

SIEMENS



DELTA

Switches and Socket Outlets

Catalog
ET D1

Version
2018/19

[siemens.com/delta](https://www.siemens.com/delta)

Related catalogs

Low-Voltage Power Distribution and Electrical Installation Technology

LV 10

SENTRON • SIVACON • ALPHA
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Devices, Switchboards and Distribution Systems
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Technical Support



Expert advice on technical questions with a wide range of demand-optimized services for all our products and systems.

www.siemens.com/lowvoltage/technical-support

Switches and Socket Outlets

DELTA



Catalog ET D1 · 2018/2019

Supersedes
Catalog ET D1 · 2016

Refer to the Industry Mall for current updates of this catalog:
www.siemens.com/industrymall

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The products and systems listed in this catalog are developed and manufactured using a certified quality management system in accordance with EN ISO 9001:2008.

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Planning Efficiency

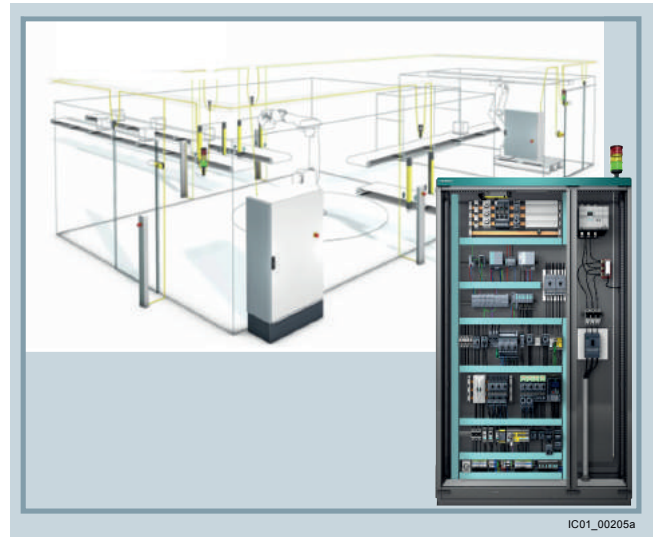
Overview

With Planning Efficiency, Siemens supplies answers to typical questions that often present themselves in electrical planning:

- What is the appropriate product for my application?
- Where can I find product data?
- How can I make processes more efficient and save more time?

The entire electronic support offered by Siemens is merged under Planning Efficiency. At each phase of the project, online functions make the everyday work of the planners easier and more efficient. Planning Efficiency focuses on optimizing the control cabinet configuration among other things.

Especially in this early phase, up to 80 % of time and costs can be saved.



In order to supply the planners with all they need and to simplify the modern electrical planning of every aspect of the control cabinet configuration, the electrical support of Planning Efficiency focuses on four benefits:

- Finding the right product faster using intuitive product selection
- Time savings of up to 80 % with universal product data for your CAE and CAD systems
- User-friendly compilation of project-specific documentation
- Comprehensive support – at any time, whatever your location



Process phases

At each phase of the process, Siemens provides comprehensive online functions free of charge. This ensures that all the necessary information and product

data are available around the clock at any location worldwide.



Configurators for products and systems

With just a few mouse clicks, you will find yourself guided by the configurator to a suitable product or system. Simply enter the relevant parameters and select your individual solution.

CAX Download Manager

The CAX Download Manager can supply you with all the necessary CAX file types for the products of your choice for use in all common CAE and CAD systems. The data contained in the files is continuously updated. The whole process involves only four selection steps and is free of charge. All the files you select will then be compiled into a zip file and made available for you to download for further use. This results in a time saving of up to 80 % because there is no need for manual data collection thanks to the universal manufacturer data for all commonly used CAE and CAD systems.

My Documentation Manager

To provide support when creating the plant documentation, we have developed a manual configurator. My Documentation Manager enables you to assemble the standard-compliant plant documentation individually with just a few clicks of the mouse. Simply select the required sections from the existing manuals of the installed Siemens products.

EPLAN Electric P8 Macro – a big plus for EPLAN users

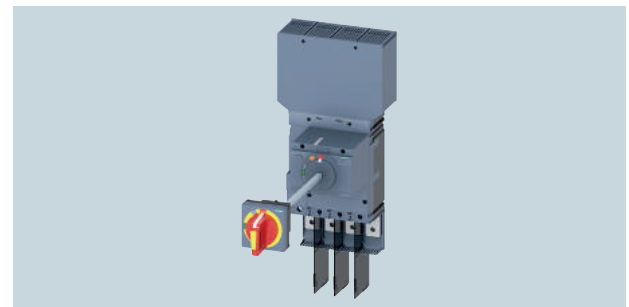
Using the EPLAN Electric P8 Macro in .edz exchange format (EPLAN Data Archived Zipped) the overall time required for data integration can be further reduced. With just a few clicks, the data types for any number of article numbers can be imported and combined. In this way, it is possible for the installed Siemens products to be displayed across different pages of the circuit diagram quickly and easily.

At a glance

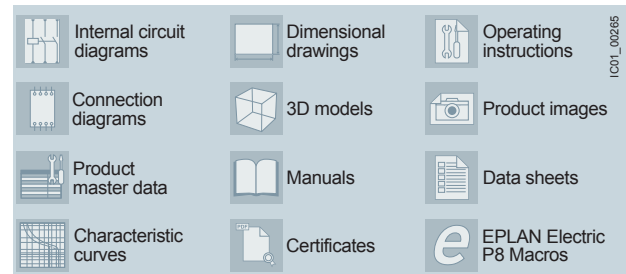
Without Planning Efficiency a lot of time would often be lost due to manual data transmission. Now you are able to concentrate on the essentials. All necessary information and product data is provided by Siemens for easy retrieval.

This makes the control cabinet configuration process more efficient and simplifies your everyday work.

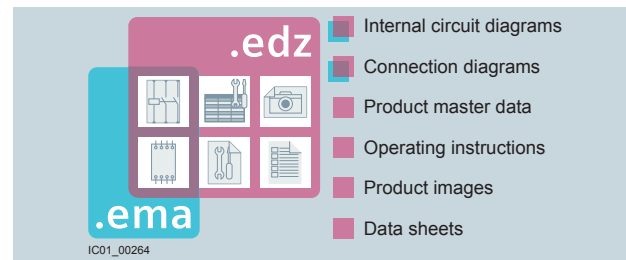
For more information, see www.siemens.com/planning-efficiency.



The configurator supplies the appropriate 3D models and dimension drawings for the control cabinet construction diagram.



The CAX Download Manager makes 11 universal data types available, as well as the EPLAN Electric P8 macro.



The EPLAN Electric P8 macro in .edz exchange format offers even more compared to the .ema exchange format.



Find out more about Planning Efficiency in our informative videos

Still have questions? Get all the information you need – with just one click

Always here for you: our comprehensive support

			
Information	Planning/order	Operation/service	Training
– Website – Catalogs and brochures – Newsletters – Image database	– Industry Mall – Configuration – SIMARIS planning tools – CAx Download Manager	– Siemens Industry Online Support (SIOS) – My Documentation Manager – Technical support – Support request	– SITRAIN Portal – Siemens Power Academy – BT Academy

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We support you from the planning stages to commissioning to operation.

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Introduction

New products

Ceiling movement detector 360°



- Indoor motion detector for surface ceiling mounting.
- Circular detection area, 360°.
- One output channel with zero crossing control.
- High load relay, which allows switching practically any type of load.
- Constant light measurement, allowing to condition its operation to daylight level.
- High sensibility PIR sensor, which detects small movements.
- Possibility to connect several detectors in parallel to expand the area to be covered in a single line of lighting.
- A red LED is equipped as an indicator for test triggering.

Rotary dimmers (5TC8263)

In order to enhance the complete dimmer range of the Delta series, Siemens has introduced a new rotary dimmer, especially optimized for dimmable HV LED lamps.



It can be used with all the Delta designs as it is compatible with all rotary dimmer covers.
A list of tested dimmable HV LED lamps from different manufacturers is available on the Siemens Support website.

External pushbutton operated dimmers (5TC8210-0, 5TC8211-0, 5TC8212-0)



To use the pushbutton operated devices, it is necessary to connect the dimmer to a standard pushbutton like the 5TD2120 (to operate one dimmer) or the 5TD2111 (to operate two dimmers). As these kind of dimmers are only 12mm thick it is possible to install them behind the associated Delta pushbutton in the same flush mounting box or in a junction box. Each dimmer can take up to three illuminated pushbuttons and an unlimited number of non-illuminated pushbuttons.
Via a selector on the dimmer, it is possible to choose whether the dimmer should memorise the last dim level or not.

Portable technology is invading our surroundings, creating new needs that were not present before.

New connectivity needs are met using the different finishes and elegant designs of Delta product ranges.

Advantages:

- Neater: the cables remain inside the wall. No more long connecting cables on the floor.
- More functionality: easily connect your laptop to the LCD TV, your MP3 player to the sound system or your tablet to the Home Cinema equipment.
- Enhanced experiences:
 - Offer your hotel customers the possibility to easily charge their smartphones and portable devices with the USB charger laptop to the LCDscreen to see their favorite movie in their own hotel room.
 - Make it easier to connect the personal equipment in meeting rooms or conference rooms.
- Suitable for all Delta designs. nheit und Eleganz de

HDMI Type A standard or high speed supported 5TG2020-0 white / 5TG2020-1 grey



The HDMI adapter enables the transmission of high-resolution digital audio and video, e.g. from a DVD / Blue-Ray player to an LED TV screen.

USB socket Type A, USB 2.0-compatible 5TG2022-0 white / 5TG2022-1 grey



The USB adapter enables data interconnection of various devices with USB connectors such as printers, USB sticks, digital cameras, laptops or LED TV screens.

Full HD-compatible (1920 x 1080 pixel) and suitable for the connection of 15-core VGA cables 5TG2021-0 white / 5TG2021-1 grey



The VGA adapter enables the transmission of analogue video data between PCs or laptops and display units such as monitors.

Up to 4mm² cables in the front and 6mm² cables in the rear 5TG2467-2 / 5TG2468-2



The loudspeaker adapter enables the transmission of analogue audio signals between loudspeakers and audio sources such as HIFIs, TV screens or Home cinemas.

All multimedia adapters have screw terminal connections to connect the cabling inside the wall.

