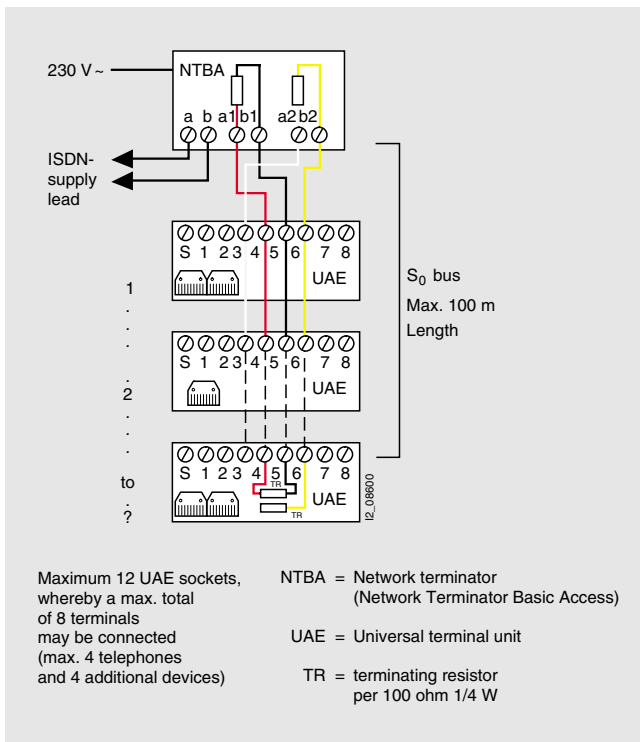
Overview



Color coding for analog and ISDN telephone



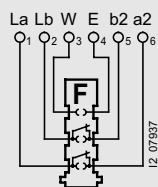
ISDN-telephone outlet boxes point-to-point with WE 8 or UAE 8



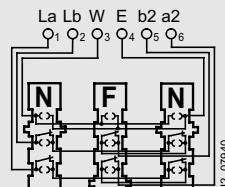
Connection to the ISDN-S₀ bus

TAE outlet boxes

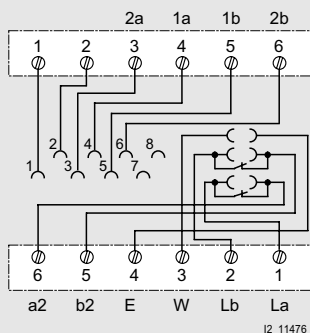
Overview



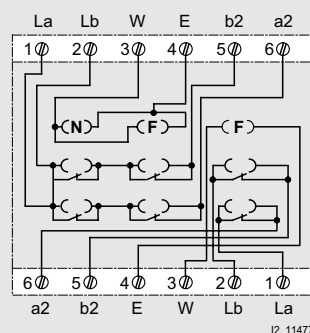
TAE outlet box, for one telephone



TAE outlet box, for one telephone and two additional devices

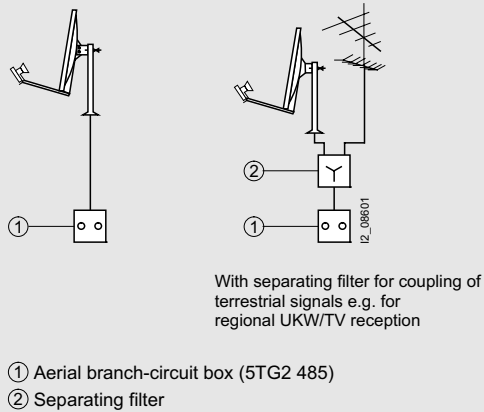


UAE/TAE outlet box for one telephone and/or an additional device

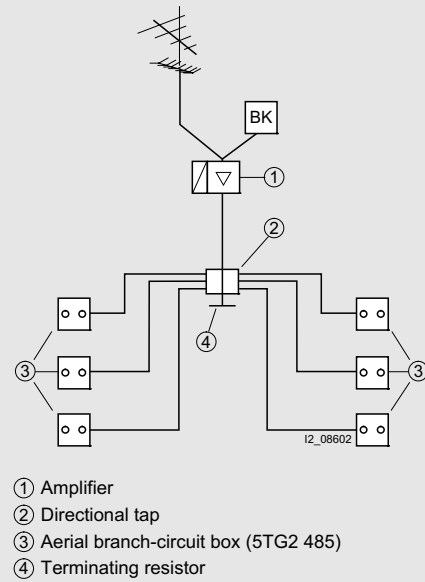


TAE outlet box, for two telephones and two additional devices

Schematics



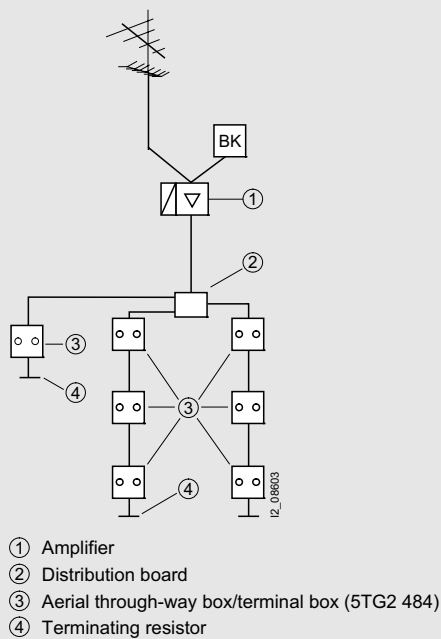
SAT aerial system with universal single LNB for analog and digital reception



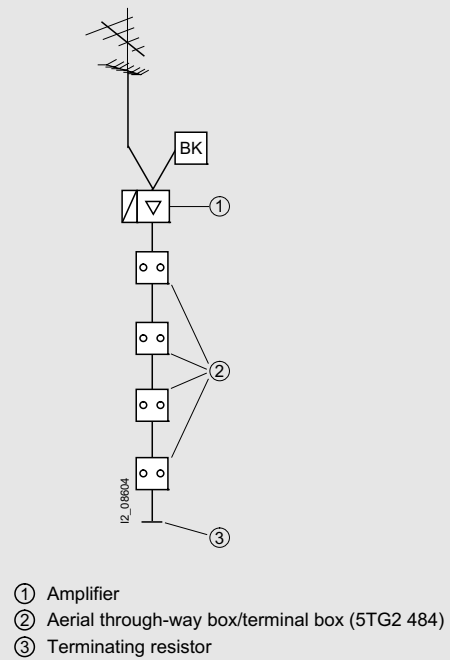
Aerial system, terrestrial and/or broadband cable in star structure

Aerial through-way boxes/terminal boxes (5TG2 484)

Schematics



Aerial system, terrestrial and/or broadband cable in tree/star structure



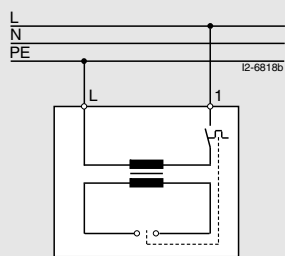
Aerial system, terrestrial and/or broadband cable in tree structure

Technical Information

International Plug-and-socket Devices

Shaver socket outlets

Schematics

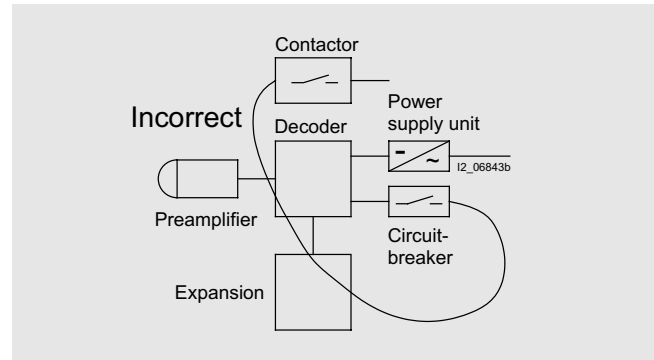
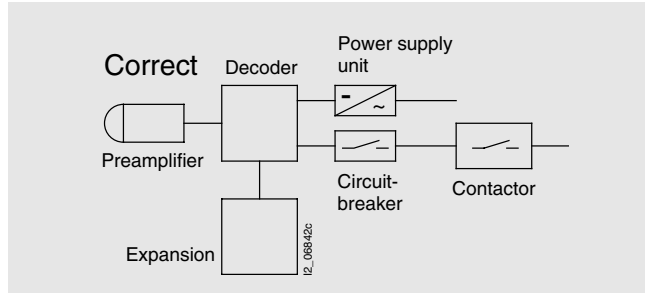


Shaver socket outlets

Design

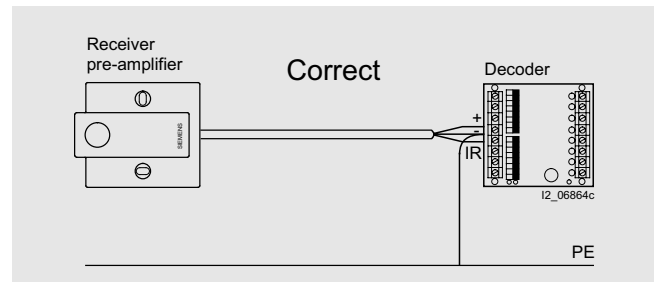
Mounting instructions

When mounting the modules, the wiring must always be disconnected and laid in a straight line.



Optimum cable routing

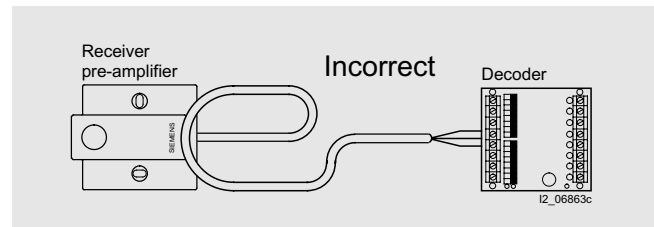
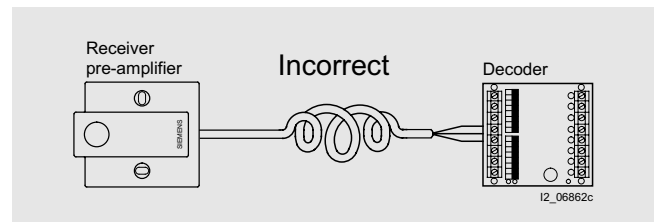
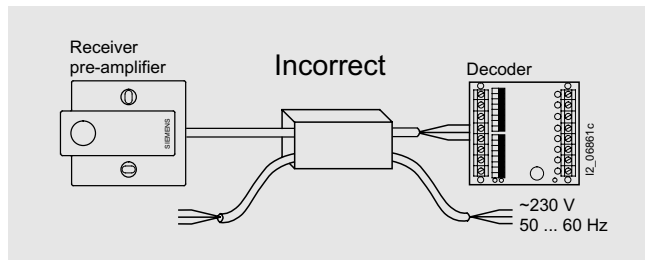
In the event of faults in the decoder (self-switching), connect the minus input of the receiver preamplifier to the PE.



Imprecise cable routing

In the case of insufficient receiving range, the following must be heeded:

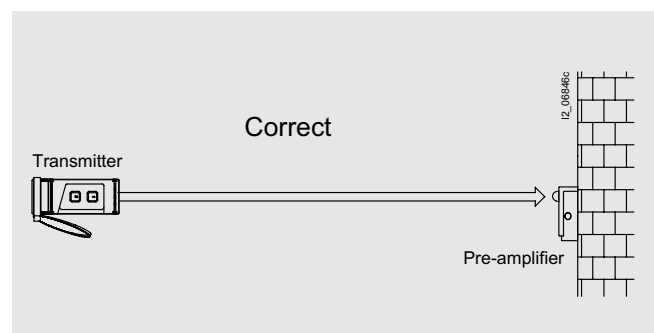
- Preamplifier cable must not be laid parallel to power lines
- Avoid coils and loops



Conditions of reception

Optimum reception conditions are achieved if the following points are observed:

- Transmitters and receiver preamplifiers must lie on an optical axis.
- No direct sunlight or artificial light on the photodiode or focussing lens of the receiver preamplifier.
- It is not permitted to transmit simultaneously with two or more transmitters in a single room, even if different commands are encoded.

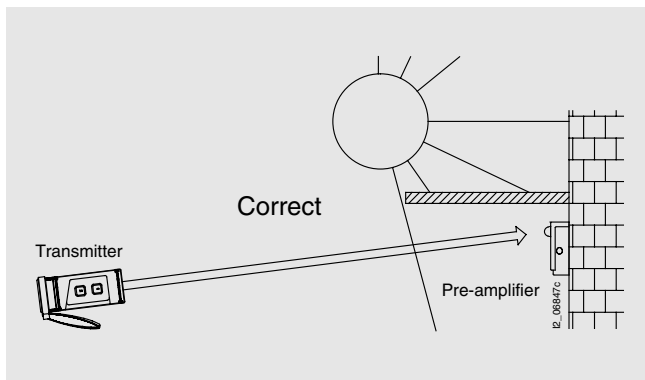


Technical Information

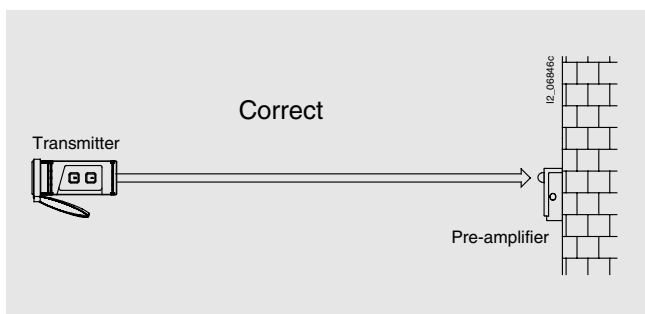
Remote Controls

IR-64K

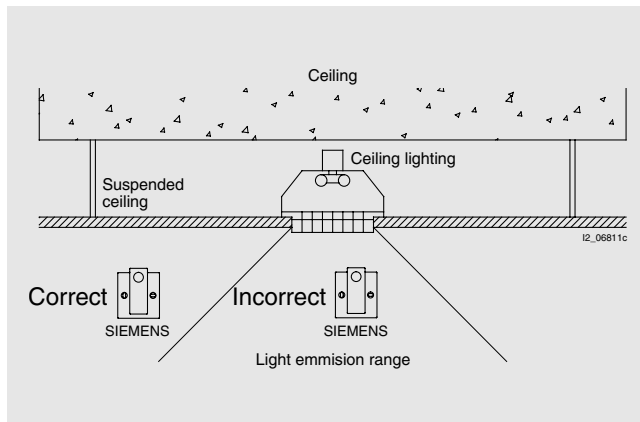
Range impairment, fault types



Avoid direct sunlight, e.g. by using a mechanical shutter



Prevent reception through reflections, it is essential to ensure visual contact to the receiver preamplifier



Receiver preamplifiers must not be mounted directly in the emission range of lights

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Order information

Trademarks

All product designations may be registered trademarks or product names of Siemens AG or other supplying companies. Third parties using these trademarks or product names for their own purposes might infringe upon the rights of the trademark owners.