USB Charger 5TG2025-0 black



The 5TG2025-0 USB charger allows portable devices with batteries such as smartphones, MP3 players or tablets, to be charged at a fixed location at home, hotel room or office. You can easily replace a socket outlet with the USB charger and it will be immediately ready to use, no extra connections are needed.

The USB Charger is suitable for charging portable electronic devices connected via a USB 2.0 type A plug. Up to two devices, such as mobile phones and MP3 players, can be charged simultaneously.

Technical data: The USB charger allows you to charge one device with a maximum load of 1400mA or two devices with a maximum load of 700mA for each device.

Introduction

Quality and the environment

Quality in the context of the environment

Increasing urbanization and a growing global population have meant that it has become one of our key challenges to look after and preserve our natural resources – one we are happy to meet head on.

Acting responsibly

As part of the ecologically responsible and globally active Siemens Group, we are setting the bar high. Our environmental protection objectives are an integral part of our rigorous quality management.

Even during the development of our products and systems, we take a critical look at their possible effects on the environment. So, without exception, they all comply with the EC Directive RoHS (Restriction of Hazardous Substances). During this development phase, we also lay the foundations for the highest quality: from the very outset, we define reliability requirements and the related quality assurance measures, and these are incorporated into all drafts.

All products and systems are also subject to strict quality specifications during production and testing. We take great care to ensure compliance with these specifications in order to guarantee our customers nothing but the very best quality. Our many certificates bear witness to our success.

Pioneers in recycling

As a founder member of a non-profit association for the active promotion of the environment-friendly recycling of disabled LV HRC fuse links, Siemens takes a pro-active approach to recycling. The aim of the association is to create a voluntary system for the environment-friendly recycling of LV HRC fuse links, which is simple and free for participating collectors. All proceeds are used to support a range of projects in the training and research sector.

Environmentally-friendly development and design of DELTA products

Environmentally friendly product design is a fundamental element of our product development. Starting with the selection of materials that are as low-emission as possible, over the protective use of resources, through to the development of suitable recycling strategies, we take all phases of the product cycle into account. For example, our inserts are free of cadmium and nickel, and our DELTA socket outlets are free of PVC and halogens. Our galvanic coatings are manufactured using Chrome-6 free passivation techniques and heavy metal free pigments and we have ceased using PVC and halogens for our design components. This has two advantages: our product ranges are ideal even for allergy sufferers and there are no noxious fumes in the event of a fire. Furthermore, all components can be disposed of in an environmentally friendly manner.

It goes without saying that our switch and socket outlet ranges comply with all common standards as well as the EC Directive RoHS (Restriction of Hazardous Substances).

Pro-active environmental protection

It goes without saying that we are certified to ISO 14001 – as are all Siemens premises. Furthermore, as an active member of ZVEI (German Electrical and Electronic Manufacturers' Association), we pro-actively support the protection of the environment with a wide range of measures, such as the development of binding environmental management systems.

DELTA product ranges

i-system components	DELTA line				
					
	Titanium white Electrical white Aluminum metallic Carbon metallic				
	DELTA miro Glas				
					
	Crystal green/ aluminum metallic White/ titanium white Black/ aluminum metallic Orient/ carbon metallic Arena/ electrical white				
	DELTA miro Aluminium				
					
	Natural/aluminum metallic Yellow oxide/electrical white				
	DELTA miro Wood				
					
	Maple red/ aluminum metallic Maple/ titanium white Beech ¹⁾ / carbon metallic Cherry ¹⁾ / aluminum metallic Wenge ¹⁾ / aluminum metallic				
	DELTA miro Color				
					
	Titanium white Aluminum metallic Carbon metallic Electrical white				
	DELTA profil				
					
	Titanium white Silver				
	DELTA style				
					
Titanium white Platinum metallic					
m-system					
					
Titanium white Aluminum metallic Carbon metallic Platinum metallic					
Surface-Mounting Product					
					
DELTA fläche IP44 DELTA fläche IP68					

¹⁾ Color achieved through staining

Introduction

DELTA product ranges

Gamma instabus – suitable for all DELTA frames

Increased safety and comfort with maximum efficiency – this is facilitated with the GAMMA building and room automation on the basis of the global KNX standard – realizable with all DELTA programs.

DELTA miro Aluminium

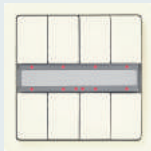


Natural/aluminum metallic



Yellow oxide/titanium white

DELTA style



Titanium white



Platinum metallic

DELTA line



Titanium white



Aluminium metallic

DELTA miro Wood



Maple red



Beech

DELTA miro Glass



Crystal green/
aluminum metallic



White/
titanium white



Black/
aluminum metallic



Orient/
titanium white



Arena/
electrical white

DELTA miro Color



Titanium white

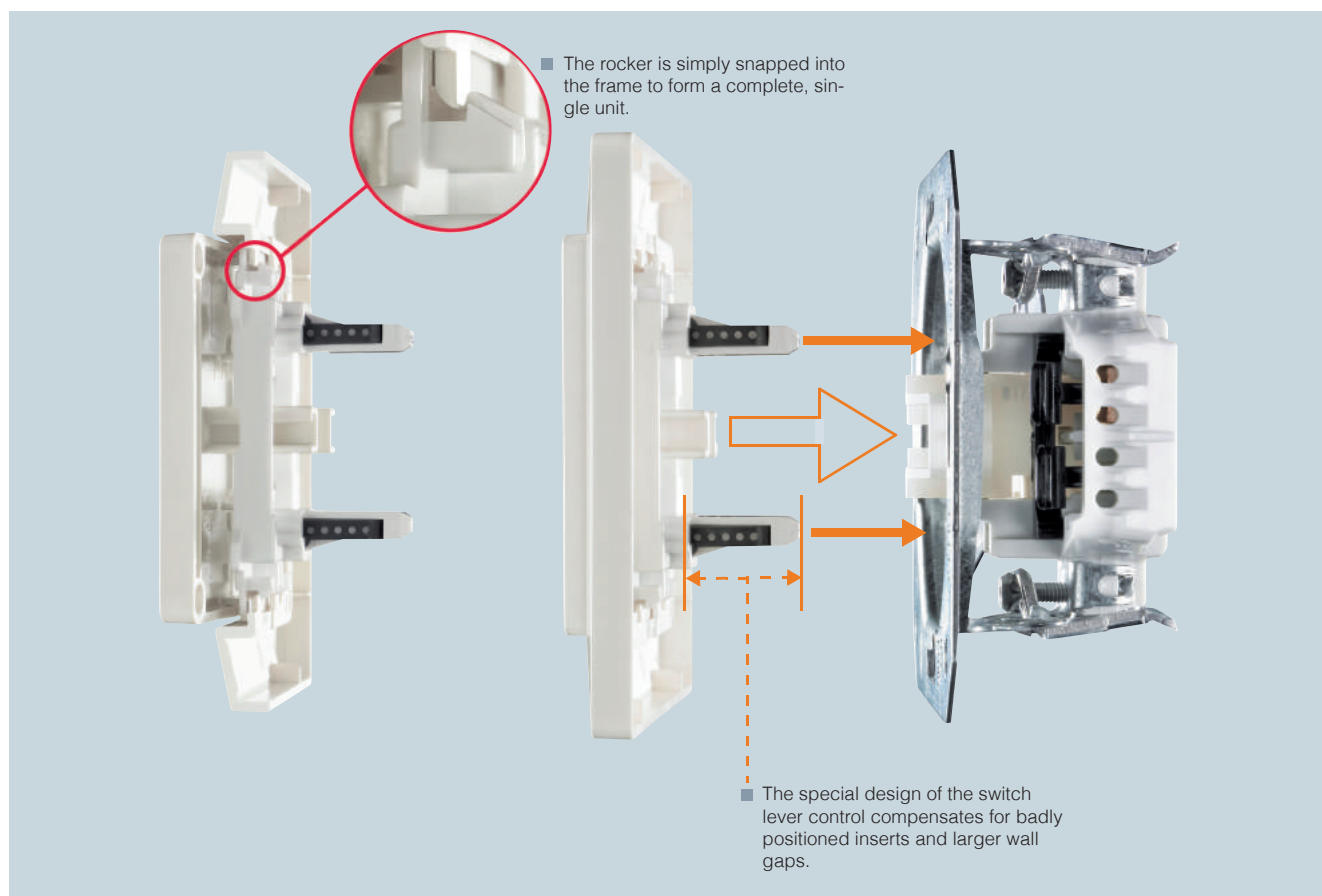


Aluminum metallic

Simple and safe to install – even under difficult conditions

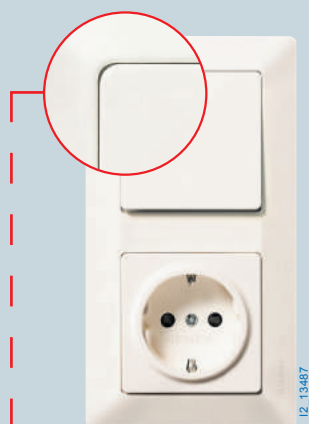
Wherever inserts need to be mounted, you are in demand. And you are more than familiar with the usual problems: insufficient depth of the flush-mounting enclosure means that switch inserts may be plastered or wall-papered over – which can lead to malfunctions. Or the wall-mounting of the switch inserts 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 insert

and rocker plug-in system. High switching reliability and 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. All of which saves you a lot of time, money and hassle.