Ordering special designs

When ordering products that differ from the standard designs, the Order No. in the catalog must be supplemented by a "-Z"; the required characteristics must then be specified either by means of brief alphanumeric data or in plain text.

Ordering very small quantities

When ordering very small quantities, the cost of order processing often exceeds the order value. We therefore recommend that you combine several small orders. Where this is not possible, please note that we are obliged to make a small processing charge: for orders with a net goods value of less than 100.– € we charge a 15.– € supplement to cover our order processing and invoicing costs.

Internet

You can also visit our Automation & Drives site on the Internet at the following addresses:

- for the sector Automation and Drives:
<http://www.siemens.com/automation>
- for Installation Technology:
<http://www.siemens.com/e-installation>
- for the A&D Mall:
<http://www.siemens.com/automation/mall>

Notes

All technical data, dimensions and weights are subject to change without notice unless otherwise specified on the pages of this catalog.

All dimensions are specified in mm, the illustrations are for reference purposes only.

The technical data are for general information. The instruction manuals and the instructions on the products must be observed during assembly, operation and maintenance.

Siemens contacts in the WWW

The screenshot shows the 'Local Partners Worldwide' page for Germany. It asks the user to select a city nearest to their location. A dropdown menu shows 'Berlin' selected. Below this, it asks the user to select the appropriate team, with 'Sales' selected in the dropdown. A 'Next >' button is visible at the bottom right.

At:

<http://www.siemens.com/automation/partner>

you can find details of Siemens contact partners worldwide responsible for particular technologies.

You can obtain in most cases a contact partner for

- Technical Support,
- Spare parts/repairs,
- Service,
- Training,
- Sales or
- Consultation/engineering.

You start by selecting a

- Country,
- Product or
- Sector.

By further specifying the remaining criteria you will find exactly the right contact partner with his/her respective expertise.

The screenshot shows the 'Please select a sector' step. It lists various sectors under 'Which sector is your question regarding?'. The 'Sales' team is selected in the dropdown at the bottom. A 'Next >' button is visible at the bottom right.

The screenshot shows the 'Please select a Siemens product group' step. It lists various product groups under 'Which product does your question refer to?'. The 'Sales' team is selected in the dropdown at the bottom. A 'Next >' button is visible at the bottom right.

Appendix

A&D-Online Services

Information and ordering
on the Internet and on CD-ROM

A&D in the WWW



A detailed knowledge of the range of products and services available is essential when planning and configuring automation systems. It goes without saying that this information must always be fully up-to-date.

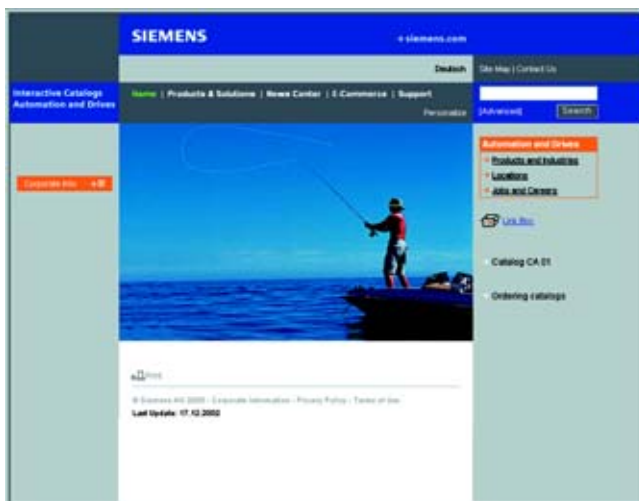
The Siemens Automation and Drives Group (A&D) has therefore built up a comprehensive range of information in the World Wide Web, which offers quick and easy access to all data required.

Under the address

<http://www.siemens.com/automation>

you will find everything you need to know about products, systems and services.

Product selection using the A&D Offline Mall



Detailed information together with convenient interactive functions: The interactive catalog CA 01 covers more than 80,000 products and thus provides a full summary of the Siemens Automation and Drives product base.

Here you will find everything that you need to solve tasks in the fields of automation, switchgear, installation and drives.

All information is linked into a user interface which is easy to work with and intuitive.

After selecting the product of your choice you can order at the press of a button, by fax or by online link.

Information on the interactive catalog CA 01 can be found on the Internet under

<http://www.siemens.com/automation/ca01>

or on CD-ROM or DVD.

Easy shopping with the A&D Mall



The A&D Mall is the virtual department store of Siemens AG in the Internet. Here you have access to a huge range of products presented in electronic catalogs in an informative and attractive way.

Data transfer via EDIFACT allows the whole procedure from selection through ordering to tracking of the order to be carried out online via the Internet.

Numerous functions are available to support you.

For example, powerful search functions make it easy to find the required products, which can be immediately checked for availability. Customer-specific discounts and preparation of quotes can be carried out online as well as order tracking and tracing.

Please visit the A&D Mall on the Internet under:

<http://www.siemens.com/automation/mall>

Our services for every phase of your project

General



In the face of harsh competition you need optimum conditions to keep ahead all the time: A strong starting position. A sophisticated strategy and team for the necessary support - in every phase. Service & Support from Siemens provides this support with a complete range of different services for automation and drives.

In every phase: from planning and startup to maintenance and upgrading.

Our specialists know when and where to act to keep the productivity and cost-effectiveness of your system running in top form.

Online support



The comprehensive information system available round the clock via Internet ranging from Product Support and Service & Support services to Support Tools in the Shop.
<http://www.support.automation.siemens.com>

Technical support



Competent consulting in technical questions covering a wide range of customer-oriented services for all our products and systems.

Tel.: +49 (0)911 895 5900¹⁾
Fax: +49 (0)911 895 5907¹⁾
E-Mail: technical-assistance@siemens.com

Technical consulting



Support in the planning and designing of your project from detailed actual-state analysis, target definition and consulting on product and system questions right to the creation of the automation solution.¹⁾

Configuration and software engineering



Support in configuring and developing with customer-oriented services from actual configuration to implementation of the automation project.¹⁾

Service on site



With Service On Site we offer services for startup and maintenance, essential for ensuring system availability.

In Germany Tel.:
+49 (0)180 50 50 444¹⁾

Repairs and spare parts



In the operating phase of a machine or automation system we provide a comprehensive repair and spare parts service ensuring the highest degree of operating safety and reliability.

In Germany Tel.:
+49 (0)180 50 50 446¹⁾

Optimization and upgrading



To enhance productivity and save costs in your project we offer high-quality services in optimization and upgrading.¹⁾

¹⁾ For country-specific telephone numbers go to our Internet site at:
<http://www.siemens.com/automation/service&support>

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* You can order this quantity or a multiple thereof.

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5TA7 650	11/12, 14/6		1	021	1
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5TA7 677	1/14, 14/6		1	021	1
5TA7 678	1/14, 14/6		1	021	1
5TA7 680	1/14, 14/7		1	021	1
5TA7 681	1/14, 14/7		1	021	1
5TA7 682	5/17, 14/7		1	021	1
5TA7 683	5/17, 14/7		1	021	1
5TA7 684	5/17, 14/7		1	021	1
5TA7 685	6/13, 14/8		1	021	1
5TA7 686	6/13, 14/8		1	021	1
5TA7 687	6/13, 14/8		1	021	1
5TB6					
5TB6 231	11/11		1	021	1/10
5TC1					
5TC1 230	1/27, 5/28, 5/29, 6/21, 12/14, 17/7		1	024	1
5TC1 231	1/15, 5/17, 6/13, 6/14, 14/3, 17/8		1	024	1
5TC1 232	1/28, 5/29, 6/21, 12/15, 17/6		1	024	1
5TC1 233	1/28, 5/29, 6/21, 12/16, 17/6		1	024	1
5TC1 270	1/17, 5/20, 6/15, 8/12, 14/3		1	024	1
5TC1 271	1/18, 5/20, 6/16, 8/13, 14/4		1	024	1
5TC1 290	18/3		1	024	1
5TC1 291	18/4		1	024	1
5TC1 293	18/3		1	024	1
5TC1 294	18/3		1	024	1
5TC1 295	18/3		1	024	1

Appendix

Order number index

Order No.	Page	Price 1 unit	PU Unit	PG	PS*/ P. unit Unit(s)
5TC1 296	18/4		1	024	1
5TC1 297	18/4		1	024	1
5TC1 300	1/27		1	024	1
5TC1 301	1/27		1	024	1
5TC1 302	1/27		1	024	1
5TC1 303	1/27		1	024	1
5TC1 310	5/28		1	024	1
5TC1 311	5/28		1	024	1
5TC1 312	5/28		1	024	1
5TC1 313	5/28		1	024	1
5TC1 314	5/28		1	024	1
5TC1 315	5/28		1	024	1
5TC1 316	5/28		1	024	1
5TC1 317	6/21		1	024	1
5TC1 318	6/21		1	024	1
5TC1 320	1/15		1	024	1
5TC1 321	1/15		1	024	1
5TC1 322	1/15		1	024	1
5TC1 323	1/15		1	024	1
5TC1 330	5/17		1	024	1
5TC1 331	5/17		1	024	1
5TC1 332	5/17		1	024	1
5TC1 333	5/17		1	024	1
5TC1 334	5/17		1	024	1
5TC1 335	5/17		1	024	1
5TC1 336	5/17		1	024	1
5TC1 337	6/13		1	024	1
5TC1 338	6/13		1	024	1
5TC1 500	1/29, 1/30, 5/30, 5/32, 6/22, 6/23, 8/16, 8/17, 13/5		1	024	1
5TC1 501	1/29, 1/30, 5/30, 5/32, 6/22, 6/23, 8/16, 8/17, 13/6		1	024	1
5TC1 502	1/29, 1/30, 5/30, 5/32, 6/22, 6/23, 8/16, 8/17, 13/7		1	024	1
5TC1 503	1/29, 5/30, 6/22		1	024	1
5TC1 504	1/29, 5/30, 6/22		1	024	1
5TC1 505	1/30, 5/31, 6/23		1	024	1
5TC1 506	1/30, 5/31, 6/23		1	024	1
5TC1 507	1/29, 5/30		1	024	1
5TC1 508	1/29, 5/30		1	024	1
5TC1 510	1/30, 5/31		1	024	1
5TC1 511	1/30, 5/31		1	024	1
5TC1 512	1/29, 5/30		1	024	1
5TC1 513	1/29, 5/30		1	024	1
5TC1 514	1/30, 5/31		1	024	1
5TC1 515	1/30, 5/31		1	024	1
5TC1 520	1/16, 5/18, 6/14, 14/9		1	024	1
5TC1 521	1/17, 5/19, 6/15, 14/10		1	024	1
5TC1 522	1/16, 5/18, 14/9		1	024	1
5TC1 523	1/17, 5/19, 14/10		1	024	1
5TC1 524	1/16, 5/18, 14/9		1	024	1
5TC1 525	1/17, 5/19, 14/10		1	024	1

Order No.	Page	Price 1 unit	PU Unit	PG	PS*/ P. unit Unit(s)
5TC1 526	1/17, 1/45, 5/19, 5/48, 6/15, 6/38, 8/12, 8/26, 14/10, 14/11		1	024	1
5TC1 527	1/29		1	024	1
5TC1 528	1/29		1	024	1
5TC1 530	1/30		1	024	1
5TC1 531	1/30		1	024	1
5TC1 532	1/16, 14/9		1	024	1
5TC1 533	1/17, 14/10		1	024	1
5TC1 534	5/30		1	024	1
5TC1 535	5/30		1	024	1
5TC1 536	5/30		1	024	1
5TC1 538	5/30		1	024	1
5TC1 540	5/30		1	024	1
5TC1 541	5/30		1	024	1
5TC1 543	5/31		1	024	1
5TC1 544	5/31		1	024	1
5TC1 545	5/31		1	024	1
5TC1 547	5/31		1	024	1
5TC1 548	5/31		1	024	1
5TC1 550	5/31		1	024	1
5TC1 552	5/18, 14/9		1	024	1
5TC1 553	5/18, 14/9		1	024	1
5TC1 554	5/18, 14/9		1	024	1
5TC1 556	5/19, 14/10		1	024	1
5TC1 557	5/19, 14/10		1	024	1
5TC1 558	5/19, 14/10		1	024	1
5TC6					
5TC6 100	17/11		1	024	1
5TC6 101	17/11		1	024	1
5TC6 102	17/12		1	024	1
5TC6 103	17/12		1	024	1
5TC6 107	17/11		1	024	1
5TC6 110	17/12		1	024	1
5TC6 111	17/12		1	024	1
5TC6 112	17/12		1	024	1
5TC6 200	17/13		1	024	1
5TC6 201	17/13		1	024	1
5TC6 202	17/13		1	024	1
5TC6 203	17/13		1	024	1
5TC6 204	17/13		1	024	1
5TC6 205	17/14		1	024	1
5TC6 250	17/14		1	024	1
5TC6 251	17/14		1	024	1
5TC6 252	17/14		1	024	1
5TC6 300	17/14		1	024	1
5TC6 301	17/15		1	024	1
5TC6 330	17/15		1	024	1
5TC6 331	17/15		1	024	1
5TC6 380	17/15		1	024	1
5TC6 383	17/15		1	024	1
5TC6 900	17/12		1	024	1
5TC7					
5TC7 210	18/2		1	024	1

* You can order this quantity or a multiple thereof.