Unique, well-designed, proven plug-in system

Introduction

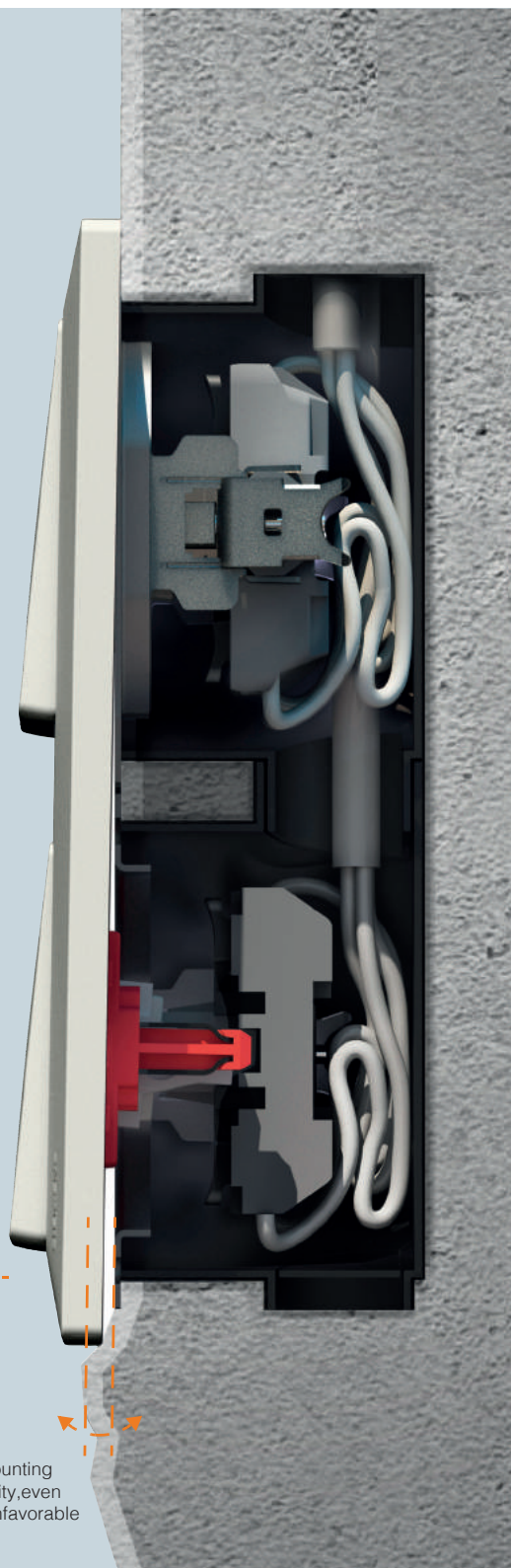
Simple and safe to install – even under difficult conditions



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

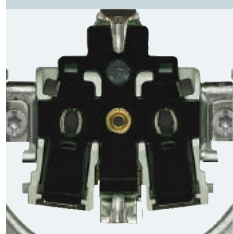
- The play of the switch lever is sufficient to allow the plugged rocker with frame to fit snugly on the wall surface.

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

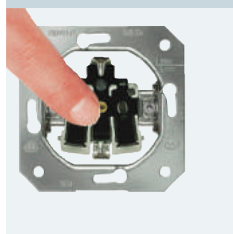


What do you expect of an insert? It goes without saying that you want inserts that are easy to mount. Our inserts are mounted securely on the wall in no time at all. They offer

maximum convenience: the design of the insert base is ultra compact, which provides more space for connections.



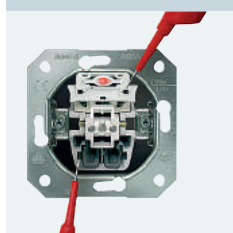
- As anyone who mounts inserts knows: it's often difficult to free cables from their terminals. But not with Siemens: our accessible and ergonomically designed release lever makes it easy to release cables safely without risk of injury.



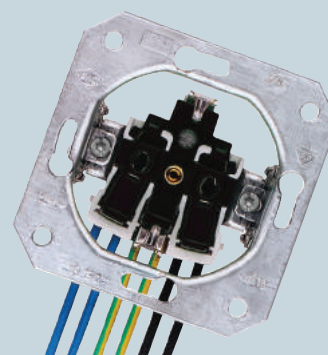
- All live parts are covered with insulating material for all-round touch protection – offering maximum protection, even if the upper design part is removed, e.g. when decorating.



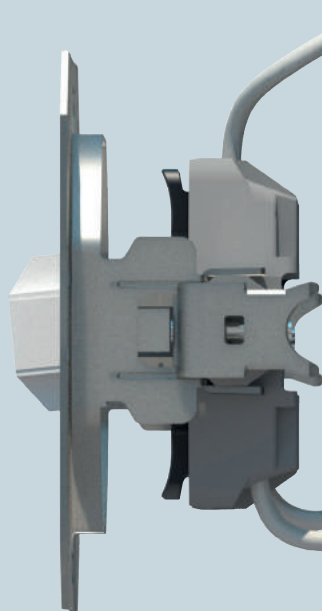
- Connecting conductors is quick and easy – just plug the solid conductors with a 1.5 mm² or 2.5 mm² cross section into the funnel shaped cable entries of the connecting terminals. Thanks to the uniform length of the insulation to be stripped on both switches and socket outlets there are no more tedious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



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



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

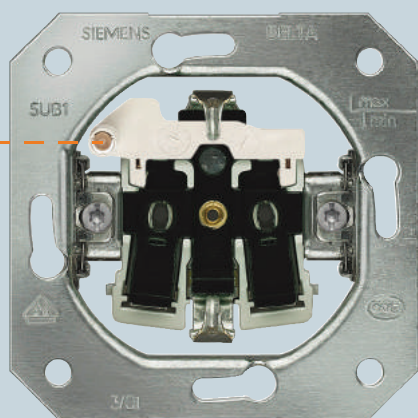


- Put an end to lack of wiring space in the box: our compact inserts make space for all the cables you need.



Retrofitting and replacement made easy

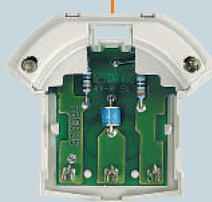
Regardless of whether you want to retrofit specific functions or replace components – it couldn't be easier with our modular design and plug-in technology.



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



Spare glow lamp for SCHUKO® socket outlet



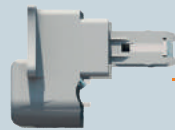
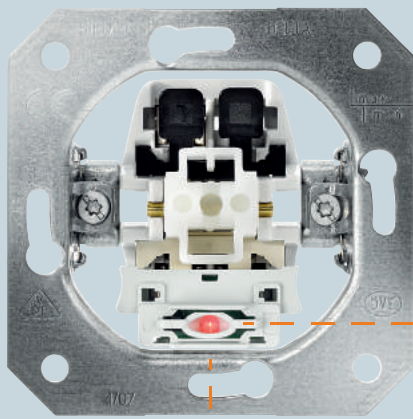
Overvoltage protection modules



Mounted overvoltage protection module

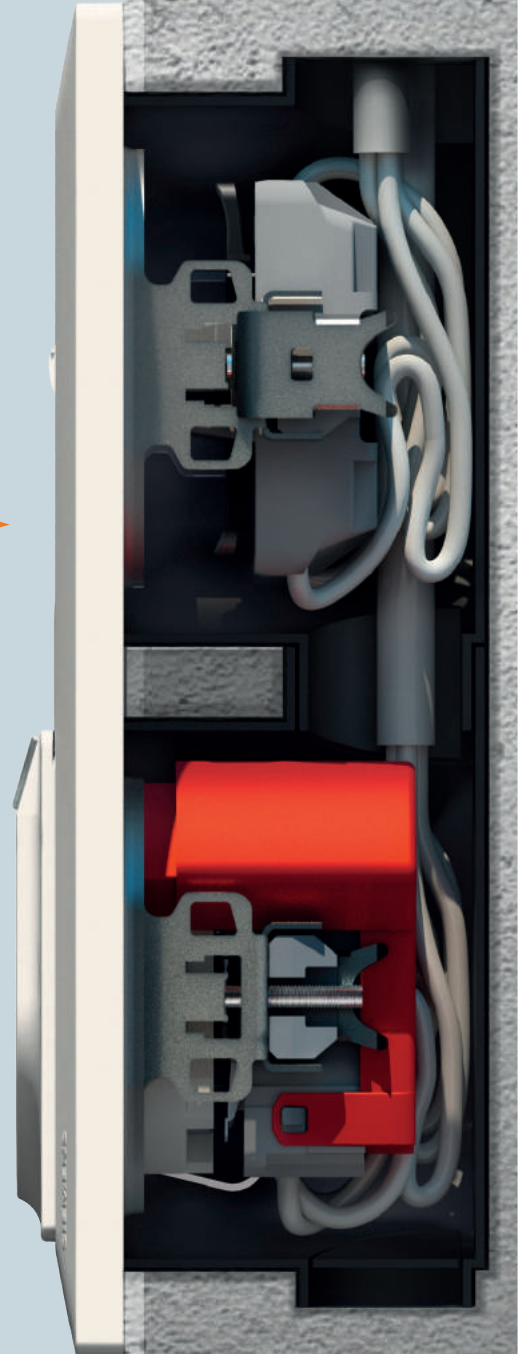
Introduction

Retrofitting and replacement made easy



- Lighting elements can also be replaced without removing the insert. For example, the LEDs are simply plugged in from the front and can be replaced even during operation.

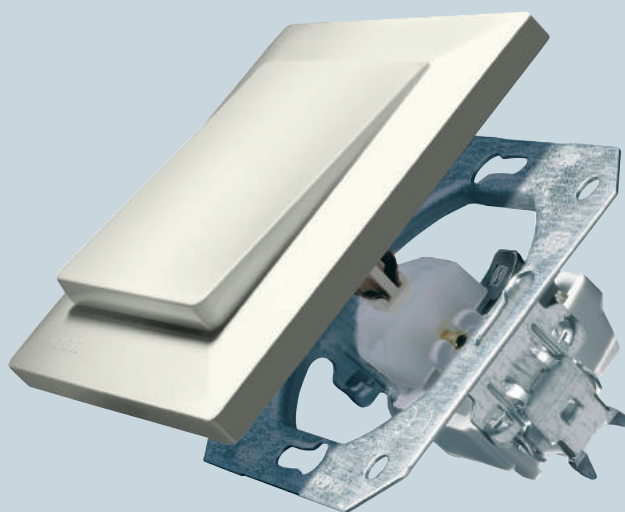
- A standard 40 mm device box suffices for SCHUKO® socket outlets with overvoltage protection. And because the double terminal is still free after the module is mounted, no additional terminals are required for the through-wiring.



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.



- Compared to the conventionally designed switches and socket outlets of other manufacturers, Siemens offers the flattest switches to date when using standardized flush-mounting boxes.