Order number index

Order No.	Page	Price 1 unit	PU Unit	PG	PS*/ P. unit Unit(s)
5TC7 211	18/2		1	024	1
5TC7 212	18/2		1	024	1
5TC7 213	18/2		1	024	1
5TC7 214	18/2		1	024	1
5TC7 215	18/2		1	024	1
5TC7 900	18/2		1	024	1
5TC7 901	18/2		1	024	1
5TC7 902	18/2		1	024	1
5TC8					
5TC8 232	1/27, 5/28, 6/20, 8/15, 12/13		1	024	1
5TC8 240	1/27, 5/28, 6/20, 8/15, 12/13		1	024	1
5TC8 256	1/26, 5/27, 6/20, 7/12, 8/15, 12/10		1	024	1
5TC8 257	1/26, 5/27, 6/20, 7/12, 8/15, 12/11		1	024	1
5TC8 258	1/26, 5/27, 6/20, 7/12, 8/15, 12/12		1	024	1
5TC8 283	1/26, 5/27, 6/20, 7/12, 8/15, 12/11		1	024	1
5TC8 284	1/26, 5/27, 6/20, 7/12, 8/15, 12/12		1	024	1
5TC8 424	1/26, 5/27, 6/20, 7/12, 8/15, 12/14		1	024	1
5TC8 425	1/26, 5/27, 6/20, 7/12, 8/15, 12/15		1	024	1
5TC8 604	1/28, 5/29, 6/21, 12/16		1	024	1
5TC8 900	1/26		1	024	1/10
5TC8 901	1/26		1	024	1/10
5TC8 902	1/26		1	024	1/10
5TC8 903	1/26		1	024	1/10
5TC8 904	5/27		1	024	1/10
5TC8 905	5/27		1	024	1/10
5TC8 906	5/27		1	024	1/10
5TC8 907	5/27		1	024	1/10
5TC8 908	5/27		1	024	1/10
5TC8 910	5/27		1	024	1/10
5TC8 911	5/27		1	024	1/10
5TC8 912	6/20		1	024	1/10
5TC8 913	6/20		1	024	1/10
5TC8 914	7/12		1	024	1/5
5TC8 915	7/12		1	024	1/5
5TC8 916	7/12		1	024	1/5
5TC8 917	7/12		1	024	1/5
5TC8 918	7/12		1	024	1/5
5TC8 920	7/12		1	024	1/5
5TC8 921	8/15		1	024	1/5
5TC8 924	1/28		1	024	1/10
5TC8 925	1/28		1	024	1/10
5TC8 926	5/29		1	024	1/10
5TC8 927	6/21		1	024	1/10
5TC9					
5TC9 200	1/31, 5/33, 6/24, 8/18, 15/2		1	024	1
5TC9 201	1/31, 5/33, 6/24, 8/18, 15/2		1	024	1/100

Order No.	Page	Price 1 unit	PU Unit	PG	PS*/ P. unit Unit(s)
5TC9 202	1/31, 5/33, 6/24, 8/18, 15/3		1	024	1
5TC9 203	1/31, 5/33, 6/24, 15/3		1	024	1
5TC9 220	1/31		1	024	1
5TC9 221	1/31		1	024	1/25
5TC9 222	1/31		1	024	1
5TC9 223	1/31		1	024	1
5TC9 224	1/31		1	024	1
5TC9 225	1/31		1	024	1
5TC9 226	5/33		1	024	1/25
5TC9 227	5/33		1	024	1
5TC9 228	5/33		1	024	1
5TC9 230	5/33		1	024	1
5TC9 231	5/33		1	024	1
5TC9 232	5/33		1	024	1
5TC9 233	5/33		1	024	1
5TC9 234	5/33		1	024	1
5TC9 235	5/33		1	024	1
5TC9 236	5/33		1	024	1
5TC9 237	5/33		1	024	1
5TC9 238	5/33		1	024	1
5TC9 240	5/33		1	024	1
5TC9 241	5/33		1	024	1
5TC9 242	5/33		1	024	1
5TC9 243	5/33		1	024	1
5TC9 244	5/33		1	024	1
5TC9 245	5/33		1	024	1
5TC9 246	5/33		1	024	1
5TC9 247	5/33		1	024	1
5TC9 248	5/33		1	024	1
5TC9 250	1/31		1	024	1
5TC9 251	1/31		1	024	1
5TC9 252	1/31		1	024	1
5TC9 253	1/31		1	024	1
5TC9 254	1/31		1	024	1
5TC9 255	1/31		1	024	1
5TC9 256	6/24		1	024	1
5TC9 257	6/24		1	024	1
5TC9 258	6/24		1	024	1
5TC9 260	6/24		1	024	1
5TC9 261	6/24		1	024	1
5TC9 262	6/24		1	024	1
5TC9 263	8/18		1	024	1/25
5TC9 266	8/18		1	024	1
5TD2					
5TD2 111	1/9, 5/13, 5/14, 6/10, 6/11, 7/9, 8/9, 8/10, 12/10		1	021	1/10
5TD2 114	1/7, 1/11, 5/11, 5/12, 5/15, 6/8, 6/9, 6/12, 7/8, 8/8, 12/9		1	021	1/10
5TD2 115	1/9, 5/13, 6/10, 6/11, 7/9, 8/9, 8/10, 12/9		1	021	1/10

* You can order this quantity or a multiple thereof.

Appendix

Order number index

Order No.	Page	Price 1 unit	PU Unit	PG	PS*/ P. unit Unit(s)
5TD2 116	1/7, 1/11, 5/11, 5/12, 5/15, 6/8, 6/9, 6/12, 7/8, 8/8, 8/9, 8/10, 12/8		1	021	1/10
5TD2 117	1/7, 1/11, 5/11, 5/12, 5/15, 6/8, 6/9, 6/12, 7/8, 8/8, 12/9		1	021	1/10
5TD2 120	1/7, 1/8, 1/10, 1/11, 1/12, 5/11, 5/12, 5/15, 6/8, 6/9, 6/10, 6/12, 7/8, 8/8, 8/9, 8/10, 12/7		1	021	1/10
5TD2 123	1/7, 1/10, 1/11, 1/12, 5/11, 5/12, 5/15, 6/8, 6/9, 6/10, 6/12, 7/8, 8/8, 8/9, 8/10, 12/8		1	021	1/10
5TD2 125	1/40, 12/8		1	021	1/10
5TD2 813	1/41		1	021	1
5TD2 814	1/41		1	021	1
5TD2 832	5/47		1	021	1
5TD2 833	5/47		1	021	1
5TD2 834	5/47		1	021	1
5TD2 850	8/25		1	021	1/5
5TD2 860	6/36		1	021	1
5TD2 861	6/36		1	021	1
5TD2 865	1/41		1	021	1
5TD2 866	1/41		1	021	1
5TD3					
5TD3 251	10/4		1	021	1/10
5TD3 252	10/5		1	021	1/10
5TD3 253	10/5		1	021	1/10
5TD3 254	10/5		1	021	1/10
5TD3 255	10/6		1	021	1/10
5TD4					
5TD4 701	11/11		1	021	1/10
5TD4 705	11/12		1	021	1/10
5TD4 706	11/11		1	021	1/10
5TD4 707	11/10		1	021	1/10
5TD4 708	11/12, 14/6		1	021	1/10
5TD4 780	11/11		1	021	1/10
5TD4 811	11/16		1	021	1/5
5TG1					
5TG1 101-0	4/8		1	021	1
5TG1 101-1	4/8		1	021	1
5TG1 101-2	4/8		1	021	1
5TG1 101-3	4/8		1	021	1
5TG1 101-4	4/8		1	021	1
5TG1 102-0	4/8		1	021	1
5TG1 102-1	4/8		1	021	1
5TG1 102-2	4/8		1	021	1
5TG1 102-3	4/8		1	021	1
5TG1 102-4	4/8		1	021	1
5TG1 103-0	4/8		1	021	1
5TG1 103-1	4/8		1	021	1
5TG1 103-2	4/8		1	021	1
5TG1 103-3	4/8		1	021	1
5TG1 103-4	4/8		1	021	1

Order No.	Page	Price 1 unit	PU Unit	PG	PS*/ P. unit Unit(s)
5TG1 104-0	4/8		1	021	1
5TG1 104-1	4/8		1	021	1
5TG1 104-2	4/8		1	021	1
5TG1 104-3	4/8		1	021	1
5TG1 104-4	4/8		1	021	1
5TG1 111-0	4/9		1	021	1/10
5TG1 111-1	4/9		1	021	1/10
5TG1 111-2	4/9		1	021	1/10
5TG1 112-0	4/9		1	021	1/10
5TG1 112-1	4/9		1	021	1/10
5TG1 112-2	4/9		1	021	1/10
5TG1 113-0	4/9		1	021	1/10
5TG1 113-1	4/9		1	021	1/10
5TG1 113-2	4/9		1	021	1/10
5TG1 114-0	4/9		1	021	1/10
5TG1 114-1	4/9		1	021	1/10
5TG1 114-2	4/9		1	021	1/10
5TG1 115-0	4/9		1	021	1/3
5TG1 115-1	4/9		1	021	1/3
5TG1 115-2	4/9		1	021	1/3
5TG1 136	1/10, 1/43		1	021	1
5TG1 137	1/9, 1/10, 1/13, 1/43		1	021	1
5TG1 138	1/8, 1/43		1	021	1
5TG1 141	3/9		1	021	1/10
5TG1 142	3/9		1	021	1/10
5TG1 143	3/9		1	021	1/10
5TG1 144	3/9		1	021	1/10
5TG1 145	3/9		1	021	1/5
5TG1 150	2/9, 3/9, 4/9		1	021	1/10
5TG1 151	3/9		1	021	1/10
5TG1 152	3/9		1	021	1/10
5TG1 153	3/9		1	021	1/10
5TG1 154	3/9		1	021	1/10
5TG1 155	3/9		1	021	1/5
5TG1 160	2/9, 3/9, 4/9		1	021	1/10
5TG1 161	3/9		1	021	1/10
5TG1 162	3/9		1	021	1/10
5TG1 163	3/9		1	021	1/10
5TG1 164	3/9		1	021	1/10
5TG1 165	3/9		1	021	1/5
5TG1 171	3/9		1	021	1/10
5TG1 172	3/9		1	021	1/10
5TG1 173	3/9		1	021	1/10
5TG1 174	3/9		1	021	1/10
5TG1 175	3/9		1	021	1/5
5TG1 177	3/10		1	021	1/10
5TG1 178	3/10		1	021	1/10
5TG1 180	3/10		1	021	1/10
5TG1 181	3/10		1	021	1/10
5TG1 182	3/10		1	021	1/10
5TG1 183	3/10		1	021	1/10
5TG1 184	3/10		1	021	1/10
5TG1 185	3/10		1	021	1/10

* You can order this quantity or a multiple thereof.

Order number index

Order No.	Page	Price 1 unit	PU Unit	PG	PS*/ P. unit Unit(s)
5TG1 186	3/10		1	021	1/10
5TG1 187	3/10		1	021	1/10
5TG1 188-1	3/10		1	021	1/10
5TG1 201	4/8		1	021	1
5TG1 202	4/8		1	021	1
5TG1 203	4/8		1	021	1
5TG1 204	4/8		1	021	1
5TG1 205	4/8		1	021	1
5TG1 207	1/35		1	021	1/10
5TG1 208	1/35		1	021	1/10
5TG1 210	1/35		1	021	1/10
5TG1 211	1/35		1	021	1/10
5TG1 220	1/41		1	021	1/10
5TG1 221	1/41		1	021	1/10
5TG1 222	1/38		1	021	1/10
5TG1 223	1/38		1	021	1/10
5TG1 224	1/38		1	021	1/10
5TG1 225	16/9		1	021	1/10
5TG1 226-2	1/35		1	021	1/10
5TG1 227	1/36		1	021	1/10
5TG1 228	1/36		1	021	1/10
5TG1 230	1/35		1	021	1/10
5TG1 231	1/35		1	021	1/10
5TG1 250	1/41		1	021	1/10
5TG1 251	1/41		1	021	1/10
5TG1 252	1/38		1	021	1/10
5TG1 253	1/38		1	021	1/10
5TG1 254	1/38		1	021	1/10
5TG1 255	16/9		1	021	1/10
5TG1 256-2	1/35		1	021	1/10
5TG1 257	1/36		1	021	1/10
5TG1 258	1/36		1	021	1/10
5TG1 260	1/35		1	021	1/10
5TG1 261	1/35		1	021	1/10
5TG1 305	6/9, 6/10, 6/37		1	021	1
5TG1 306	6/11, 6/37		1	021	1
5TG1 316	6/9, 6/37		1	021	1
5TG1 321	6/7		1	021	1/10
5TG1 322	6/7		1	021	1/10
5TG1 323	6/7		1	021	1/10
5TG1 324	6/7		1	021	1/10
5TG1 325	6/7		1	021	1/5
5TG1 326	6/7		1	021	1/10
5TG1 327	6/7, 6/14, 6/15, 6/22, 6/23, 14/9, 14/10		1	021	1/10
5TG1 328	6/7, 6/26, 6/27, 6/28, 6/29, 6/30		1	021	1/10
5TG1 330	6/36		1	021	1/10
5TG1 331	6/31		1	021	1/10
5TG1 332	6/32		1	021	1/10
5TG1 335	6/36		1	021	1/10
5TG1 337	6/34		1	021	1/10
5TG1 338	6/34		1	021	1/10
5TG1 340	6/18		1	021	1/10

* You can order this quantity or a multiple thereof.

Order No.	Page	Price 1 unit	PU Unit	PG	PS*/ P. unit Unit(s)
5TG1 342	6/31		1	021	1/10
5TG1 344	6/31		1	021	1
5TG1 345	6/31		1	021	1
5TG1 348	16/8		1	021	1/10
5TG1 350	16/8		1	021	1/10
5TG1 351	16/8		1	021	1/10
5TG1 355	16/9		1	021	1
5TG1 358	6/32		1	021	1
5TG1 361	6/7		1	021	1/10
5TG1 362	6/7		1	021	1/10
5TG1 363	6/7		1	021	1/10
5TG1 364	6/7		1	021	1/10
5TG1 365	6/7		1	021	1/5
5TG1 366	6/7		1	021	1/10
5TG1 367	6/7		1	021	1/10
5TG1 368	6/7, 6/26, 6/27, 6/28, 6/29, 6/30		1	021	1/10
5TG1 370	6/36		1	021	1/10
5TG1 371	6/31		1	021	1/10
5TG1 372	6/32		1	021	1/10
5TG1 375	6/36		1	021	1/10
5TG1 377	6/34		1	021	1/10
5TG1 378	6/34		1	021	1/10
5TG1 380	6/18		1	021	1/10
5TG1 382	6/31		1	021	1/10
5TG1 384	6/31		1	021	1
5TG1 385	6/31		1	021	1
5TG1 398	6/32		1	021	1
5TG1 418	16/10		1	021	1/5
5TG1 438	16/8		1	021	1/5
5TG1 458	16/10		1	021	1/5
5TG1 478	16/8		1	021	1/5
5TG1 500	8/22		1	021	1/5
5TG1 506	8/7		1	021	1/5
5TG1 507	8/25		1	021	1/5
5TG1 508	16/10		1	021	1/5
5TG1 510	8/25		1	021	1/5
5TG1 511	8/7		1	021	1/5
5TG1 512	8/7		1	021	1/5
5TG1 513	8/7		1	021	1/5
5TG1 514	8/7		1	021	1/5
5TG1 515	8/7		1	021	1/5
5TG1 516	8/24		1	021	1/5
5TG1 517	8/24		1	021	1/5
5TG1 518	8/24		1	021	1/5
5TG1 521	8/22		1	021	1/10
5TG1 522	8/23		1	021	1/10
5TG1 528	16/8		1	021	1/5
5TG1 600	7/15		1	021	1/5
5TG1 601	7/7		1	021	1/5
5TG1 602	7/7		1	021	1/5
5TG1 603	7/7		1	021	1/5
5TG1 604	7/7		1	021	1/5
5TG1 605	7/14		1	021	1/5