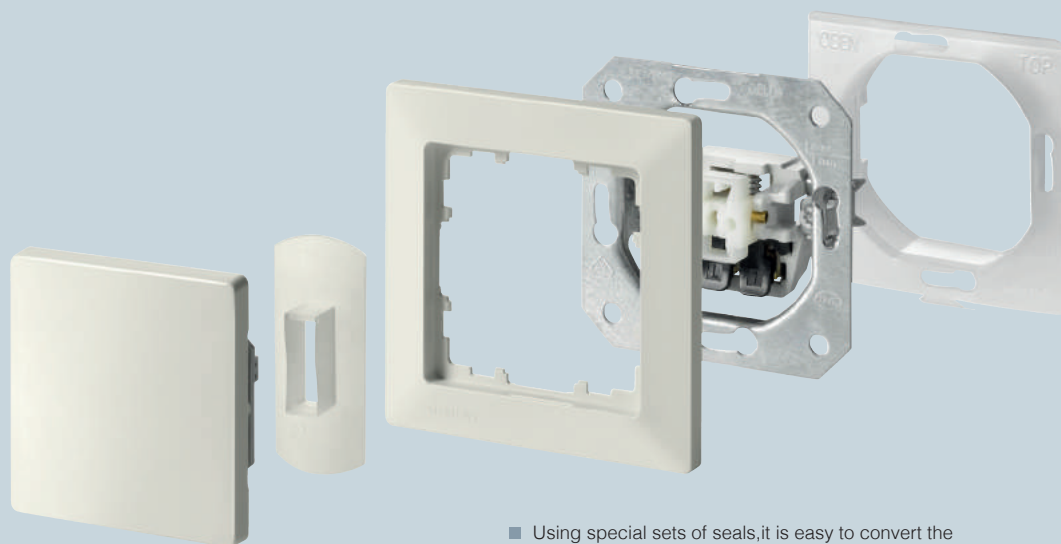
- The material is the key:
For fast assembly of the components, you need to be able to rely on the high quality of the material. Thermosetting plastic parts are inclined to break when dropped or secured too tightly. Furthermore, thermosetting plastic surfaces have an uneven appearance and look cheap – 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.

Introduction

Degree of protection IP44

With the DELTA i-system (DELTA line, 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 version. In combination with IP44 – that is completely unique!

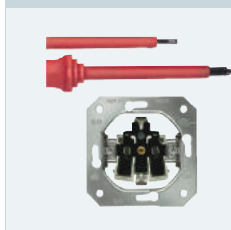


- Using special sets of seals, it is easy to convert the switches and socket outlets of the DELTA i-system (DELTA line and DELTA miro) and DELTA style to degree of protection IP44.



- DELTA style surface-mounting enclosure. Also available in DELTA line. In unique combination with IP44.

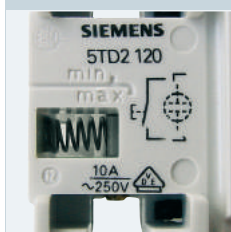
Whichever way you look at it: our inserts are perfect down to the very last detail.



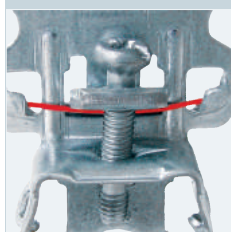
- Our new combination screws for Torx and slotted screw drivers ensure that there is no slipping of the screwdriver blade. The screw is screwed with metric thread into the metal. Minimum torques enable the secure fastening of the insert even when mounted manually using a screwdriver. It is virtually 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 stripping length of 10 mm for all switch models, including SCHUKO® socket outlets, there are no more tedious length adjustments required on the stripping tool.

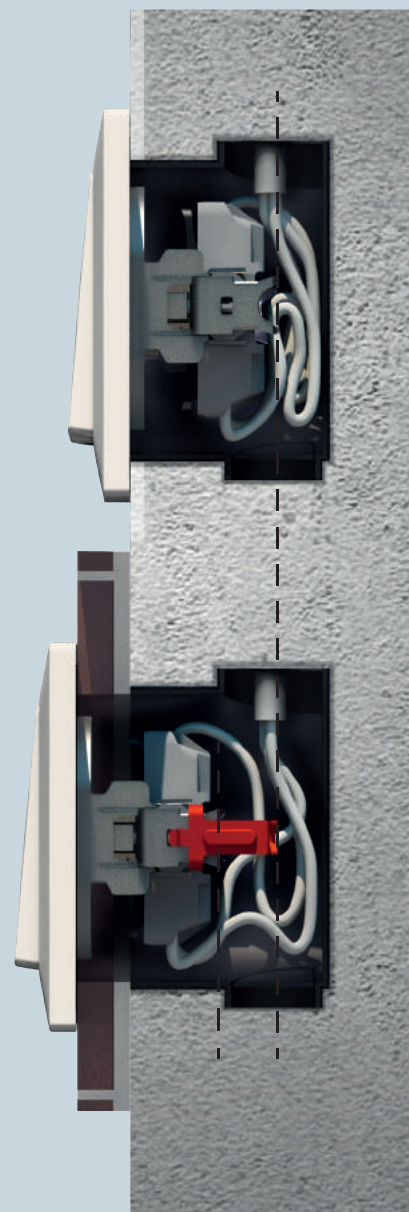


- You can instantly see how the insert is connected: the circuit diagram and item number on the back of the base with topographical wiring diagram preclude mounting errors due to incorrect connection.



- 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.



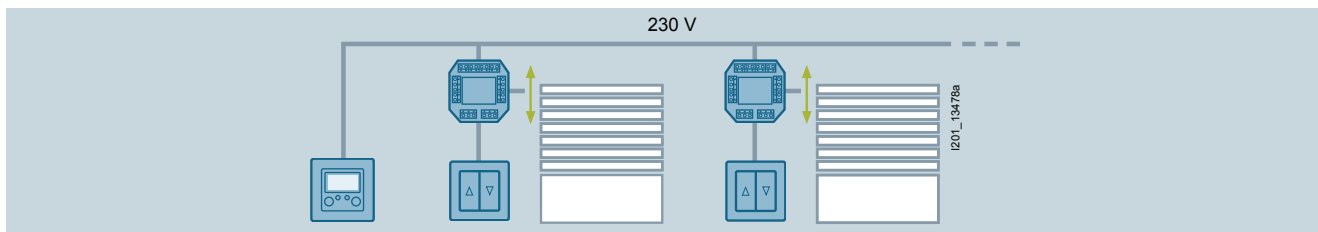
Introduction

DELTA shutter/blind controls

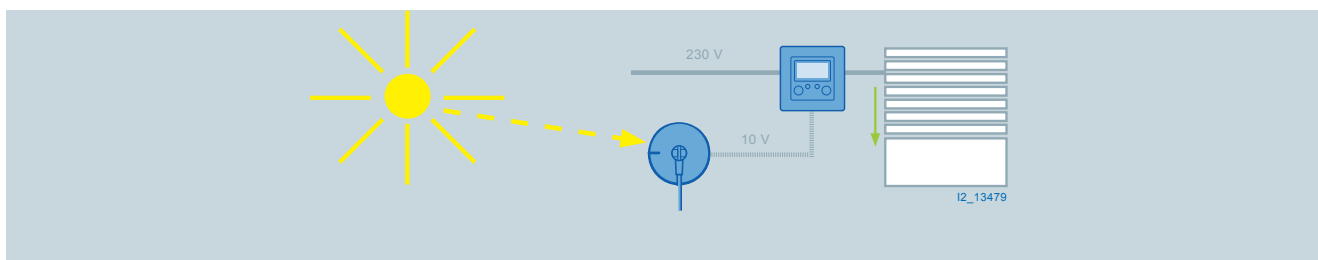
Our shutter/blind control shows how easy it is to enhance home convenience and safety. We have now developed new applications that address the demand for greater living comfort – whether for new buildings, or when retrofitting or renovating existing buildings.

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.

Group and central control of shutters/blinds



Solution achieved through blind relay and conventional pushbutton.



Shutter/blind control with sun sensor (accessories for Comfort shutter/blind control)



Comfort
shutter/blind control



Shutter/blind control
flush-mounting isolating relay,
compact

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.

Rotary dimmers

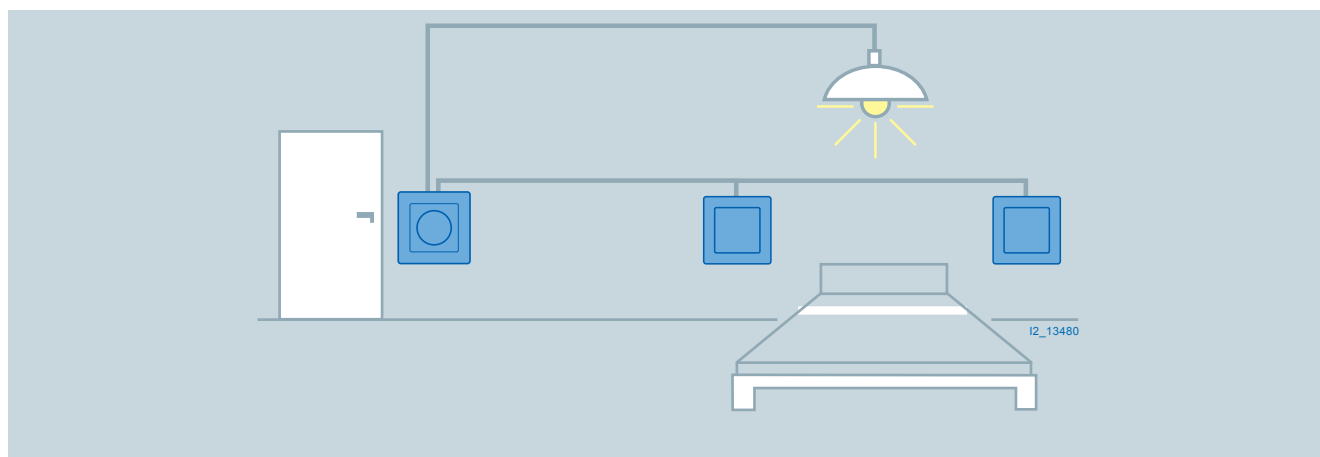
Simply turn the dimmer to set the required brightness – pressing it turns the light on or off. Rotary dimmers can also be mounted in cross and two-way switches.

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.

Dimmer for LED lamps

Siemens has introduced new rotary and pushbutton operated dimmers to the Delta product lines. Dimmers are ideal for controlling energy-saving HV-halogen lamps, dimmable LED retrofit lamps, 12-48Vdc monochrome led strips and compact fluorescent lamps. Both versions are compatible with all the DELTA programs and have numerous materials, colours and shapes available.