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Order No.	Page	Price 1 unit	PU Unit	PG	PS*/ P. unit Unit(s)
5TG1 606	16/10		1	021	1/5
5TG1 607	7/13		1	021	1/5
5TG1 610	7/15		1	021	1/5
5TG1 611	7/7		1	021	1/5
5TG1 612	7/7		1	021	1/5
5TG1 613	7/7		1	021	1/5
5TG1 614	7/7		1	021	1/5
5TG1 615	7/14		1	021	1/5
5TG1 616	16/10		1	021	1/5
5TG1 617	7/13		1	021	1/5
5TG1 620	7/15		1	021	1/5
5TG1 621	7/7		1	021	1/5
5TG1 622	7/7		1	021	1/5
5TG1 623	7/7		1	021	1/5
5TG1 624	7/7		1	021	1/5
5TG1 625	7/14		1	021	1/5
5TG1 626	16/10		1	021	1/5
5TG1 627	7/13		1	021	1/5
5TG1 630	7/13		1	021	1/5
5TG1 631	7/13		1	021	1/5
5TG1 632	7/13		1	021	1/5
5TG1 633	7/13		1	021	1/5
5TG1 634	7/13		1	021	1/5
5TG1 635	7/13		1	021	1/5
5TG1 638	7/14		1	021	1/5
5TG1 647	7/14		1	021	1/5
5TG1 648	7/14		1	021	1/5
5TG1 650	7/15		1	021	1/5
5TG1 651	7/7		1	021	1/5
5TG1 652	7/7		1	021	1/5
5TG1 653	7/7		1	021	1/5
5TG1 654	7/7		1	021	1/5
5TG1 655	7/14		1	021	1/5
5TG1 656	16/10		1	021	1/5
5TG1 657	7/13		1	021	1/5
5TG1 658	7/14		1	021	1/5
5TG1 668	7/14		1	021	1/5
5TG1 670	7/15		1	021	1/5
5TG1 671	7/7		1	021	1/5
5TG1 672	7/7		1	021	1/5
5TG1 673	7/7		1	021	1/5
5TG1 674	7/7		1	021	1/5
5TG1 675	7/14		1	021	1/5
5TG1 676	16/10		1	021	1/5
5TG1 677	7/13		1	021	1/5
5TG1 680	7/15		1	021	1/5
5TG1 681	7/7		1	021	1/5
5TG1 682	7/7		1	021	1/5
5TG1 683	7/7		1	021	1/5
5TG1 684	7/7		1	021	1/5
5TG1 685	7/14		1	021	1/5
5TG1 686	16/10		1	021	1/5
5TG1 687	7/13		1	021	1/5

Order No.	Page	Price 1 unit	PU Unit	PG	PS*/ P. unit Unit(s)
5TG1 690	7/14		1	021	1/5
5TG1 700-2	5/41		1	021	1/10
5TG1 701-1	5/9		1	021	1/10
5TG1 705-1	5/10, 5/18, 5/19, 5/30, 5/32		1	021	1/10
5TG1 706-1	5/9		1	021	1/10
5TG1 708-1	16/9		1	021	1/10
5TG1 710-1	5/46		1	021	1/10
5TG1 711-1	5/8		1	021	1/10
5TG1 712-1	5/8		1	021	1/10
5TG1 713-1	5/8		1	021	1/10
5TG1 714-1	5/8		1	021	1/10
5TG1 715-1	5/8		1	021	1/5
5TG1 716-1	5/44		1	021	1/10
5TG1 718-1	5/44		1	021	1/10
5TG1 720-2	5/41		1	021	1/10
5TG1 721-1	5/9		1	021	1/10
5TG1 726-1	5/9		1	021	1/10
5TG1 728-1	16/9		1	021	1/10
5TG1 730-1	5/46		1	021	1/10
5TG1 731-1	5/8		1	021	1/10
5TG1 732-1	5/8		1	021	1/10
5TG1 733-1	5/8		1	021	1/10
5TG1 734-1	5/8		1	021	1/10
5TG1 735-1	5/8		1	021	1/5
5TG1 736-1	5/44		1	021	1/10
5TG1 738-1	5/44		1	021	1/10
5TG1 740-2	5/41		1	021	1/10
5TG1 741-1	5/9		1	021	1/10
5TG1 745-1	5/10, 5/18, 5/19, 5/30, 5/32		1	021	1/10
5TG1 746-1	5/9		1	021	1/10
5TG1 748-1	16/9		1	021	1/10
5TG1 750-1	5/46		1	021	1/10
5TG1 751-1	5/8		1	021	1/10
5TG1 752-1	5/8		1	021	1/10
5TG1 753-1	5/8		1	021	1/10
5TG1 754-1	5/8		1	021	1/10
5TG1 755-1	5/8		1	021	1/5
5TG1 756-1	5/44		1	021	1/10
5TG1 758-1	5/44		1	021	1/10
5TG1 760-2	5/41		1	021	1/10
5TG1 761	5/9		1	021	1/10
5TG1 762	5/10, 5/18, 5/19, 5/30, 5/32, 14/9, 14/10		1	021	1/10
5TG1 763	5/9		1	021	1/10
5TG1 764	5/9		1	021	1/10
5TG1 765	5/41		1	021	1/10
5TG1 766	5/9		1	021	1/10
5TG1 767	5/42		1	021	1/10
5TG1 768	16/9		1	021	1/10
5TG1 770	5/46		1	021	1/10
5TG1 771	5/8		1	021	1/10
5TG1 772	5/8		1	021	1/10

* You can order this quantity or a multiple thereof.

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Order No.	Page	Price 1 unit	PU Unit	PG	PS*/ P. unit Unit(s)
5TG1 773	5/8		1	021	1/10
5TG1 774	5/8		1	021	1/10
5TG1 775	5/8		1	021	1/5
5TG1 776	5/44		1	021	1/10
5TG1 777	5/44		1	021	1/10
5TG1 778	5/44		1	021	1/10
5TG1 800-2	5/41		1	021	1/10
5TG1 801	5/9		1	021	1/10
5TG1 802	5/9		1	021	1/10
5TG1 803	5/9		1	021	1/10
5TG1 804	5/9		1	021	1/10
5TG1 806	5/9		1	021	1/10
5TG1 807	5/46		1	021	1/10
5TG1 808	16/9		1	021	1/10
5TG1 810	5/46		1	021	1/10
5TG1 811	5/8		1	021	1/10
5TG1 812	5/8		1	021	1/10
5TG1 813	5/8		1	021	1/10
5TG1 814	5/8		1	021	1/10
5TG1 815	5/8		1	021	1/5
5TG1 816	5/44		1	021	1/10
5TG1 817	5/44		1	021	1/10
5TG1 818	5/41		1	021	1/10
5TG1 820	5/24		1	021	1/10
5TG1 821	5/42		1	021	1/10
5TG1 825	5/45		1	021	1/5
5TG1 826	5/45		1	021	1/5
5TG1 828	5/44		1	021	1/10
5TG1 830-2	5/41		1	021	1/10
5TG1 831	5/9		1	021	1/10
5TG1 832	5/9		1	021	1/10
5TG1 833	5/9		1	021	1/10
5TG1 834	5/9		1	021	1/10
5TG1 835	5/10, 5/18, 5/19, 5/30, 5/32, 14/9, 14/10		1	021	1/10
5TG1 836	5/9		1	021	1/10
5TG1 837	5/46		1	021	1/10
5TG1 838	16/9		1	021	1/10
5TG1 840	5/46		1	021	1/10
5TG1 841	5/8		1	021	1/10
5TG1 842	5/8		1	021	1/10
5TG1 843	5/8		1	021	1/10
5TG1 844	5/8		1	021	1/10
5TG1 845	5/8		1	021	1/5
5TG1 846	5/44		1	021	1/10
5TG1 847	5/44		1	021	1/10
5TG1 848	5/41		1	021	1/10
5TG1 850	5/24		1	021	1/10
5TG1 851	5/42		1	021	1/10
5TG1 858	5/44		1	021	1/10
5TG1 860-2	5/41		1	021	1/10
5TG1 861	5/9		1	021	1/10
5TG1 862	5/9		1	021	1/10
5TG1 863	5/9		1	021	1/10

* You can order this quantity or a multiple thereof.

Order No.	Page	Price 1 unit	PU Unit	PG	PS*/ P. unit Unit(s)
5TG1 864	5/9		1	021	1/10
5TG1 866	5/9		1	021	1/10
5TG1 867	5/46		1	021	1/10
5TG1 868	16/9		1	021	1/10
5TG1 870	5/46		1	021	1/10
5TG1 871	5/8		1	021	1/10
5TG1 872	5/8		1	021	1/10
5TG1 873	5/8		1	021	1/10
5TG1 874	5/8		1	021	1/10
5TG1 875	5/8		1	021	1/5
5TG1 876	5/44		1	021	1/10
5TG1 877	5/44		1	021	1/10
5TG1 878	5/41		1	021	1/10
5TG1 880	5/24		1	021	1/10
5TG1 881	5/42		1	021	1/10
5TG1 885	5/10, 5/18, 5/19, 5/30, 5/32		1	021	1/10
5TG1 888	5/44		1	021	1/10
5TG1 893	5/10, 5/18, 5/19, 5/30, 5/32, 14/9, 14/10		1	021	1/10
5TG1 894	5/12, 5/48		1	021	1
5TG1 897	5/49, 6/36, 6/39, 8/25		1	021	1/10
5TG1 898	5/49, 6/36, 6/39, 8/26		1 set	021	1 set/ 10 sets
5TG1 911	5/45, 9/5, 9/7		1	021	1
5TG1 912	5/45, 9/5		1	021	1/20
5TG1 913	5/43, 6/33		1	021	1/10
5TG1 914	5/43, 6/33		1	021	1/10
5TG1 915	5/43, 6/33		1	021	1/10
5TG1 916	5/42		1	021	1
5TG1 917	5/42		1	021	1
5TG1 918	5/42		1	021	1
5TG1 938-1	5/41		1	021	1/10
5TG1 940-1	5/42		1	021	1/10
5TG1 943-1	5/41		1	021	1/10
5TG1 944-1	5/42		1	021	1/10
5TG1 947-1	5/41		1	021	1/10
5TG1 948-1	5/42		1	021	1/10
5TG1 954	16/7		1	021	1/10
5TG1 956	16/7		1	021	1/10
5TG1 957	16/7		1	021	1/10
5TG1 958	16/7		1	021	1/10
5TG1 964	16/8		1	021	1
5TG1 965	16/8		1	021	1
5TG1 970	16/9		1	021	1
5TG1 971	16/7		1	021	1/10
5TG1 972	16/7		1	021	1/10
5TG1 973	16/7		1	021	1/10
5TG1 978	16/8		1	021	1
5TG1 980	16/8		1	021	1
5TG1 984	16/9		1	021	1
5TG1 985	16/7		1	021	1/10
5TG1 986	16/7		1	021	1/10
5TG1 987	16/7		1	021	1/10

Appendix

Order number index

Order No.	Page	Price 1 unit	PU Unit	PG	PS*/ P. unit Unit(s)
5TG1 993	16/8		1	021	1
5TG1 994	16/8		1	021	1
5TG1 998	16/9		1	021	1
5TG2					
5TG2 008	1/39, 9/3, 9/7		1	021	1
5TG2 010	1/39, 9/3		1	021	1
5TG2 031	16/9				
5TG2 035	16/9		1	021	1
5TG2 040	1/37, 16/7		1	021	1
5TG2 041	1/37, 16/7		1	021	1
5TG2 042	1/37, 16/7		1	021	1
5TG2 043	16/7		1	021	1
5TG2 044	16/7		1	021	1
5TG2 045	16/7		1	021	1
5TG2 050	16/8		1	021	1
5TG2 052	1/37, 16/7		1	021	1
5TG2 053	1/37, 16/7		1	021	1
5TG2 054	1/37, 16/7		1	021	1
5TG2 055	16/7		1	021	1
5TG2 056	1/37, 5/42, 6/32		1	021	1
5TG2 057	1/37, 5/42, 6/32		1	021	1
5TG2 060	16/7		1	021	1
5TG2 061	16/7		1	021	1
5TG2 065	16/8		1	021	1
5TG2 067	1/37, 16/8		1	021	1
5TG2 068	1/37, 16/8		1	021	1
5TG2 078	1/37, 5/42, 6/32, 16/5		1	021	1
5TG2 080	1/37, 5/42, 6/32, 16/5		1	021	1
5TG2 081	1/37, 5/42, 6/32, 16/5		1	021	1
5TG2 082	1/37, 5/42, 6/32, 16/6		1	021	1
5TG2 083	1/37, 5/42, 6/32, 16/6		1	021	1
5TG2 084	1/37, 5/42, 6/32, 16/6		1	021	1
5TG2 406	1/36, 5/41, 5/42, 6/31, 6/32, 7/13, 8/22, 8/23, 16/4		1	021	1
5TG2 407	1/36, 5/41, 5/42, 6/31, 6/32, 7/13, 8/22, 8/23, 16/4		1	021	1
5TG2 417	1/36, 5/41, 5/42, 6/31, 6/32, 7/13, 8/22, 8/23, 16/4		1	021	1
5TG2 418	1/36, 5/41, 5/42, 6/31, 6/32, 7/13, 8/22, 8/23, 16/4		1	021	1
5TG2 448	1/36, 5/41, 5/42, 6/31, 6/32, 7/13, 8/22, 8/23, 16/4		1	021	1
5TG2 467-2	1/35, 5/41, 6/31, 7/13, 8/22, 16/10		1	021	1
5TG2 468-2	1/35, 5/41, 6/31, 7/13, 8/22, 16/10		1	021	1
5TG2 480	1/35, 5/41, 6/31, 7/13, 8/22, 16/3		1	021	1
5TG2 484	1/38, 5/44, 6/34, 7/14, 8/24, 16/2		1	021	1/10
5TG2 485	1/38, 5/44, 6/34, 7/14, 8/24, 16/2		1	021	1/10
5TG2 497	12/17		1 set	021	1 set
5TG2 498	12/17		1 set	021	1 set

Order No.	Page	Price 1 unit	PU Unit	PG	PS*/ P. unit Unit(s)
5TG2 528	1/38		1	021	1/10
5TG2 543	1/36		1	021	1/10
5TG2 544	1/36		1	021	1/10
5TG2 545	1/36		1	021	1/10
5TG2 546	1/36		1	021	1/10
5TG2 547	1/42		1	021	1/10
5TG2 548	1/38		1	021	1/10
5TG2 551-0	2/8		1	021	1/10
5TG2 551-1	2/9		1	021	1/10
5TG2 551-3	2/8		1	021	1/10
5TG2 551-4	2/9		1	021	1/10
5TG2 551-6	2/8		1	021	1/10
5TG2 551-7	2/9		1	021	1/10
5TG2 552-0	2/8		1	021	1/10
5TG2 552-1	2/9		1	021	1/10
5TG2 552-2	2/9		1	021	1/10
5TG2 552-3	2/8		1	021	1/10
5TG2 552-4	2/9		1	021	1/10
5TG2 552-5	2/9		1	021	1/10
5TG2 552-6	2/8		1	021	1/10
5TG2 552-7	2/9		1	021	1/10
5TG2 552-8	2/9		1	021	1/10
5TG2 553-0	2/8		1	021	1/10
5TG2 553-1	2/9		1	021	1/10
5TG2 553-2	2/9		1	021	1/10
5TG2 553-3	2/8		1	021	1/10
5TG2 553-6	2/8		1	021	1/10
5TG2 554-0	2/8		1	021	1/10
5TG2 554-1	2/9		1	021	1/10
5TG2 554-2	2/9		1	021	1/10
5TG2 554-3	2/8		1	021	1/10
5TG2 554-6	2/8		1	021	1/10
5TG2 555-0	2/8		1	021	1/5
5TG2 555-3	2/8		1	021	1/5
5TG2 555-6	2/8		1	021	1/5
5TG2 557	2/9, 3/9, 4/9		1	021	1/10
5TG2 558	1/41		1	021	1/10
5TG2 561	1/38		1	021	1/10
5TG2 562	16/9		1	021	1/10
5TG2 563-2	1/35		1	021	1/10
5TG2 564	1/39, 5/45		1	021	1/10
5TG2 565	1/38		1	021	1/10
5TG2 566	1/41		1	021	1/10
5TG2 567	1/42, 5/47		1	021	1/10
5TG2 568	1/42, 5/47		1	021	1/10
5TG2 577	1/42		1	021	1/10
5TG2 581-0	2/8		1	021	1/10
5TG2 581-1	2/9		1	021	1/10
5TG2 582-0	2/8		1	021	1/10
5TG2 582-1	2/9		1	021	1/10
5TG2 582-2	2/9		1	021	1/10
5TG2 583-0	2/8		1	021	1/10
5TG2 583-1	2/9		1	021	1/10

* You can order this quantity or a multiple thereof.