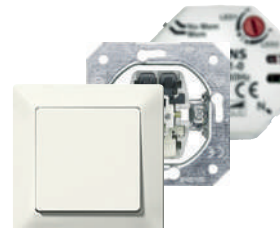
This is possible thanks to networking: a sensor dimmer can be controlled from a number of conventional pushbuttons (Graphics in the switch design of DELTA line, titanium white)



Rotary dimmer



Universal dimmer



Dimmer by pushbutton

Introduction

DELTA motion detector tops

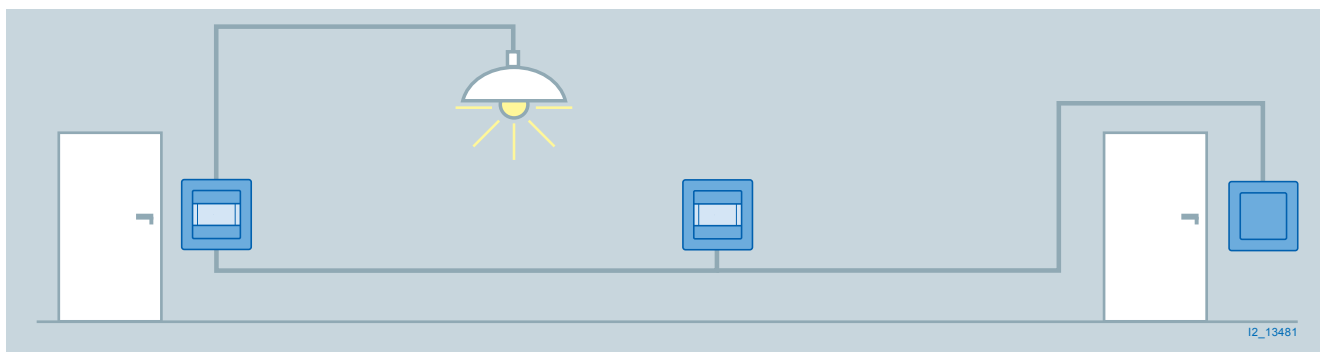
Light, whenever it's needed – particularly if entering a dark passage area. The use of motion detectors is particularly useful for the automatic switching of lights in corridors, garages, cellars or toilets.

Comfort is standard – for both versions

Those who opt for the standard version, are offered a permanently set delay time of 2 minutes, as well as an option for setting 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



If the large sensing range of a motion detector proves to be insufficient, you can expand it using extension units. (Graphics in the switch design of DELTA line, titanium white)



Motion detector top



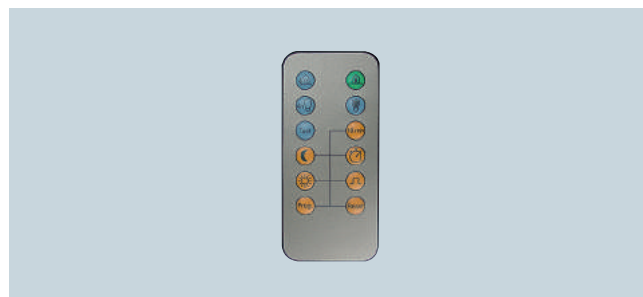
Comfort motion detector top

Auspacken, anschließen, fertig – kein zweiter Baustellenbesuch notwendig



A key feature of the new DELTA reflex motion detector IP55 is the precision with which its values can be preset, compared to standard motion detectors, which are set over potentiometers. So there is no need to go back and adjust the devices. Convenient mounting: quick and easy wiring in the terminal box – and then simply plug in the motion detector. Commissioning of the motion detector is automatic.

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



A key feature of the new DELTA reflex motion detector IP55 is its particularly attractive design.

Benefits

- Instant commissioning
- Preset standard mode with two minutes delay time and 7 lux brightness value
- Precise adjustment of values for twilight and delay time, so no need to keep going back to the site to readjust the device
- Convenient mounting – the motion detector simply plugs into the terminal box
- Automatic test mode after initial application of voltage
- Change preset brightness values and delay times with a simple touch of the button
- Flexible use: suitable for wall, ceiling or corner installation
- Excellent price-performance ratio
- Attractive design
- Available in the colors titanium white and anthracite
- Additional functions over remote control with the 290° IR version

Introduction

DELTA room temperature controllers

A room temperature controller brings greater comfort and warmth into your home – naturally in a design to match your DELTA range.

Room temperature controller, NC/CO contact

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

Room temperature controllers, 3-position switch

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

Room temperature controllers, 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)



Room temperature controller,
NC/CO contact



Room temperature controller,
3-position switch



Room temperature controller,
direct floor heating

Mounting and dismantling of rockers and frames



Rockers and frames are simply snapped together to form a unit. Then just plug the rocker/frame combination into the insert – done.

Simply repeat this process for multiple frames.



The rockers are always removed from the insert over the frame, i.e. lifting the frame, either manually or using a screw-driver, automatically lifts the rocker from its bracket.



Intelligent and integrated building and room automation



Comfortable operation



- Straightforward and intuitive operation of all disciplines in a room
- Pushbuttons and room temperature controls, harmoniously coordinated with the room's electrical installation, available in a broad range of designs and colors
- Can be combined with various frame designs in different colors, shapes and materials (like plastics, glass and aluminum)
- Modular installation solutions for regional, country-specific standards: CEE/VDE, UL, British Standard, modular 503 technology

Central room and building functions



- Central display and operation device with additional special applications
- Color touch panel as multi-function display/operation unit
- Wide design and color selection

Intelligent mobile operation and monitoring

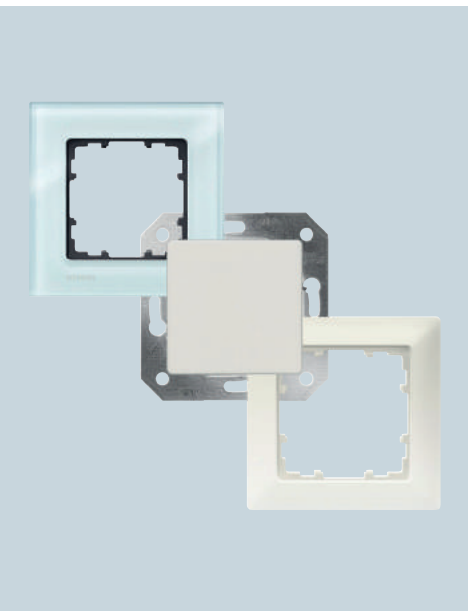


- Web-enabled solutions for the display and operation of all disciplines
- Intuitive user interface with intelligent applications (for example, scenes and effect control)
- Utilization of pre-existing web-compatible devices like smartphones, tablets and notebooks – whether in the building or by remote control

The Gamma-TD website contains technical information about all KNX products from Siemens. You can download operating and installation instructions, descriptions, VD files, technical product information, specification texts for invitations to tender as well as CE certificates. siemens.com/gamma-td

Introduction

Notes

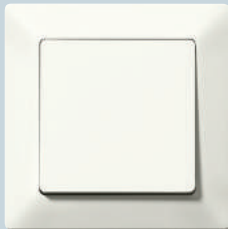


2/2	Introduction
2/5	Switches and pushbuttons
2/9	Socket outlets
2/16	International plug-and-socket devices
2/17	Shutter/blind controls
2/21	Lighting controls
2/23	Motion detectors
2/25	Room temperature controllers
2/26	Communication
2/29	TV / RF / SAT
2/30	Equipotential bonding
2/30	Module carriers for DELTA line and DELTA miro
2/31	School program
2/32	Add-on devices
2/34	Accessories and spare parts

Overview

Colors and designs of the i-system

Frames in DELTA line design



Titanium white



Electrical white



Aluminum metallic



Carbon metallic

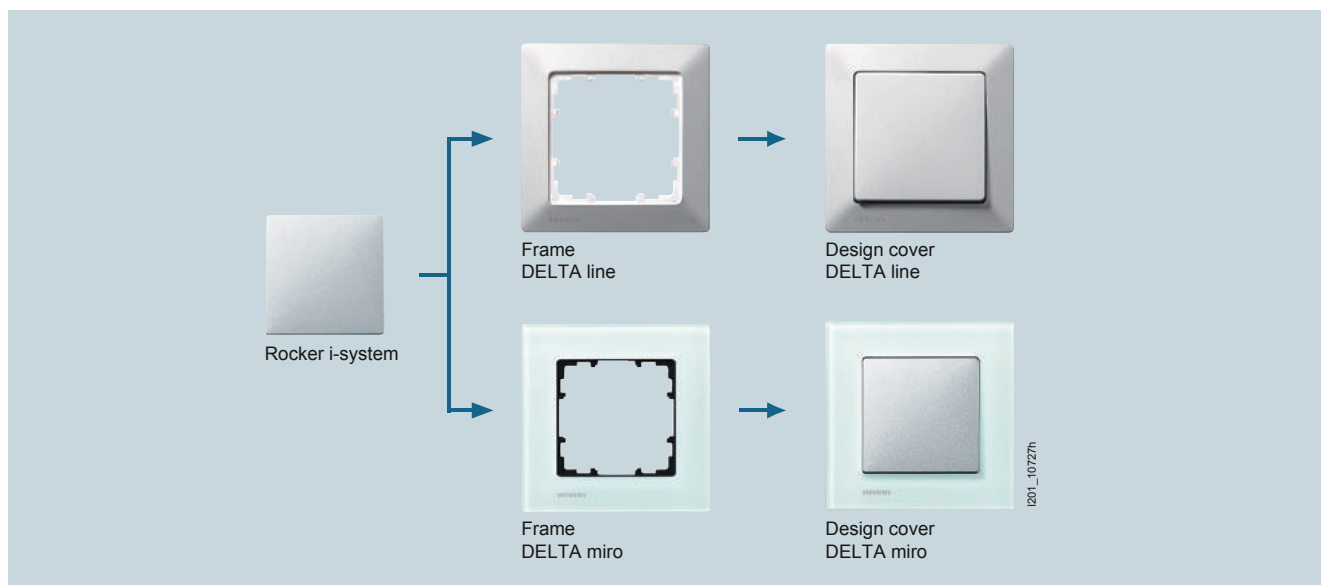
Frames in DELTA miro line design

DELTA miro Glass/
Titanium whiteDELTA miro Aluminium/
Aluminum metallicDELTA miro Wood/
Aluminum metallicDELTA miro Color/
Titanium white