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Order No.	Page	Price 1 unit	PU Unit	PG	PS*/ P. unit Unit(s)
5TG2 583-2	2/9		1	021	1/10
5TG2 584-0	2/8		1	021	1/10
5TG2 584-1	2/9		1	021	1/10
5TG2 584-2	2/9		1	021	1/10
5TG2 585-0	2/8		1	021	1/5
5TG2 587	2/9, 4/9		1	021	1/10
5TG2 588	1/41		1	021	1/10
5TG2 591	1/38		1	021	1/10
5TG2 592	16/9		1	021	1/10
5TG2 593-2	1/35		1	021	1/10
5TG2 594	1/39		1	021	1/10
5TG2 595	1/38		1	021	1/10
5TG2 596	1/41		1	021	1/10
5TG2 597	1/42		1	021	1/10
5TG2 598	1/42		1	021	1/10
5TG2 785	1/46, 5/49, 6/39, 8/26, 11/17, 12/17		1	021	1/10
5TG2 853	1/35, 5/41, 6/31, 7/13, 8/22, 16/3		1	021	1
5TG2 854	1/35, 5/41, 6/31, 7/13, 8/22, 16/3		1	021	1
5TG2 855	1/35, 5/41, 6/31, 7/13, 8/22, 16/3		1	021	1
5TG2 861	2/11		1	021	1/5
5TG2 862	2/11		1	021	1/3
5TG2 863	2/11		1	021	1/2
5TG2 864	2/11, 2/12		1 set	021	1 set
5TG2 865	2/11, 2/12		1 set	021	1 set
5TG2 901	2/11, 6/35		1	021	1/5
5TG2 902	2/11, 6/35		1	021	1/3
5TG2 903	2/11, 6/35		1	021	1/2
5TG2 904	2/11, 2/12, 6/35, 6/39		1 set	021	1 set
5TG2 905	2/11, 2/12, 6/35, 6/39		1 set	021	1 set
5TG4					
5TG4 200	1/41, 1/46, 11/18		1 set	021	1 set/ 10 sets
5TG4 204	11/17		1	021	1/10
5TG4 205	11/17		1	021	1/10
5TG4 206	11/18		1	021	1/10
5TG4 207	11/18		1	021	1/10
5TG4 208	11/18		1	021	1/10
5TG4 210	11/18		1	021	1/10
5TG4 212	11/17		1	021	1/10
5TG4 225	1/14, 5/17, 6/13, 14/6, 14/7, 14/8		1	021	1/10
5TG4 230	10/9		1	021	1/10
5TG4 238	10/9		1	021	1/50
5TG4 240	10/9		1	021	1/50
5TG4 251	10/9		1	021	1/10
5TG4 252	10/9		1	021	1/10
5TG4 253	10/9		1	021	1/10
5TG4 318	1/19, 1/44, 2/8, 2/11, 3/9, 4/8, 6/7, 6/18, 6/35, 6/38		1 set	021	1 set/ 10 sets
5TG4 324	1/7, 1/44, 2/8, 2/11, 3/9, 4/8, 6/7, 6/8, 6/35, 6/37		1 set	021	1 set/ 10 sets

* You can order this quantity or a multiple thereof.

Order No.	Page	Price 1 unit	PU Unit	PG	PS*/ P. unit Unit(s)
5TG4 801	5/47		1	021	1
5TG4 802	5/47		1	021	1
5TG4 803	5/47		1	021	1
5TG4 804	5/47		1	021	1
5TG4 805	5/47		1	021	1
5TG4 806	5/47		1	021	1
5TG4 810	5/46		1	021	1
5TG4 811	5/46		1	021	1
5TG4 812	6/36		1	021	1
5TG4 813	6/36		1	021	1
5TG4 814	5/46		1	021	1
5TG4 815	1/42		1	021	1
5TG4 816-1	5/46		1	021	1
5TG4 817-1	5/46		1	021	1
5TG4 818-1	5/46		1	021	1
5TG4 820	1/41		1	021	1
5TG4 821	1/41		1	021	1
5TG4 822	1/41		1	021	1
5TG4 823	1/42		1	021	1
5TG4 824	1/41		1	021	1
5TG6					
5TG6 000	8/8		1	021	1/5
5TG6 002	8/8		1	021	1/5
5TG6 004	8/9		1	021	1/5
5TG6 006	8/9		1	021	1/5
5TG6 007	8/9		1	021	1/5
5TG6 008	8/10		1	021	1/5
5TG6 013	8/11		1	021	1/5
5TG6 015	8/8		1	021	1/5
5TG6 017	8/8		1	021	1/5
5TG6 018	8/9		1	021	1/5
5TG6 020	8/9		1	021	1/5
5TG6 021	8/11		1	021	1/5
5TG6 022	8/11		1	021	1/5
5TG6 023	8/9		1	021	1/5
5TG6 024	8/10		1	021	1/5
5TG6 026	8/11		1	021	1/5
5TG6 027	8/11		1	021	1/5
5TG6 060	8/8		1	021	1/5
5TG6 062	8/8		1	021	1/5
5TG6 064	8/9		1	021	1/5
5TG6 066	8/9		1	021	1/5
5TG6 067	8/9		1	021	1/5
5TG6 068	8/10		1	021	1/5
5TG6 073	8/11		1	021	1/5
5TG6 075	8/8		1	021	1/5
5TG6 077	8/8		1	021	1/5
5TG6 078	8/9		1	021	1/5
5TG6 080	8/9		1	021	1/5
5TG6 081	8/11		1	021	1/5
5TG6 082	8/11		1	021	1/5
5TG6 083	8/9		1	021	1/5
5TG6 084	8/10		1	021	1/5

Appendix

Order number index

Order No.	Page	Price 1 unit	PU Unit	PG	PS*/ P. unit Unit(s)
5TG6 086	8/11		1	021	1/5
5TG6 087	8/11		1	021	1/5
5TG6 200	1/7		1	021	1/10
5TG6 201	1/7		1	021	1/10
5TG6 202	1/8		1	021	1/10
5TG6 204	1/9		1	021	1/10
5TG6 205	1/9		1	021	1/10
5TG6 206	1/11		1	021	1/10
5TG6 207	1/11		1	021	1/10
5TG6 208	1/11		1	021	1/10
5TG6 210	1/10		1	021	1/10
5TG6 211	1/8		1	021	1/10
5TG6 212	1/9, 1/13		1	021	1/10
5TG6 213	1/10		1	021	1/10
5TG6 214	1/13		1	021	1/10
5TG6 215	1/11		1	021	1/10
5TG6 216	1/9		1	021	1/10
5TG6 217	1/12		1	021	1/10
5TG6 218	1/8		1	021	1/10
5TG6 220	1/7		1	021	1/10
5TG6 221	1/7		1	021	1/10
5TG6 222	1/8		1	021	1/10
5TG6 224	1/9		1	021	1/10
5TG6 225	1/9		1	021	1/10
5TG6 226	1/11		1	021	1/10
5TG6 227	1/11		1	021	1/10
5TG6 228	1/11		1	021	1/10
5TG6 230	1/10		1	021	1/10
5TG6 231	1/8		1	021	1/10
5TG6 232	1/9, 1/13		1	021	1/10
5TG6 233	1/10		1	021	1/10
5TG6 234	1/13		1	021	1/10
5TG6 236	1/9		1	021	1/10
5TG6 238	1/8		1	021	1/10
5TG6 240	1/7		1	021	1/10
5TG6 241	1/7		1	021	1/10
5TG6 242	1/8		1	021	1/10
5TG6 244	1/9		1	021	1/10
5TG6 245	1/9		1	021	1/10
5TG6 246	1/11		1	021	1/10
5TG6 247	1/11		1	021	1/10
5TG6 248	1/11		1	021	1/10
5TG6 250	1/10		1	021	1/10
5TG6 251	1/8		1	021	1/10
5TG6 252	1/9, 1/13		1	021	1/10
5TG6 253	1/10		1	021	1/10
5TG6 254	1/13		1	021	1/10
5TG6 256	1/9		1	021	1/10
5TG6 258	1/8		1	021	1/10
5TG6 260	1/40		1	021	1/10
5TG6 261	1/40		1	021	1/10
5TG6 265	1/40		1	021	1/10
5TG6 266	1/40		1	021	1/10

Order No.	Page	Price 1 unit	PU Unit	PG	PS*/ P. unit Unit(s)
5TG6 270	1/7		1	021	1/10
5TG6 271	1/7		1	021	1/10
5TG6 272	1/8		1	021	1/10
5TG6 274	1/9		1	021	1/10
5TG6 275	1/9		1	021	1/10
5TG6 276	1/11		1	021	1/10
5TG6 277	1/11		1	021	1/10
5TG6 278	1/11		1	021	1/10
5TG6 280	1/10		1	021	1/10
5TG6 281	1/8		1	021	1/10
5TG6 282	1/9, 1/13		1	021	1/10
5TG6 283	1/10		1	021	1/10
5TG6 284	1/13		1	021	1/10
5TG6 285	1/11		1	021	1/10
5TG6 286	1/9		1	021	1/10
5TG6 287	1/12		1	021	1/10
5TG6 288	1/8		1	021	1/10
5TG6 290	1/40		1	021	1/10
5TG6 291	1/40		1	021	1/10
5TG6 295	1/40		1	021	1/10
5TG6 296	1/40		1	021	1/10
5TG7					
5TG7 100	6/8		1	021	1/10
5TG7 105	6/9		1	021	1/10
5TG7 106	6/10		1	021	1/10
5TG7 107	6/10		1	021	1/10
5TG7 110	6/8		1	021	1/10
5TG7 116	6/10		1	021	1/10
5TG7 117	6/11		1	021	1/10
5TG7 118	6/11		1	021	1/10
5TG7 120	6/11		1	021	1/10
5TG7 123	6/13		1	021	1/10
5TG7 124	6/12		1	021	1/10
5TG7 127	6/12		1	021	1/10
5TG7 128	6/12		1	021	1/10
5TG7 140	6/8		1	021	1/10
5TG7 141	6/8		1	021	1/10
5TG7 142	6/10		1	021	1/10
5TG7 143	6/13		1	021	1/10
5TG7 144	6/12		1	021	1/10
5TG7 145	6/10		1	021	1/10
5TG7 146	6/12		1	021	1/10
5TG7 148	6/12		1	021	1/10
5TG7 154	6/11		1	021	1/10
5TG7 155	6/9		1	021	1/10
5TG7 156	6/10		1	021	1/10
5TG7 157	6/11		1	021	1/10
5TG7 158	6/11		1	021	1/10
5TG7 160	6/8		1	021	1/10
5TG7 161	6/8		1	021	1/10
5TG7 162	6/10		1	021	1/10
5TG7 163	6/13		1	021	1/10
5TG7 164	6/12		1	021	1/10

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Order No.	Page	Price 1 unit	PU Unit	PG	PS*/ P. unit Unit(s)
5TG7 165	6/10		1	021	1/10
5TG7 166	6/12		1	021	1/10
5TG7 168	6/12		1	021	1/10
5TG7 174	6/11		1	021	1/10
5TG7 175	6/9		1	021	1/10
5TG7 176	6/10		1	021	1/10
5TG7 177	6/11		1	021	1/10
5TG7 178	6/11		1	021	1/10
5TG7 180	6/8		1	021	1/10
5TG7 181	6/8		1	021	1/10
5TG7 182	6/10		1	021	1/10
5TG7 183	6/13		1	021	1/10
5TG7 184	6/12		1	021	1/10
5TG7 185	6/10		1	021	1/10
5TG7 186	6/12		1	021	1/10
5TG7 188	6/12		1	021	1/10
5TG7 194	6/11		1	021	1/10
5TG7 195	6/9		1	021	1/10
5TG7 196	6/10		1	021	1/10
5TG7 197	6/11		1	021	1/10
5TG7 198	6/11		1	021	1/10
5TG7 301	1/45, 11/18		1	021	1/10
5TG7 304	1/20, 1/45, 5/22, 5/49, 6/17, 6/39, 8/25		1	021	1/10
5TG7 313	1/46, 5/49, 6/39, 8/26, 11/17, 12/17		1	021	1/10
5TG7 314	1/46, 5/49, 6/39, 8/26, 11/17, 12/17		1	021	1/10
5TG7 321	1/46, 5/49, 6/39, 8/26, 11/17, 12/17		1	021	1/10
5TG7 332	1/46, 5/49, 6/39, 8/26, 11/17, 12/17		1	021	1/10
5TG7 342	1/46, 5/49, 6/39, 8/26, 11/17, 12/17		1	021	1/10
5TG7 640	7/8		1	021	1/5
5TG7 641	7/8		1	021	1/5
5TG7 644	7/10		1	021	1/5
5TG7 645	7/9		1	021	1/5
5TG7 650	7/8		1	021	1/5
5TG7 651	7/8		1	021	1/5
5TG7 654	7/10		1	021	1/5
5TG7 655	7/9		1	021	1/5
5TG7 672	7/8		1	021	1/5
5TG7 673	7/8		1	021	1/5
5TG7 674	7/9		1	021	1/5
5TG7 677	7/10		1	021	1/5
5TG7 680	7/8		1	021	1/5
5TG7 681	7/8		1	021	1/5
5TG7 684	7/10		1	021	1/5
5TG7 685	7/9		1	021	1/5
5TG7 686	7/8		1	021	1/5
5TG7 687	7/8		1	021	1/5
5TG7 688	7/9		1	021	1/5
5TG7 690	7/10		1	021	1/5
5TG7 691	7/8		1	021	1/5
5TG7 692	7/8		1	021	1/5

* You can order this quantity or a multiple thereof.

Order No.	Page	Price 1 unit	PU Unit	PG	PS*/ P. unit Unit(s)
5TG7 693	7/9		1	021	1/5
5TG7 694	7/10		1	021	1/5
5TG7 800	5/11		1	021	1/10
5TG7 801	5/11		1	021	1/10
5TG7 802	5/13		1	021	1/10
5TG7 804	5/15		1	021	1/10
5TG7 805	5/13		1	021	1/10
5TG7 806	5/15		1	021	1/10
5TG7 807	5/15		1	021	1/10
5TG7 808	5/15		1	021	1/10
5TG7 811	5/13		1	021	1/10
5TG7 812	5/13		1	021	1/10
5TG7 813	5/16		1	021	1/10
5TG7 814	5/16		1	021	1/10
5TG7 815	5/12		1	021	1/10
5TG7 816	5/12		1	021	1/10
5TG7 817	5/14		1	021	1/10
5TG7 818	5/14		1	021	1/10
5TG7 820	5/11		1	021	1/10
5TG7 821	5/11		1	021	1/10
5TG7 822	5/13		1	021	1/10
5TG7 825	5/13		1	021	1/10
5TG7 826	5/15		1	021	1/10
5TG7 827	5/15		1	021	1/10
5TG7 828	5/15		1	021	1/10
5TG7 831	5/13		1	021	1/10
5TG7 832	5/13		1	021	1/10
5TG7 833	5/16		1	021	1/10
5TG7 834	5/16		1	021	1/10
5TG7 835	5/12		1	021	1/10
5TG7 836	5/12		1	021	1/10
5TG7 837	5/14		1	021	1/10
5TG7 838	5/14		1	021	1/10
5TG7 840	5/11		1	021	1/10
5TG7 841	5/11		1	021	1/10
5TG7 842	5/13		1	021	1/10
5TG7 845	5/13		1	021	1/10
5TG7 846	5/15		1	021	1/10
5TG7 847	5/15		1	021	1/10
5TG7 848	5/15		1	021	1/10
5TG7 851	5/13		1	021	1/10
5TG7 852	5/13		1	021	1/10
5TG7 853	5/16		1	021	1/10
5TG7 854	5/16		1	021	1/10
5TG7 855	5/12		1	021	1/10
5TG7 856	5/12		1	021	1/10
5TG7 857	5/14		1	021	1/10
5TG7 858	5/14		1	021	1/10
5TG7 860-1	5/11		1	021	1/10
5TG7 861-1	5/11		1	021	1/10
5TG7 865-1	5/13		1	021	1/10
5TG7 866-1	5/15		1	021	1/10
5TG7 867-1	5/15		1	021	1/10

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Order No.	Page	Price 1 unit	PU Unit	PG	PS*/ P. unit Unit(s)
5TG7 874-1	5/16		1	021	1/10
5TG7 876-1	5/12		1	021	1/10
5TG7 880-1	5/11		1	021	1/10
5TG7 881-1	5/11		1	021	1/10
5TG7 885-1	5/13		1	021	1/10
5TG7 886-1	5/15		1	021	1/10
5TG7 887-1	5/15		1	021	1/10
5TG7 894-1	5/16		1	021	1/10
5TG7 896-1	5/12		1	021	1/10
5TG7 900-1	5/11		1	021	1/10
5TG7 901-1	5/11		1	021	1/10
5TG7 905-1	5/13		1	021	1/10
5TG7 906-1	5/15		1	021	1/10
5TG7 907-1	5/15		1	021	1/10
5TG7 914-1	5/16		1	021	1/10
5TG7 916-1	5/12		1	021	1/10
5TG7 920	5/11		1	021	1/10
5TG7 921	5/11		1	021	1/10
5TG7 922	5/13		1	021	1/10
5TG7 925	5/13		1	021	1/10
5TG7 926	5/15		1	021	1/10
5TG7 927	5/15		1	021	1/10
5TG7 928	5/15		1	021	1/10
5TG7 933	5/16		1	021	1/10
5TG7 934	5/16		1	021	1/10
5TG7 935	5/12		1	021	1/10
5TG7 936	5/12		1	021	1/10
5TG7 937	5/14		1	021	1/10
5TG7 938	5/14		1	021	1/10
5TG7 960	5/16		1	021	1/10
5TG7 961	5/16		1	021	1/10
5TG7 962	5/14		1	021	1/10
5TG7 964	5/16		1	021	1/10
5TG7 965	5/16		1	021	1/10
5TG7 966	5/14		1	021	1/10
5TG7 968	5/16		1	021	1/10
5TG7 970	5/16		1	021	1/10
5TG7 971	5/14		1	021	1/10
5TG7 986	5/16		1	021	1/10
5TG7 987	5/16		1	021	1/10
5TG7 988	5/14		1	021	1/10
5TG8					
5TG8 302	1/45, 5/48, 6/38, 7/15, 8/25		1	024	1/10
5TG8 305	1/45, 5/48, 6/38, 7/15, 8/25		1	024	1/10
5TG8 330	1/45, 5/48, 6/38, 7/15, 8/25		1	024	1/10
5TG8 353	1/27		1	024	1/10
5TG8 354	1/27		1	024	1/10
5TG8 356	5/28		1	024	1/10
5TG8 357	5/28		1	024	1/10
5TG8 358	5/28		1	024	1/10
5TG8 384-1	5/28		1	024	1/10

Order No.	Page	Price 1 unit	PU Unit	PG	PS*/ P. unit Unit(s)
5TG8 386-1	5/28		1	024	1/10
5TG8 388-1	5/28		1	024	1/10
5TG8 391	5/28		1	024	1/10
5TG8 501	8/15		1	024	1/5
5TG8 511	6/20		1	024	1/10
5TG8 513	6/20		1	024	1/10
5TG8 521	1/27		1	024	1/10
5TG8 523	1/27		1	024	1/10
5TG9					
5TG9 874-1TW	9/6, 16/11		1	021	1/60
5TG9 874-2TW	9/6, 16/11		1	021	1/60
5TG9 875-8TW	9/7		1	021	1
5TT1					
5TT1 011	1/42		1	027	1
5TT1 012	1/42		1	027	1
5TT1 200	1/9, 5/13, 6/9, 12/6		1	027	1
5TT1 201	11/10		1	027	1
5TT1 210	1/8, 5/13, 6/9, 12/6		1	027	1
5TT1 211	12/6		1	027	1
5UA6					
5UA6 110	1/24		1	021	1
5UA6 701	1/24, 5/24		1	021	1
5UB1					
5UB1 303	1/25		1	021	1/10
5UB1 307	1/25		1	021	1/10
5UB1 311	5/26		1	021	1/10
5UB1 312	5/26		1	021	1/10
5UB1 313	5/26		1	021	1/10
5UB1 315	5/26		1	021	1/10
5UB1 316	5/26		1	021	1/10
5UB1 348	1/25		1	021	1/10
5UB1 350	1/25		1	021	1/10
5UB1 367	6/19		1	021	1/10
5UB1 368	6/19		1	021	1/10
5UB1 370	6/19		1	021	1/10
5UB1 371	6/19		1	021	1/10
5UB1 403	5/21		1	021	1/10
5UB1 404	5/23		1	021	1/10
5UB1 405	5/23		1	021	1/10
5UB1 407	5/22		1	021	1/10
5UB1 408	5/26		1	021	1/10
5UB1 413	5/21		1	021	1/10
5UB1 414	5/23		1	021	1/10
5UB1 415	5/23		1	021	1/10
5UB1 418	5/26		1	021	1/10
5UB1 423	5/21		1	021	1/10
5UB1 424	5/23		1	021	1/10
5UB1 425	5/23		1	021	1/10
5UB1 427	5/22		1	021	1/10
5UB1 428	5/26		1	021	1/10
5UB1 430-1	5/23		1	021	1
5UB1 433-1	5/21		1	021	1/10
5UB1 434-1	5/23		1	021	1/10

* You can order this quantity or a multiple thereof.

Order number index

Order No.	Page	Price 1 unit	PU Unit	PG	PS*/ P. unit Unit(s)
5UB1 435-1	5/23		1	021	1/10
5UB1 440-1	5/23		1	021	1
5UB1 443-1	5/21		1	021	1/10
5UB1 444-1	5/23		1	021	1/10
5UB1 445-1	5/23		1	021	1/10
5UB1 450-1	5/23		1	021	1
5UB1 453-1	5/21		1	021	1/10
5UB1 454-1	5/23		1	021	1/10
5UB1 455-1	5/23		1	021	1/10
5UB1 460	5/23		1	021	1
5UB1 463	5/21		1	021	1/10
5UB1 464	5/23		1	021	1/10
5UB1 465	5/23		1	021	1/10
5UB1 467	5/21		1	021	1/10
5UB1 468	5/23		1	021	1/10
5UB1 472	5/22		1	021	1/10
5UB1 473	5/22		1	021	1/10
5UB1 474	5/22		1	021	1/10
5UB1 475	5/22		1	021	1/10
5UB1 476	5/22		1	021	1/10
5UB1 480	5/21		1	021	1/10
5UB1 481	5/21		1	021	1/10
5UB1 482	5/21		1	021	1/10
5UB1 483	5/21		1	021	1/10
5UB1 484	5/21		1	021	1/10
5UB1 485	5/21		1	021	1/10
5UB1 486	5/23		1	021	1
5UB1 487	5/23		1	021	1
5UB1 488	5/23		1	021	1
5UB1 511	1/19		1	021	1/10
5UB1 512	1/19		1	021	1/10
5UB1 513	1/19		1	021	1/10
5UB1 515	1/20		1	021	1/10
5UB1 518	1/19		1	021	1/10
5UB1 536	1/20		1	021	1/10
5UB1 537	1/20		1	021	1/10
5UB1 538	1/20		1	021	1/10
5UB1 551	1/19		1	021	1/10
5UB1 555	1/20		1	021	1/10
5UB1 558	1/19		1	021	1/10
5UB1 560	1/20		1	021	1/10
5UB1 561	1/20		1	021	1/10
5UB1 562	1/20		1	021	1/10
5UB1 563	1/20		1	021	1/10
5UB1 564	1/21		1	021	1
5UB1 565	1/21		1	021	1
5UB1 580	1/23, 2/10		1	021	1/10
5UB1 581	1/23, 2/10		1	021	1/10
5UB1 582	1/23, 2/10		1	021	1/10
5UB1 583	1/23, 2/10		1	021	1/10
5UB1 613	7/11		1	021	1/5
5UB1 614	7/11		1	021	1/5
5UB1 615	7/11		1	021	1/5

Order No.	Page	Price 1 unit	PU Unit	PG	PS*/ P. unit Unit(s)
5UB1 630	7/11		1	021	1/5
5UB1 631	7/11		1	021	1/5
5UB1 638	7/11		1	021	1/5
5UB1 640	7/11		1	021	1/5
5UB1 641	7/11		1	021	1/5
5UB1 648	7/11		1	021	1/5
5UB1 650	7/11		1	021	1/5
5UB1 651	7/11		1	021	1/5
5UB1 658	7/11		1	021	1/5
5UB1 663	7/11		1	021	1/5
5UB1 664	7/11		1	021	1/5
5UB1 665	7/11		1	021	1/5
5UB1 673	7/11		1	021	1/5
5UB1 674	7/11		1	021	1/5
5UB1 675	7/11		1	021	1/5
5UB1 800	8/14		1	021	1/5
5UB1 801	8/14		1	021	1/5
5UB1 802	8/14		1	021	1/5
5UB1 803	8/14		1	021	1/5
5UB1 804	8/14		1	021	1/5
5UB1 850	6/17		1	021	1/10
5UB1 851	6/17		1	021	1/10
5UB1 852	6/18		1	021	1/10
5UB1 853	6/17		1	021	1/10
5UB1 854	6/17		1	021	1/10
5UB1 855	6/18		1	021	1/10
5UB1 856	6/17		1	021	1/10
5UB1 857	6/17		1	021	1/10
5UB1 858	6/18		1	021	1
5UB1 862	6/18		1	021	1/10
5UB1 863	6/17		1	021	1/10
5UB1 864	6/17		1	021	1/10
5UB1 865	6/18		1	021	1/10
5UB1 867	6/17		1	021	1/10
5UB1 868	6/18		1	021	1
5UB1 902	1/22		1	021	1/10
5UB1 905	1/22		1	021	1
5UB1 906	1/23		1	021	1
5UB1 907	1/22		1	021	1/10
5UB1 908	1/25		1	021	1/10
5UB1 910	1/19		1	021	1/10
5UB1 911	1/20		1	021	1/10
5UB1 912	1/22		1	021	1/10
5UB1 913	1/22		1	021	1/10
5UB1 914	1/22		1	021	1/10
5UB1 915	1/22		1	021	1
5UB1 916	1/23		1	021	1
5UB1 917	1/22		1	021	1/10
5UB1 918	1/25		1	021	1/10
5UB1 920	1/22		1	021	1
5UB1 921	1/19		1	021	1/10
5UB1 922	1/22		1	021	1/10
5UB1 923	1/20		1	021	1/10

* You can order this quantity or a multiple thereof.

Appendix

Order number index

Order No.	Page	Price 1 unit	PU Unit	PG	PS*/ P. unit Unit(s)
5UB1 924	1/19		1	021	1/10
5UB1 925	1/20		1	021	1/10
5UB1 926	1/21		1	021	1
5UB1 927	1/22		1	021	1/10
5UB1 928	1/25		1	021	1/10
5UB1 930	1/22		1	021	1
5UB1 931	1/19		1	021	1/10
5UB1 932	1/22		1	021	1/10
5UB1 933	1/20		1	021	1/10
5UB1 934	1/19		1	021	1/10
5UB1 935	1/20		1	021	1/10
5UB1 936	1/21		1	021	1
5UB1 937	1/22		1	021	1/10
5UB1 938	1/25		1	021	1/10
5UB2					
5UB2 201	1/22		1	021	1/10
5UB2 202	1/22		1	021	1/10
5UB2 205-5A	1/22		1	021	1
5UB2 206-5A	1/22		1	021	1
5UB2 208-5A	1/25		1	021	1
5UB2 210-5A	1/25, 5/26		1	021	1
5UB2 510	10/7		1	021	1/5
5UB3					
5UB3 206	10/8		1	021	1/5
5UB3 251	10/7		1	021	1/10
5UB3 252	10/7		1	021	1/10
5UB3 254	10/7		1	021	1/10
5UB3 510	10/8		1	021	1/5
5UB4					
5UB4 650	1/23, 5/25		1	021	1
5UB4 686	11/19		1	021	1
5UB4 711	11/14		1	021	1/10
5UB4 713	11/14		1	021	1/10
5UB4 714	11/15		1	021	1
5UB4 722	11/14		1	021	1/5
5UB4 723	11/14		1	021	1/5
5UB4 731	11/14		1	021	1
5UB4 741	11/15		1	021	1/10
5UB6					
5UB6 207	5/24		1	021	1
5UH1					
5UH1 081	1/23		1	021	1/10
5UH1 084	1/44, 5/48, 6/38		1	021	1
5UH1 085	1/44, 5/48, 6/38		1	021	1
5UH1 086	1/44, 5/48, 6/38		1	021	1
5UH1 111	1/24, 5/24		1	021	1
5UH1 112	1/24, 5/24		1	021	1/10
5UH1 150	11/19		1	021	1/5
5UH1 151	11/19		1	021	1/5
5UH1 204	1/23		1	021	1/10
5UH1 205	1/23		1	021	1/10
5UH1 213	1/23		1	021	1/10