Using i-system

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

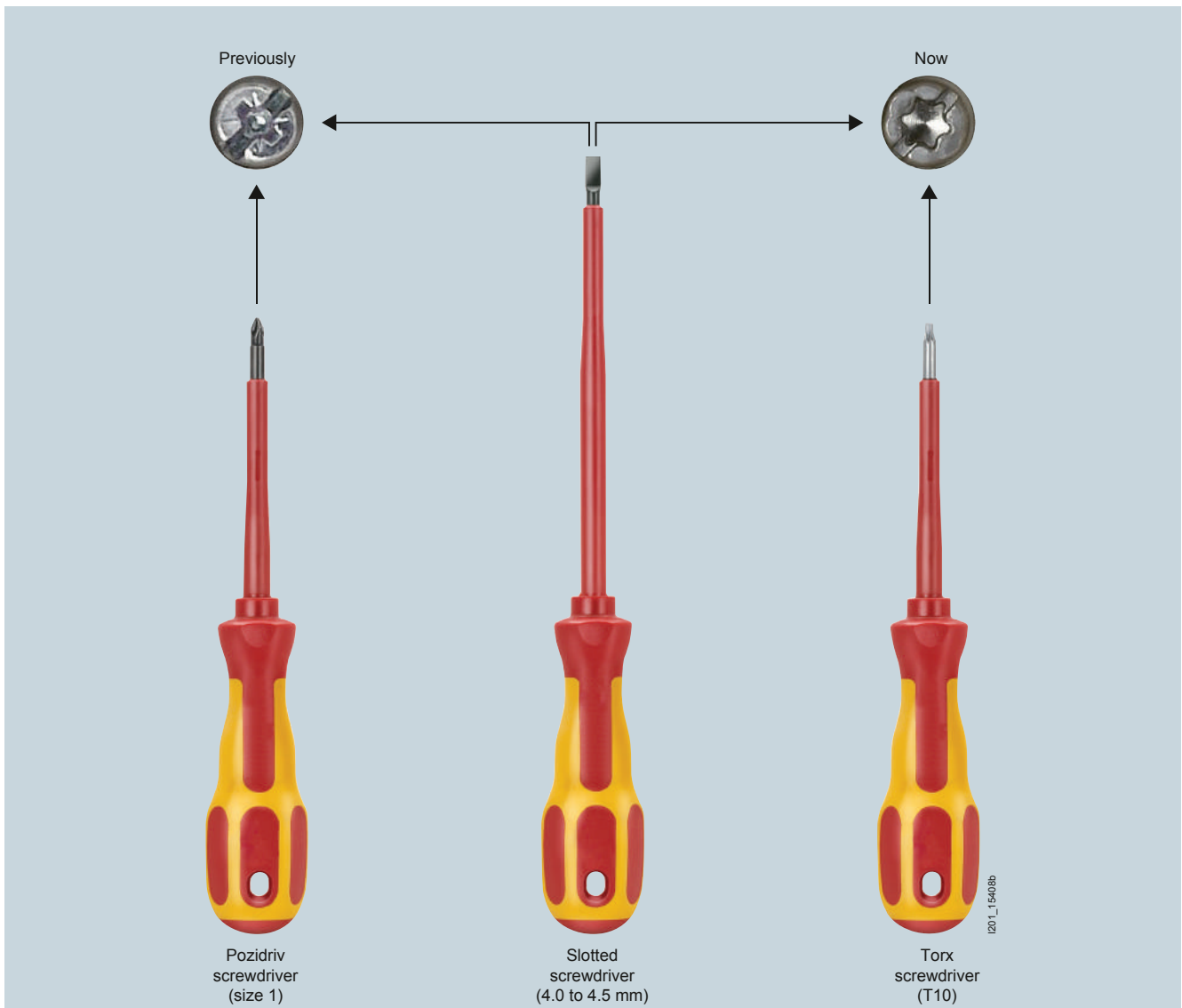
- Frames from the DELTA line product range.
- Frames from the DELTA miro product range.

Modular components of the i-system with DELTA line and DELTA miro

Introduction

Combination screws for Torx T10 and slotted screwdrivers

All our inserts for switches and pushbuttons, and all SCHUKO® socket outlets from the DELTA product range, are equipped with the new combination screws.



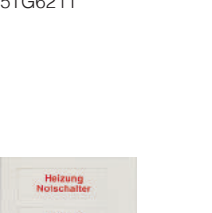
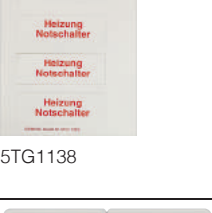
Use of different screwdrivers on the previously used and new combination screw.

Selection and ordering data

				Order No.
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/ Pushbutton Control/ Dimming / Accessories and spare parts</i>	9/17		
• All rockers shown here can be combined with the frames of the DELTA line product range, see ...	<i>Design / DELTA line</i>	3/5		
• All rockers shown here can be combined with the frames and color elements of the DELTA miro product range, see ...	<i>Design / DELTA miro</i>	3/5		
• Degree of protection IP44 for rockers can be achieved with the IP44 set of seals, for rockers, see ...	<i>Accessories and spare parts</i>	2/34		5TG4324
Rockers, neutral				
Versions - Titanium white (similar to RAL 9010) - Electrical white (RAL 1013) - Aluminum metallic (similar to RAL 9006) - Carbon metallic (similar to RAL 7016)				5TG6201 5TG6271 5TG6241 5TG6221
Inserts	Section	Page		
• <i>Universal switches</i>	<i>Functions / Switching/ Pushbutton Control/Dimming</i>	9/3		5TA2156
• <i>Intermediate switches</i>	<i>dto.</i>	9/4		5TA2117
• <i>ON/OFF switches, 1-pole</i>	<i>dto.</i>	9/4		5TA2151
• <i>Pushbuttons, 1 NO contact</i>	<i>dto.</i>	9/8		5TD2120
• <i>Pushbuttons, 1 CO contact</i>	<i>dto.</i>	9/9		5TD2123
Rockers with "Bell" symbol				
Versions - Titanium white (similar to RAL 9010) - Electrical white (RAL 1013) - Aluminum metallic (similar to RAL 9006) - Carbon metallic (similar to RAL 7016)				5TG6207 5TG6277 5TG6247 5TG6227
Inserts	Section	Page		
• <i>Pushbuttons, 1 NO contact</i>	<i>Functions / Switching/ Pushbutton Control/Dimming</i>	9/8		5TD2120
• <i>Pushbuttons, 1 CO contact</i>	<i>dto.</i>	9/9		5TD2123
Rockers with "Door Opener" symbol				
Versions - Titanium white (similar to RAL 9010) - Electrical white (RAL 1013) - Aluminum metallic (similar to RAL 9006) - Carbon metallic (similar to RAL 7016)				5TG6208 5TG6278 5TG6248 5TG6228
Inserts	Section	Page		
• <i>Pushbuttons, 1 NO contact</i>	<i>Functions / Switching/ Pushbutton Control/Dimming</i>	9/8		5TD2120
• <i>Pushbuttons, 1 CO contact</i>	<i>dto.</i>	9/9		5TD2123
Rockers with I/O symbols				
Versions - Titanium white (similar to RAL 9010) - Electrical white (RAL 1013) - Aluminum metallic (similar to RAL 9006) - Carbon metallic (similar to RAL 7016)				5TG6202 5TG6272 5TG6242 5TG6222
Inserts	Section	Page		
• <i>ON/OFF switches, 2-pole, 10 A</i>	<i>Functions / Switching/ Pushbutton Control/Dimming</i>	9/5		5TA2112
• <i>ON/OFF switches, 2-pole, 16 A</i>	<i>dto.</i>	9/5		5TA2162
• <i>ON/OFF switches, 3-pole, 16 A</i>	<i>dto.</i>	9/5		5TA2153

Switches and pushbuttons

			Order No.
 5TG6200	Rockers with window		
	Versions		
	• Titanium white (similar to RAL 9010) • Electrical white (RAL 1013) • Aluminum metallic (similar to RAL 9006) • Carbon metallic (similar to RAL 7016) • Amber (similar to RAL 1036) • Piano black (similar to RAL 9005) • Chilly (similar to RAL 3020)		5TG6200 5TG6270 5TG6240 5TG6220 5TG6220-0 5TG6220-1 5TG6220-2
	Inserts	Section	Page
	• Switches with pilot lamp, for ON/OFF switching	Functions / Switching/ Pushbutton Control/Dimming	9/6
	• Switches with pilot lamp, for two-way switching	dto.	9/6
	• Pushbuttons, 1 NO contact, with separate neutral terminal	dto.	9/9
	• Pushbuttons, 1 CO contact, with separate neutral terminal	dto.	9/9
	• Pushbuttons, with separate check-back indication	dto.	9/10
	• Universal switches	dto.	9/3
	• Intermediate switches	dto.	9/4
	• ON/OFF switches, 1-pole	dto.	9/4
	• Pushbuttons, 1 NO contact	dto.	9/8
	• Pushbuttons, 1 CO contact	dto.	9/9
	Note	Section	Page
	LED light inserts, see ...	Accessories and spare parts	2/34
 5TG6206	Rockers with "Light" symbol and window		
	Versions		
	• Titanium white (similar to RAL 9010) • Electrical white (RAL 1013) • Aluminum metallic (similar to RAL 9006) • Carbon metallic (similar to RAL 7016)		5TG6206 5TG6276 5TG6246 5TG6226
	Inserts	Section	Page
	• Universal switches	Functions / Switching/ Pushbutton Control/Dimming	9/3
	• Intermediate switches	dto.	9/4
	• ON/OFF switches, 1-pole	dto.	9/4
	• Pushbuttons, 1 NO contact	dto.	9/8
	• Switches with pilot lamp, for ON/OFF switching	dto.	9/6
	• Switches with pilot lamp, for two-way switching	dto.	9/6
	• Pushbuttons, 1 NO contact, with separate neutral terminal	dto.	9/9
	• Pushbuttons, 1 CO contact, with separate neutral terminal	dto.	9/9
	• Pushbuttons, with separate check-back indication	dto.	9/10
	Note	Section	Page
	LED light inserts, see ...	Accessories and spare parts	2/34
 5TG6210	Rockers with labeling field		
	Versions		
	• Titanium white (similar to RAL 9010) • Electrical white (RAL 1013) • Aluminum metallic (similar to RAL 9006) • Carbon metallic (similar to RAL 7016)		5TG6210 5TG6280 5TG6250 5TG6230
	Inserts	Section	Page
	• Pushbuttons, 1 NO contact	Functions / Switching/ Pushbutton Control/Dimming	9/8
	• Universal switches	dto.	9/3
	• Intermediate switches	dto.	9/4
	• ON/OFF switches, 1-pole	dto.	9/4
	• Pushbuttons, 1 CO contact	dto.	9/9
	Note	Section	Page
	Sheets of pictographs, for single rockers with labeling field (5TG1136) can be ordered separately, see	Accessories and spare parts	2/36
			5TG1136