Order No.	Page	Price 1 unit	PU Unit	PG	PS*/ P. unit Unit(s)
5UH1 300	1/21, 1/45, 5/23, 5/49, 6/18, 6/39, 8/26		1	021	1
5UH1 310	1/21		1 set	021	1 set/ 5 sets
5UH1 311	1/21		1 set	021	1 set/ 5 sets
5UH1 320	5/22		1 set	021	1 set/ 5 sets
5UH1 321	5/22		1 set	021	1 set/ 5 sets
5UH1 340	1/21		1 set	021	1 set
5UH1 341	1/21		1 set	021	1 set
5UH1 350	5/23		1 set	021	1 set
5UH1 355	5/23		1 set	021	1 set
5UH1 356	5/23		1 set	021	1 set
5WG1					
5WG1 110-2AB03	1/32, 1/33, 1/34, 5/34, 5/35, 5/36, 5/37, 5/38, 5/39, 5/40, 6/25, 6/26, 6/28, 6/29, 6/30, 8/19, 8/20, 8/21, 19/2		1	030	1
5WG1 110-2AB11	1/32, 1/33, 1/34, 5/34, 5/35, 5/36, 5/37, 5/38, 5/39, 5/40, 6/25, 6/26, 6/28, 6/29, 6/30, 8/19, 8/20, 8/21, 19/2		1	030	1
5WG1 114-2AB02	1/33, 5/34, 5/35, 5/36, 5/37, 5/39, 5/40, 6/26, 6/27, 6/28, 6/29, 8/21, 19/3		1	030	1
5WG1 115-3AB01	11/13		1	030	1
5WG1 115-3AB11	11/13		1	030	1
5WG1 115-3AB21	11/13		1	030	1
5WG1 115-3AB31	11/13		1	030	1
5WG1 116-2AB01	1/7, 1/8, 1/10, 5/11, 5/12, 5/13, 5/16, 6/8, 6/9, 6/10, 7/8, 8/8, 8/11, 19/2		1	030	1
5WG1 116-2AB11	1/9, 1/10, 1/13, 5/13, 5/14, 5/16, 6/10, 6/11, 7/9, 7/10, 8/9, 8/11, 19/2		1	030	1
5WG1 116-2AB21	1/7, 1/8, 1/9, 1/10, 1/11, 1/12, 5/11, 5/12, 5/13, 5/15, 6/8, 6/9, 6/10, 6/12, 7/8, 8/8, 19/2		1	030	1
5WG1 116-2AB31	1/9, 1/10, 1/13, 5/13, 5/14, 5/16, 6/10, 6/11, 6/13, 7/9, 7/10, 8/9, 19/2		1	030	1
5WG1 142-2AB01	8/20		1	030	1
5WG1 142-2EB01	8/21		1	030	1
5WG1 146-2AB01	5/39		1	030	1
5WG1 146-2AB11	5/39, 6/28		1	030	1
5WG1 146-2AB21	5/39		1	030	1
5WG1 146-2AB71	5/39		1	030	1
5WG1 146-2EB01	5/39		1	030	1
5WG1 146-2EB11	5/39, 6/28		1	030	1
5WG1 146-2EB21	5/39		1	030	1
5WG1 146-2EB71	5/39		1	030	1
5WG1 221-2AB01	1/32		1	030	1
5WG1 221-2AB11	1/32		1	030	1
5WG1 221-2AB21	1/32		1	030	1

* You can order this quantity or a multiple thereof.

Order number index

Order No.	Page	Price 1 unit	PU Unit	PG	PS*/ P. unit Unit(s)
5WG1 221-2AB31	1/32		1	030	1
5WG1 222-2AB01	1/32		1	030	1
5WG1 222-2AB11	1/32		1	030	1
5WG1 222-2AB21	1/32		1	030	1
5WG1 222-2AB31	1/32		1	030	1
5WG1 223-2AB01	1/33		1	030	1
5WG1 223-2AB11	1/33		1	030	1
5WG1 223-2AB21	1/33		1	030	1
5WG1 223-2AB31	1/33		1	030	1
5WG1 230-2AB02	5/37		1	030	1
5WG1 230-2AB12	5/37		1	030	1
5WG1 230-2AB22	5/37		1	030	1
5WG1 230-2AB72	5/37		1	030	1
5WG1 230-2EB12	6/26				
5WG1 230-2EB22	6/26				
5WG1 231-2AB02	5/37				
5WG1 231-2AB03	5/37		1	030	1
5WG1 231-2AB12	5/37		1	030	1
5WG1 231-2AB13	5/37		1	030	1
5WG1 231-2AB22	5/37		1	030	1
5WG1 231-2AB23	5/37		1	030	1
5WG1 231-2AB72	5/37				
5WG1 231-2AB73	5/37		1	030	1
5WG1 231-2EB13	6/27		1	030	1
5WG1 231-2EB23	6/27		1	030	1
5WG1 233-2AB01	5/34		1	030	1
5WG1 233-2AB11	5/34		1	030	1
5WG1 233-2AB21	5/34		1	030	1
5WG1 233-2AB71	5/34		1	030	1
5WG1 234-2AB01	5/35		1	030	1
5WG1 234-2AB11	5/35		1	030	1
5WG1 234-2AB21	5/35		1	030	1
5WG1 234-2AB71	5/35		1	030	1
5WG1 235-2AB01	5/36		1	030	1
5WG1 235-2AB11	5/36		1	030	1
5WG1 235-2AB21	5/36		1	030	1
5WG1 235-2AB71	5/36		1	030	1
5WG1 237-2AB11	1/33		1	030	1
5WG1 237-2AB21	1/33		1	030	1
5WG1 237-2AB31	1/33		1	030	1
5WG1 241-2AB01	5/34		1	030	1
5WG1 241-2AB11	5/34		1	030	1
5WG1 241-2AB21	5/34		1	030	1
5WG1 241-2AB71	5/34		1	030	1
5WG1 242-2AB01	5/35		1	030	1
5WG1 242-2AB11	5/35		1	030	1
5WG1 242-2AB21	5/35		1	030	1
5WG1 242-2AB71	5/35		1	030	1
5WG1 243-2AB01	5/35		1	030	1
5WG1 243-2AB11	5/35		1	030	1
5WG1 243-2AB21	5/35		1	030	1
5WG1 243-2AB71	5/35		1	030	1
5WG1 244-2AB01	5/36		1	030	1

Order No.	Page	Price 1 unit	PU Unit	PG	PS*/ P. unit Unit(s)
5WG1 244-2AB11	5/36		1	030	1
5WG1 244-2AB21	5/36		1	030	1
5WG1 244-2AB71	5/36		1	030	1
5WG1 245-2AB01	5/36		1	030	1
5WG1 245-2AB11	5/36		1	030	1
5WG1 245-2AB21	5/36		1	030	1
5WG1 245-2AB71	5/36		1	030	1
5WG1 246-2AB01	5/37		1	030	1
5WG1 246-2AB11	5/37		1	030	1
5WG1 246-2AB21	5/37		1	030	1
5WG1 246-2AB71	5/37		1	030	1
5WG1 252-2AB03	5/39		1	030	1
5WG1 252-2AB13	5/39		1	030	1
5WG1 252-2AB23	5/39		1	030	1
5WG1 252-2AB73	5/39		1	030	1
5WG1 253-2AB03	8/20		1	030	1
5WG1 254-2AB13	6/28		1	030	1
5WG1 254-2AB23	6/28		1	030	1
5WG1 255-2AB01	5/38		1	030	1
5WG1 255-2AB02	5/38		1	030	1
5WG1 255-2AB11	5/38, 6/30		1	030	1
5WG1 255-2AB12	5/38, 6/30		1	030	1
5WG1 255-2AB21	5/38		1	030	1
5WG1 255-2AB22	5/38		1	030	1
5WG1 255-2AB71	5/38		1	030	1
5WG1 255-2AB72	5/38		1	030	1
5WG1 256-2AB01	8/20		1	030	1
5WG1 256-2AB02	8/20		1	030	1
5WG1 257-2AB21	6/30		1	030	1
5WG1 257-2AB22	6/30		1	030	1
5WG1 258-2HB11	1/34		1	030	1
5WG1 258-2HB12	1/34		1	030	1
5WG1 258-2HB21	1/34		1	030	1
5WG1 258-2HB22	1/34		1	030	1
5WG1 258-2HB31	1/34		1	030	1
5WG1 258-2HB32	1/34		1	030	1
5WG1 272-2AB01	5/40		1	030	1
5WG1 272-2AB11	5/40, 6/29		1	030	1
5WG1 272-2AB21	5/40		1	030	1
5WG1 272-2AB71	5/40		1	030	1
5WG1 284-2AB01	8/19		1	030	1
5WG1 284-2AB03	8/19		1	030	1
5WG1 285-2AB01	6/25		1	030	1
5WG1 285-2AB11	6/25		1	030	1
5WG1 285-2AB21	6/25		1	030	1
5WG1 285-2AB81	6/25		1	030	1
5WG1 285-2EB01	6/26		1	030	1
5WG1 285-2EB11	6/26		1	030	1
5WG1 285-2EB21	6/26		1	030	1
5WG1 285-2EB81	6/26		1	030	1
5WG1 286-2AB01	6/25		1	030	1
5WG1 286-2AB11	6/25		1	030	1
5WG1 286-2AB21	6/25		1	030	1

* You can order this quantity or a multiple thereof.

Appendix

Order number index

Order No.	Page	Price 1 unit	PU Unit	PG	PS*/ P. unit Unit(s)
5WG1 286-2AB81	6/25		1	030	1
5WG1 286-2EB01	6/26		1	030	1
5WG1 286-2EB11	6/26		1	030	1
5WG1 286-2EB21	6/26		1	030	1
5WG1 286-2EB81	6/26		1	030	1
5WG1 287-2AB01	6/25		1	030	1
5WG1 287-2AB11	6/25		1	030	1
5WG1 287-2AB21	6/25		1	030	1
5WG1 287-2AB81	6/25		1	030	1
5WG1 287-2EB01	6/26		1	030	1
5WG1 287-2EB11	6/26		1	030	1
5WG1 287-2EB21	6/26		1	030	1
5WG1 287-2EB81	6/26		1	030	1
5WG1 294-8AB01	19/3		1	030	10
5WG1 563-2AB01	5/40		1	030	1
5WG1 563-2AB11	1/21, 5/40, 6/30, 8/21		1	030	1
5WG1 563-2AB21	5/40		1	030	1
5WG1 563-2AB71	5/40		1	030	1
5WG1 584-2AB21	6/27		1	030	1
5WG1 585-2AB01	5/38		1	030	1
5WG1 585-2AB11	5/38, 6/27		1	030	1
5WG1 585-2AB21	5/38		1	030	1
5WG1 585-2AB71	5/38		1	030	1
5WG1 586-2AB01	8/19		1	030	1
5WG3					
5WG3 110-2AB01	5/34, 5/35, 5/36, 6/25, 17/5		1	030	1
5WG3 110-2AB11	5/34, 5/35, 5/36, 6/25, 17/5		1	030	1
5WG3 140-2AB01	5/40		1	030	1
5WG3 140-2AB11	5/40		1	030	1
5WG3 140-2AB21	5/40		1	030	1
5WG3 140-2AB71	5/40		1	030	1
5WG3 140-2GB11	6/29		1	030	1
5WG3 140-2GB21	6/29		1	030	1
5WG3 140-2HB11	1/33		1	030	1
5WG3 140-2HB21	1/33		1	030	1
5WG3 140-2HB31	1/33		1	030	1
5WG3 141-2AB01	17/5		1	030	1
5WG3 210-2AB01	5/29		1	030	1
5WG3 210-2AB11	5/29		1	030	1
5WG3 210-2AB21	5/29		1	030	1
5WG3 210-2AB71	5/29		1	030	1
5WG3 210-2GB11	6/21		1	030	1
5WG3 210-2GB21	6/21		1	030	1
5WG3 210-2HB11	1/27, 1/28		1	030	1
5WG3 210-2HB21	1/27, 1/28		1	030	1
5WG3 210-2HB31	1/27, 1/28		1	030	1
5WG3 211-2AB01	5/17		1	030	1
5WG3 211-2AB11	5/17		1	030	1
5WG3 211-2AB21	5/17		1	030	1
5WG3 211-2AB71	5/17		1	030	1
5WG3 211-2GB11	6/14		1	030	1
5WG3 211-2GB21	6/14		1	030	1

Order No.	Page	Price 1 unit	PU Unit	PG	PS*/ P. unit Unit(s)
5WG3 211-2HB11	1/15		1	030	1
5WG3 211-2HB21	1/15		1	030	1
5WG3 211-2HB31	1/15		1	030	1
5WG3 255-8AB01	18/5		1	030	1
5WG3 260-3AB11	17/9		1	030	1
5WG3 260-3AB81	17/9		1	030	1
5WG3 261-3AB11	17/9		1	030	1
5WG3 425-7AB21	17/9		1	030	1
5WG3 425-7AB71	17/9		1	030	1
5WG3 560-2AB01	5/34, 5/35, 5/36, 6/25, 17/7		1	030	1
5WG3 564-7AB11	17/9		1	030	1

PU Price unit
 PG Price group
 PS Package size
 P. unit Packing unit

Terms and conditions of sale and delivery
Export regulations

Terms and conditions of sale and delivery

By using this catalog you can acquire hardware and software products described therein from Siemens AG subject to the following terms. Please note! The scope, the quality and the conditions for supplies and services, including software products, by any Siemens entity having a registered office outside of Germany, shall be subject exclusively to the General Terms and Conditions of the respective Siemens entity. The following terms apply exclusively for orders placed with Siemens AG.

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General

The dimensions are in mm. In Germany, according to the German law on units in measuring technology, data in inches only apply to devices for export.

Illustrations are not binding.

Insofar as there are no remarks on the corresponding pages, - especially with regard to data, dimensions and weights given - these are subject to change without prior notice.

The prices are in € (Euro) ex works, exclusive packaging.

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Surcharges will be added to the prices of products that contain silver, copper, aluminum, lead and/or gold if the respective basic official prices for these metals are exceeded. These surcharges will be determined based on the official price and the metal factor of the respective product.

The surcharge will be calculated on the basis of the official price on the day prior to receipt of the order or prior to the release order.

The metal factor determines the official price as of which the metal surcharges are charged and the calculation method used. The metal factor, provided it is relevant, is included with the price information of the respective products.

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- 6ZB5310-0KS53-0BA1
(for customers based outside Germany)

or download them from the Internet
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(Germany: A&D Mall Online-Help System)

Export regulations

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According to current provisions, the following export regulations must be observed with respect to the products featured in this catalog / price list:

AL	Number of the <u>German Export List</u> Products marked other than “N” require an export license. In the case of software products, the export designations of the relevant data medium must also be generally adhered to. Goods labeled with an “ <u>AL</u> ” <u>not equal to “N”</u> are subject to a European or German export authorization when being exported out of the EU.
ECCN	<u>Export Control Classification Number</u> Products marked other than “N” are subject to a reexport license to specific countries. In the case of software products, the export designations of the relevant data medium must also be generally adhered to. Goods labeled with an “ <u>ECCN</u> ” <u>not equal to “N”</u> are subject to a US re-export authorization.