				Order No.
	Rockers with "Bell" symbol and labeling field			
	Versions			
	• Titanium white (similar to RAL 9010) • Electrical white (RAL 1013)			5TG6215 5TG6285
	Inserts	Section	Page	
	Rockers with labeling field and window			
	Versions			
	• Titanium white (similar to RAL 9010) • Electrical white (RAL 1013) • Aluminum metallic (similar to RAL 9006) • Carbon metallic (similar to RAL 7016)			5TG6211 5TG6281 5TG6251 5TG6231
	Inserts	Section	Page	
	• Switches with pilot lamp, for ON/OFF switching	Functions / Switching/ Pushbutton Control/Dimming	9/6	5TA2150
	• Switches with pilot lamp, for two-way switching	dto.	9/6	5TA2108
	• Pushbuttons, 1 NO contact, with separate neutral terminal	dto.		5TD2116
	• Pushbuttons, 1 CO contact, with separate neutral terminal	dto.		5TD2117
	• Pushbuttons, with separate check-back indication	dto.		5TD2114
	• Universal switches	dto.	9/3	5TA2156
	• Intermediate switches	dto.	9/4	5TA2117
	• ON/OFF switches, 1-pole	dto.	9/4	5TA2151
	• Pushbuttons, 1 NO contact	dto.	9/8	5TD2120
	• Pushbuttons, 1 CO contact	dto.	9/9	5TD2123
	Note	Section	Page	
	5TA2150 switches with pilot lamp, for ON/OFF switching can be used as heating emergency switch. The required 5TG1138 labeling field insert "Heating Emergency Switch" must be ordered separately, see ...	Accessories and spare parts	2/34	5TG1138
	LED light inserts, see ...	dto.	2/34	
	Rockers, double, neutral			
	Versions			
	• Titanium white (similar to RAL 9010) • Electrical white (RAL 1013) • Aluminum metallic (similar to RAL 9006) • Carbon metallic (similar to RAL 7016) • Amber (similar to RAL 1036) • Piano black (similar to RAL 9005) • Chilly (similar to RAL 3020)			5TG6205 5TG6275 5TG6245 5TG6225 5TG6225-0 5TG6225-1 5TG6225-2
	Inserts	Section	Page	
	• Double two-way switches	Functions / Switching/ Pushbutton Control/Dimming	9/7	5TA2118
	• Two-circuit switches	dto.	9/7	5TA2155
	• Pushbuttons, double, 1 NO contact, 1 CO contact	dto.	9/10	5TD2115
	• Pushbuttons, double, 2 NO contacts	dto.	9/10	5TD2111
	Rockers, double, with Up/Down symbols			
	Versions			
	• Titanium white (similar to RAL 9010) • Electrical white (RAL 1013) • Aluminum metallic (similar to RAL 9006) • Carbon metallic (similar to RAL 7016)			5TG6214 5TG6284 5TG6254 5TG6234
	Inserts	Section	Page	
	• Shutter/blind switches, with electrical and mechanical interlock	Functions / Shutter/ blind controls	11/2	5TA2154
	• DELTA UP 116 bus coupling units, pushbutton position, double	dto.	11/2	5TA2114

Switches and pushbuttons

				Order No.
 5TG6204	Rockers, double, with window			
	Versions • Titanium white (similar to RAL 9010) • Electrical white (RAL 1013) • Aluminum metallic (similar to RAL 9006) • Carbon metallic (similar to RAL 7016)			5TG6204 5TG6274 5TG6244 5TG6224
	Inserts • Two-circuit switches • Pushbuttons, double, 2 NO contacts	Section Functions / Switching/ Pushbutton Control/Dimming	Page 9/7 9/10	5TA2155 5TD2111
 5TG6212	Rockers, double, with labeling field			
	Versions • Titanium white (similar to RAL 9010) • Electrical white (RAL 1013) • Aluminum metallic (similar to RAL 9006) • Carbon metallic (similar to RAL 7016)			5TG6212 5TG6282 5TG6252 5TG6232
	Inserts • Double two-way switches • Two-circuit switches • Pushbuttons, double, 1 NO contact, 1 CO contact • Pushbuttons, double, 2 NO contacts • Shutter/blind switches, with electrical and mechanical interlock • Shutter/blind pushbuttons, with electrical interlock	Section - Functions / Switching/ Pushbutton Control/Dimming - dto. - dto. - dto. - Functions / Shutter/blind controls - dto.	Page 9/7 9/7 9/10 9/10 11/2 11/2	5TA2118 5TA2155 5TD2115 5TD2111 5TA2154 5TA2114
	Note	Section	Page	
	5TG1137 sheet of pictographs, for double rocker with labeling field must be ordered separately, see ...	Accessories and spare parts	2/34	5TG1137
 5TG6213	Rockers, double, with labeling field and window			
	Versions • Titanium white (similar to RAL 9010) • Electrical white (RAL 1013) • Aluminum metallic (similar to RAL 9006) • Carbon metallic (similar to RAL 7016)			5TG6213 5TG6283 5TG6253 5TG6233
	Inserts • Two-circuit switches	Section Functions / Switching/ Pushbutton Control/Dimming	Page 9/7	5TA2155
 5TG6217	Rockers with pull actuation			
	Cord approx. 2 m			
	Versions • Titanium white (similar to RAL 9010) • Electrical white (RAL 1013)			5TG6217 5TG6287
 5TG4820	Hotel card switches, with lighting and labeling field			
	• 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 insert, pushbutton, 1 CO contact, with separate neutral terminal (5TD2117) • Incl. glow lamp (5TG7332)			5TG4820 5TG4824 5TG4821 5TG4822
	Versions • Titanium white (RAL 9010) • Electrical white (RAL 1013) • Aluminum metallic (similar to RAL 9006) • Carbon metallic (similar to RAL 7016)			

Selection and ordering data

Version			Order No.
General information • For screw and claw fixing • SCHUKO® socket outlets: 16 A, 250 V AC; 10 A, 250 V AC • Live 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 • Size of cover plates: 55 mm x 55 mm			
Note	Section	Page	
• For extension claws, see ...	<i>Functions / Switching/ Pushbutton Control/ Dimming / Accessories and spare parts</i>	9/17	
• All socket outlets shown here can be combined with the frames of the DELTA line product range, see ...	<i>Design / DELTA line</i>	3/5	
• All rockers shown here can be combined with the frames of the DELTA miro product range, see ...	<i>Design / DELTA miro</i>	4/5	
SCHUKO® socket outlets			
Versions • Titanium white (similar to RAL 9010) - With claws - Without claws for hollow-wall mounting • Electrical white (RAL 1013) - With claws - Without claws for hollow-wall mounting • Aluminum metallic (similar to RAL 9006) • Carbon metallic (similar to RAL 7016) • Green (similar to RAL 6018) - Without labeling - For use with SV¹⁾ • Orange (similar to RAL 2004) - Without labeling - For use with ZSV²⁾ • Red (similar to RAL 3003) - Without labeling - For use with WSV³⁾			5UB1511 5UB1511-0KK 5UB1551 5UB1551-0KK 5UB1931 5UB1921 5UB1512 5UB1513 On request
Footnote			
¹⁾ SV: Safety power supply (AEV). ²⁾ ZSV: Additional safety power supply (BEV). ³⁾ WSV: Other safety power supply.			
SCHUKO® socket outlets with child protection			
Versions • Titanium white (similar to RAL 9010) - With claws - Without claws for hollow-wall mounting • Electrical white (RAL 1013) - With claws - Without claws for hollow-wall mounting • Aluminum metallic (similar to RAL 9006) • Carbon metallic (similar to RAL 7016) • Amber (similar to RAL 1036) • Piano black (similar to RAL 9005) • Chilly (similar to RAL 3020) • Green (similar to RAL 6018) - Without labeling - For use with SV¹⁾ • Orange (similar to RAL 2004) - Without labeling - For use with ZSV²⁾ • Red (similar to RAL 3003) - Without labeling - For use with WSV³⁾			5UB1518 5UB1518-0KK 5UB1558 5UB1558-0KK 5UB1934 5UB1924 5UB1924-0 5UB1924-1 5UB1924-2 5UB1520 5UB1521 5UB1522
Footnote			
¹⁾ SV: Safety power supply (AEV). ²⁾ ZSV: Additional safety power supply (BEV). ³⁾ WSV: Other safety power supply.			

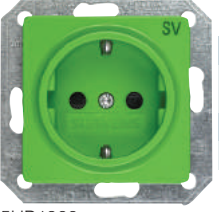


5UB1511



5UB1518

Socket outlets

Version		Order No.
	SCHUKO® socket outlets with "SV" imprint¹⁾ Green (similar to RAL 6018)	
	Note	Section Page
	Label sheets for marking the inserts, see ...	Accessories and spare parts 2/35
	Footnote	
5UB1910	¹⁾ SV: Safety power supply (AEV).	
	SCHUKO® socket outlets with "SV" imprint¹⁾ and child protection Green (similar to RAL 6018)	
	Note	Section Page
	Label sheets for marking the inserts, see ...	Accessories and spare parts 2/35
	Footnote	
5UB1900	¹⁾ SV: Safety power supply (AEV).	
	SCHUKO® socket outlets with "ZSV" imprint¹⁾ Orange (similar to RAL 2004)	
	Note	Section Page
	Label sheets for marking the inserts, see ...	Accessories and spare parts 2/35
	Footnote	
5UB1911	¹⁾ SV: Safety power supply (AEV).	
	SCHUKO® socket outlets with "ZSV" imprint¹⁾ and child protection Orange (similar to RAL 2004)	
	Note	Section Page
	Label sheets for marking the inserts, see ...	Accessories and spare parts 2/35
	Footnote	
5UB1901	¹⁾ SV: Safety power supply (AEV).	
	SCHUKO® socket outlets, with labeling field	
	Versions • 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) - Without labeling - For use with SV¹⁾ • Orange (similar to RAL 2004) - Without labeling - For use with ZSV²⁾ • Red (similar to RAL 3003) - Without labeling - For use with WSV³⁾	
	Note	Section Page
	Label sheets for marking the inserts, see ...	Accessories and spare parts 2/35
5UB1515	Footnote ¹⁾ SV: Safety power supply (AEV). ²⁾ ZSV: Additional safety power supply (BEV). ³⁾ WSV: Other safety power supply.	