Even without a label or with an “AL: N” or “ECCN: N”, authorization may be required due to the final destination and purpose for which the goods are to be used.

The deciding factors are the AL or ECCN export authorization indicated on order confirmations, delivery notes and invoices.

Errors excepted and subject to change without prior notice.

A&D/VuL_ohne MZ/En 05.09.06

Appendix

Notes



Frames and color elements (excerpt)

Selection and ordering data

DELTA line	Single	Double	Triple	Quadruple	Quintuple
Frame, 80 mm					
• Titanium white (similar to RAL 9010)	5TG2 551-0	5TG2 552-0	5TG2 553-0	5TG2 554-0	5TG2 555-0
• Electrical white (RAL 1013)	5TG2 581-0	5TG2 582-0	5TG2 583-0	5TG2 584-0	5TG2 585-0
• Aluminum metallic (similar to RAL 9006)	5TG2 551-3	5TG2 552-3	5TG2 553-3	5TG2 554-3	5TG2 555-3
• Carbon metallic (similar to RAL 7016)	5TG2 551-6	5TG2 552-6	5TG2 553-6	5TG2 554-6	5TG2 555-6
Frames, 80 mm, with labeling field					
• Horizontal					
– Titanium white (similar to RAL 9010)	5TG2 551-1	5TG2 552-1	5TG2 553-1	5TG2 554-1	–
– Electrical white (RAL 1013)	5TG2 581-1	5TG2 582-1	5TG2 583-1	5TG2 584-1	–
– Aluminum metallic (similar to RAL 9006)	5TG2 551-4	5TG2 552-4	–	–	–
– Carbon metallic (similar to RAL 7016)	5TG2 551-7	5TG2 552-7	–	–	–
• Vertical					
– Titanium white (similar to RAL 9010)	5TG2 551-1	5TG2 552-2	5TG2 553-2	5TG2 554-2	–
– Electrical white (RAL 1013)	5TG2 581-1	5TG2 582-2	5TG2 583-2	5TG2 584-2	–
– Aluminum metallic (similar to RAL 9006)	5TG2 551-4	5TG2 552-5	–	–	–
– Carbon metallic (similar to RAL 7016)	5TG2 551-7	5TG2 552-8	–	–	–

DELTA vita	Single	Double	Triple	Quadruple	Quintuple
Frame, 83 mm					
• Titanium white (similar to RAL 9010)	5TG1 141	5TG1 142	5TG1 143	5TG1 144	5TG1 145
• Aluminum metallic (similar to RAL 9006)	5TG1 161	5TG1 162	5TG1 163	5TG1 164	5TG1 165
• Carbon metallic (similar to RAL 7016)	5TG1 151	5TG1 152	5TG1 153	5TG1 154	5TG1 155
• Gold (similar to RAL 1036)	5TG1 171	5TG1 172	5TG1 173	5TG1 174	5TG1 175
Color elements					
• Titanium white (similar to RAL 9010)	5TG1 178	–	–	–	–
• Yellow (similar to RAL 1021)	5TG1 188-1	–	–	–	–
• Green (translucent)	5TG1 182	–	–	–	–
• Orange (translucent)	5TG1 183	–	–	–	–
• Red (translucent)	5TG1 184	–	–	–	–
• Blue (translucent)	5TG1 185	–	–	–	–
• Dark red (painted)	5TG1 186	–	–	–	–
• Dark blue (painted)	5TG1 187	–	–	–	–
• Platinum (galvanized, matt)	5TG1 177	–	–	–	–
• Chrome (galvanized; polished)	5TG1 181	–	–	–	–
• Gold (galvanized; polished)	5TG1 180	–	–	–	–

DELTA miro	Single	Double	Triple	Quadruple	Quintuple
Frames, 90 mm, real glass					
	5TG1 201	5TG1 202	5TG1 203	5TG1 204	5TG1 205
Frame, 90 mm, real wood					
• Maple red	5TG1 101-2	5TG1 102-2	5TG1 103-2	5TG1 104-2	–
• Maple	5TG1 101-3	5TG1 102-3	5TG1 103-3	5TG1 104-3	–
• Beech (color achieved through staining)	5TG1 101-4	5TG1 102-4	5TG1 103-4	5TG1 104-4	–
• Cherry (color achieved through staining)	5TG1 101-1	5TG1 102-1	5TG1 103-1	5TG1 104-1	–
• Wenge	5TG1 101-0	5TG1 102-0	5TG1 103-0	5TG1 104-0	–
Frame, 90 mm, plastic					
• Titanium white (similar to RAL 9010)	5TG1 111-0	5TG1 112-0	5TG1 113-0	5TG1 114-0	5TG1 115-0
• Aluminum metallic (similar to RAL 9006)	5TG1 111-1	5TG1 112-1	5TG1 113-1	5TG1 114-1	5TG1 115-1
• Carbon metallic (similar to RAL 7016)	5TG1 111-2	5TG1 112-2	5TG1 113-2	5TG1 114-2	5TG1 115-2

Frames and color elements (excerpt)

DELTA profil	Single	Double	Triple	Quadruple	Quintuple
Frame, 80 mm					
• Titanium white (similar to RAL 9010)	5TG1 811	5TG1 812	5TG1 813	5TG1 814	5TG1 815
• Pearl gray (similar to RAL 7035)	5TG1 871	5TG1 872	5TG1 873	5TG1 874	5TG1 875
• Silver (similar to RAL 9006)	5TG1 771	5TG1 772	5TG1 773	5TG1 774	5TG1 775
• Anthracite (similar to RAL 7016)	5TG1 841	5TG1 842	5TG1 843	5TG1 844	5TG1 845
• Champagne (similar to RAL 7048)	5TG1 711-1	5TG1 712-1	5TG1 713-1	5TG1 714-1	5TG1 715-1
• Bronze (similar to RAL 3012)	5TG1 751-1	5TG1 752-1	5TG1 753-1	5TG1 754-1	5TG1 755-1
• Tobacco (similar to RAL 8019) discontinued model	5TG1 731-1	5TG1 732-1	5TG1 733-1	5TG1 734-1	5TG1 735-1
Frames, 80 mm, cutout					
• With one cutout					
– Titanium white (similar to RAL 9010)	5TG1 801	5TG1 803	5TG1 804	–	–
– Pearl gray (similar to RAL 7035)	5TG1 861	5TG1 863	5TG1 864	–	–
– Silver (similar to RAL 9006)	5TG1 761	5TG1 763	5TG1 764	–	–
– Anthracite (similar to RAL 7016)	5TG1 831	5TG1 833	5TG1 834	–	–
– Champagne (similar to RAL 7048)	5TG1 701-1	–	–	–	–
– Bronze (similar to RAL 3012)	5TG1 741-1	–	–	–	–
– Tobacco (similar to RAL 8019) discontinued model	5TG1 721-1	–	–	–	–
• With two cutouts					
– Titanium white (similar to RAL 9010)	–	5TG1 802	–	–	–
– Pearl gray (similar to RAL 7035)	–	5TG1 862	–	–	–
– Anthracite (similar to RAL 7016)	–	5TG1 832	–	–	–

DELTA style	Single	Double	Triple	Quadruple	Quintuple
Frame, 82 mm					
• Titanium white (similar to RAL 9010)	5TG1 321	5TG1 322	5TG1 323	5TG1 324	5TG1 325
• Basalt black (similar to RAL 7016)	5TG1 361	5TG1 362	5TG1 363	5TG1 364	5TG1 365

DELTA natur	Single	Double	Triple	Quadruple	Quintuple
Frame, 81 mm					
• Light oak	5TG1 601	5TG1 602	5TG1 603	5TG1 604	–
• Dark oak	5TG1 611	5TG1 612	5TG1 613	5TG1 614	–
• Maple red	5TG1 621	5TG1 622	5TG1 623	5TG1 624	–
• Maple	5TG1 651	5TG1 652	5TG1 653	5TG1 654	–
• Beech (color achieved through staining)	5TG1 681	5TG1 682	5TG1 683	5TG1 684	–
• Cherry (color achieved through staining)	5TG1 671	5TG1 672	5TG1 673	5TG1 674	–

DELTA ambiente	Single	Double	Triple	Quadruple	Quintuple
Frames, 83 mm, contour					
• Arctic white (RAL 9002)	5TG1 511	5TG1 512	5TG1 513	5TG1 514	5TG1 515

All order information at a glance

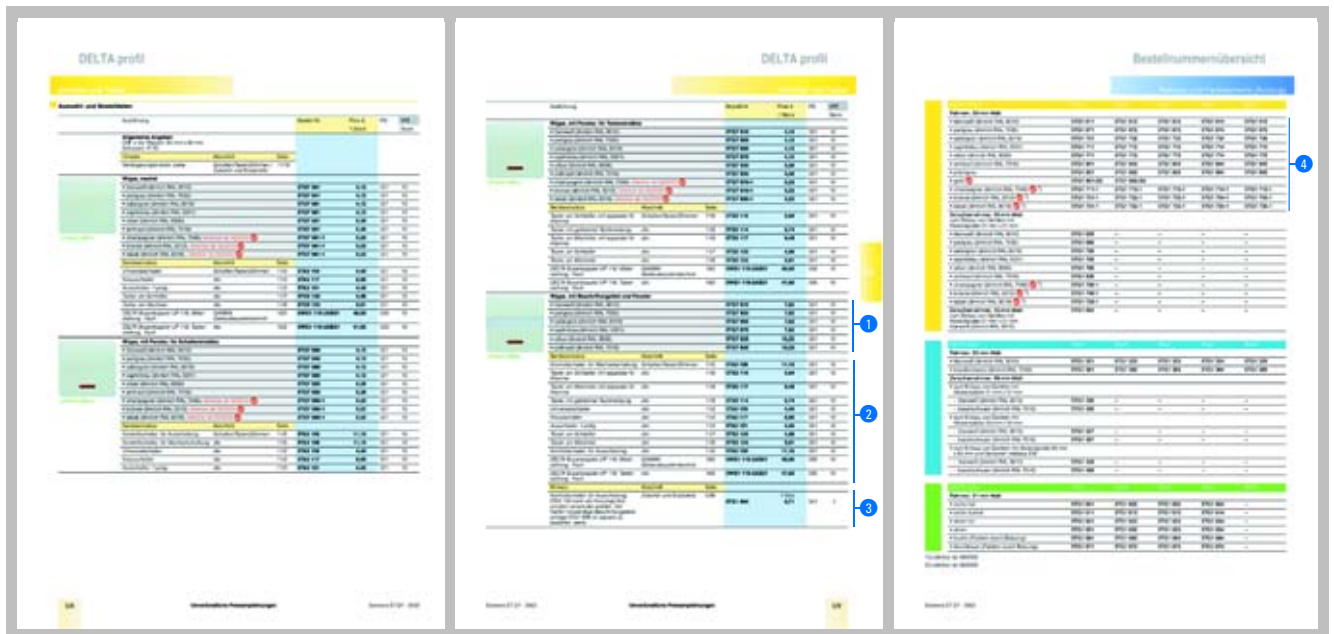
- ① Components and Cover plates
- ② Inserts, matching with ①
- ③ Accessories, matching with ① or ②
- ④ Frames, matching with ①



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All order information at a glance

- ① Components and Cover plates
- ② Inserts, matching with ①
- ③ Accessories, matching with ① or ②
- ④ Frames, matching with ①

Bestellnummernübersicht

DELTA

DELTA

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DELTA profil

DELTA profil

Bestellnummernübersicht

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Further information can be obtained from our branch offices listed
in the appendix or at www.siemens.com/automation/partner

Automation and Drives		<i>Catalog</i>
Interactive catalog on CD-ROM and on DVD		
• The Offline Mall of Automation and Drives	CA 01	
Automation Systems for Machine Tools		
SINUMERIK & SIMODRIVE	NC 60	
SINUMERIK & SINAMICS	NC 61	
Drive Systems		
<u>Variable-Speed Drives</u>		
SINAMICS G130 Drive Converter Chassis Units,	D 11	
SINAMICS G150 Drive Converter Cabinet Units		
SINAMICS G110 Inverter Chassis Units	D 11.1	
SINAMICS GM150/SINAMICS SM150	D 12	
Medium-Voltage Converter 0.6 MVA to 28 MVA		
SINAMICS S120	D 21.1	
Vector Control Drive System		
SINAMICS S120 Servo Control Drive System	D 21.2	
SINAMICS S150 Drive Converter Cabinet Units	D 21.3	
Asynchronous Motors Standardline	D 86.1	
DC Motors	DA 12	
SIMOREG DC MASTER 6RA70 Digital Chassis	DA 21.1	
Converters		
SIMOREG K 6RA22 Analog Chassis Converters	DA 21.2	
SIMOREG DC MASTER 6RM70 Digital Converter	DA 22	
Cabinet Units		
SIMOVERT PM Modular Converter Systems	DA 45	
SIEMOSYN Motors	DA 48	
MICROMASTER 410/420/430/440 Inverters	DA 51.2	
MICROMASTER 411/COMBIMASTER 411	DA 51.3	
SIMOVERT MASTERDRIVES Vector Control	DA 65.10	
SIMOVERT MASTERDRIVES Motion Control	DA 65.11	
Synchronous and asynchronous servomotors for	DA 65.3	
SIMOVERT MASTERDRIVES		
SIMODRIVE 611 universal and POSMO	DA 65.4	
<u>Low-Voltage Three-Phase-Motors</u>		
Squirrel-Cage Motors, Totally Enclosed, Fan-Cooled	M 11	
<u>Automation Systems for Machine Tools SIMODRIVE</u>		
• Main Spindle/Feed Motors	NC 60	
• Converter Systems SIMODRIVE 611/POSMO		
<u>Automation Systems for Machine Tools SINAMICS</u>		
• Main Spindle/Feed Motors	NC 61	
• Drive System SINAMICS S120		
<u>Drive and Control Components for Hoisting Equipment</u>		
	HE 1	
Electrical Installation Technology		
ALPHA Small Distribution Boards and	ETA 1	
Distribution Boards		
<i>PDF: ALPHA 8HP Molded-Plastic Distribution System</i>	ETA 3	
ALPHA FIX Terminal Blocks	ETA 5	
BETA Modular Installation Devices	ET B1	
DELTA Switches and Socket Outlets	ET D1	
GAMMA Building Management Systems	ET G1	
Human Machine Interface Systems SIMATIC HMI		
	ST 80	
Industrial Communication for Automation and Drives		<i>Catalog</i> IK PI
Low-Voltage		
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Controls and Distribution –	LV 1 T	
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SIVENT Fans	LV 65	
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Field Instruments for Process Automation	FI 01	
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Differential Pressure, Flow, Level and Temperature,		
Positioners and Liquid Meters		
<i>PDF: Indicators for panel mounting</i>	MP 12	
SIREC Recorders and Accessories	MP 20	
SIPART, Controllers and Software	MP 31	
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Continuous Weighing and Process Protection	WT 02	
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<i>PDF: Process Analytics,</i>	PA 11	
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SIMATIC PCS Process Control System	ST 45	
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interactive catalog CA 01		
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