Version			Order No.
 5UB1560	SCHUKO® socket outlets, with status display and labeling field		
	Versions		
	• 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) - Without labeling - For use with SV¹⁾ • Orange (similar to RAL 2004) - Without labeling - For use with ZSV²⁾		5UB1560 5UB1561 5UB1935 5UB1925 5UB1562 5UB1563
	Note	Section	Page
	• Spare glow lamp, for SCHUKO® socket outlet with status display 5TG7304, see ... • Labelsheets, formarkingtheinserts, see ... • For Technical specifications, see ...	Accessories and spare parts dto. Technical Information / Socket Outlets / SCHUKO® socket outlets, with status display	2/36 2/35 16/12
Footnote			
¹⁾ SV: Safety power supply (AEV).			
²⁾ ZSV: Additional safety power supply (BEV).			
 5UH1310	Conversion kits, status display		
	• 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) • Electrical white (RAL 1013)		5UH1310 5UH1311
	Note	Section	Page
For Technical specifications, see ...	Technical Information / Socket Outlets / SCHUKO® socket outlets, with status display	16/12	
 5UB1523	SCHUKO® socket outlets, with child protection, and labeling field		
	Versions		
	• Titanium white (similar to RAL 9010) • Electrical white (RAL 1013) • Aluminum metallic (similar to RAL 9006) • Carbon metallic (similar to RAL 7016)		5UB1523 5UB1552 5UB1940 5UB1943
	Note	Section	Page
	• For label sheets for marking inserts, see ...	Accessories and spare parts	2/35
 5UB1524	SCHUKO® socket outlets, with child protection, labeling field and function indicator		
	Versions		
	• Titanium white (similar to RAL 9010) • Electrical white (RAL 1013) • Aluminum metallic (similar to RAL 9006) • Carbon metallic (similar to RAL 7016)		5UB1524 5UB1553 5UB1941 5UB1944

Socket outlets

Version		Order No.								
 5UB1525	SCHUKO® socket outlets, with child protection, labeling field, function indicators and overvoltage protection									
	Versions • Titanium white (similar to RAL 9010) • Electrical white (RAL 1013) • Aluminum metallic (similar to RAL 9006) • Carbon metallic (similar to RAL 7016)	5UB1525 5UB1556 5UB1942 5UB1945								
	<table border="1"> <thead> <tr> <th>Note</th><th>Section</th><th>Page</th></tr> </thead> <tbody> <tr> <td>• Spare overvoltage protection module 5UH1300, see ...</td><td>Accessories and spare parts</td><td>2/36</td></tr> <tr> <td>• For Technical specifications, see ...</td><td>Technical Information / Socket Outlets / SCHUKO® socket outlets, with overvoltage protection</td><td>16/12</td></tr> </tbody> </table>	Note	Section	Page	• Spare overvoltage protection module 5UH1300, see ...	Accessories and spare parts	2/36	• For Technical specifications, see ...	Technical Information / Socket Outlets / SCHUKO® socket outlets, with overvoltage protection	16/12
Note	Section	Page								
• Spare overvoltage protection module 5UH1300, see ...	Accessories and spare parts	2/36								
• For Technical specifications, see ...	Technical Information / Socket Outlets / SCHUKO® socket outlets, with overvoltage protection	16/12								
 5UB1564	SCHUKO® socket outlets, with overvoltage protection, function displays and labeling field									
	Versions • Titanium white (similar to RAL 9010) • Electrical white (RAL 1013) • Aluminum metallic (similar to RAL 9006) • Carbon metallic (similar to RAL 7016)	5UB1564 5UB1565 5UB1936 5UB1926								
	<table border="1"> <thead> <tr> <th>Note</th><th>Section</th><th>Page</th></tr> </thead> <tbody> <tr> <td>• Spare overvoltage protection module 5UH1300, see ...</td><td>Accessories and spare parts</td><td>2/36</td></tr> <tr> <td>• For Technical specifications, see ...</td><td>Technical Information / Socket Outlets / SCHUKO® socket outlets, with overvoltage protection</td><td>16/12</td></tr> </tbody> </table>	Note	Section	Page	• Spare overvoltage protection module 5UH1300, see ...	Accessories and spare parts	2/36	• For Technical specifications, see ...	Technical Information / Socket Outlets / SCHUKO® socket outlets, with overvoltage protection	16/12
Note	Section	Page								
• Spare overvoltage protection module 5UH1300, see ...	Accessories and spare parts	2/36								
• For Technical specifications, see ...	Technical Information / Socket Outlets / SCHUKO® socket outlets, with overvoltage protection	16/12								
 5UH1340	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) • Electrical white (RAL 1013)	5UH1340 5UH1341								
	<table border="1"> <thead> <tr> <th>Note</th><th>Section</th><th>Page</th></tr> </thead> <tbody> <tr> <td>For Technical specifications, see ...</td><td>Technical Information / Socket Outlets / SCHUKO® socket outlets, with overvoltage protection</td><td>16/12</td></tr> </tbody> </table>	Note	Section	Page	For Technical specifications, see ...	Technical Information / Socket Outlets / SCHUKO® socket outlets, with overvoltage protection	16/12			
Note	Section	Page								
For Technical specifications, see ...	Technical Information / Socket Outlets / SCHUKO® socket outlets, with overvoltage protection	16/12								

Version		Order No.
 5UB1912	SCHUKO® socket outlets with hinged lid and child protection and labeling field	
	Versions • 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) - Without labeling - For use with SV¹⁾ • Orange (similar to RAL 2004) - Without labeling - For use with ZSV²⁾	5UB1912 5UB1902 5UB1932 5UB1922 5UB1913 5UB1914
	Note • Degree of protection IP44 for SCHUKO® socket outlets with hinged lid can be achieved using an IP44 seal, for socket outlets, see • Label sheets, for marking the inserts, see ...	2/35 2/35
	Footnote ¹⁾ SV: Safety power supply (AEV). ²⁾ ZSV: Additional safety power supply (BEV).	
 5UB1917	SCHUKO® socket outlets with hinged lid	
	Versions • Titanium white (similar to RAL 9010) • Electrical white (RAL 1013) • Aluminum metallic (similar to RAL 9006) • Carbon metallic (similar to RAL 7016)	5UB1917 5UB1907 5UB1937 5UB1927
	Note Degree of protection IP44 for SCHUKO® socket outlets with hinged lid can be achieved using an IP44 seal, for socket outlets, see ...	2/35 5TG4318
	Note Opening angle of the hinged lid, 150°	
 5UB1915	SCHUKO® socket outlets, with hinged lid and child protection	
	Versions • Titanium white (similar to RAL 9010) • Electrical white (RAL 1013) • Aluminum metallic (similar to RAL 9006) • Carbon metallic (similar to RAL 7016) • Chilly (similar to RAL 3020)	5UB1915 5UB1905 5UB1930 5UB1920 5UB1920-2
	Note Degree of protection IP44 for SCHUKO® socket outlets with hinged lid can be achieved using an IP44 seal, for socket outlets, see ...	2/35 5TG4318
	Note Opening angle of the hinged lid, 150°	
 5UH1081	Cover plates with hinged lid, child protection and labeling field For converting SCHUKO® socket outlets	
	Versions • Titanium white (similar to RAL 9010) • Electrical white (RAL 1013)	5UH1081 5UH1213

Socket outlets

	Version	Order No.			
	Cover plates with hinged lid For converting SCHUKO® socket outlets				
	Versions				
	• Titanium white (similar to RAL 9010) • Electrical white (RAL 1013)	5UH1204 5UH1205			
	Note Opening angle of the hinged lid, 150°				
5UH1204					
	SCHUKO® socket outlets with hinged lid and child protection and lock				
	Versions				
	• Titanium white (similar to RAL 9010) • Electrical white (RAL 1013)	5UB1916 5UB1906			
	Note	<table><tr><th>Section</th><th>Page</th></tr><tr><td>Degree of protection IP44 for SCHUKO® socket outlets with hinged lid can be achieved using an IP44 seal, for socket outlets, see ...</td><td>2/35</td></tr></table>	Section	Page	Degree of protection IP44 for SCHUKO® socket outlets with hinged lid can be achieved using an IP44 seal, for socket outlets, see ...
Section	Page				
Degree of protection IP44 for SCHUKO® socket outlets with hinged lid can be achieved using an IP44 seal, for socket outlets, see ...	2/35				
5UB1916					
	SCHUKO® socket outlets, 80 mm x 80 mm Complete assembly, therefore no additional frame necessary				
	Versions				
	• Titanium white (similar to RAL 9010) • Electrical white (RAL 1013)	5UB1580 5UB1581			
	Note DELTA line design				
5UB1580					
	SCHUKO® socket outlets, 80 mm x 80 mm, with child protection Complete assembly, therefore no additional frame necessary				
	Versions				
	• Titanium white (similar to RAL 9010) • Electrical white (RAL 1013)	5UB1582 5UB1583			
	Note DELTA line design				
5UB1582					
	Double SCHUKO®, with child protection				
	• Titanium white (similar to RAL 9010) • For device boxes with 60 mm Ø • 111 mm x 79 mm x 43 mm • Screw- and screwless terminals				
	Complete assembly, therefore no additional frame necessary				
	Versions				
• mit selbsttätiger Krallenrückführung • ohne selbsttätige Krallenrückführung		5UB2211-3 5UB2211-3KK			
5UB2211-3					
	Miro Double SCHUKO®, with child protection				
	• Titanium white (similar to RAL 9010) • For device boxes with 60 mm Ø • 125 mm x 81 mm x 41 mm • Screw- and screwless terminals				
	Complete assembly, therefore no additional frame necessary				
	Versions				
• Insert and frame with claws • Insert and frame without claws		5UB2213-3 5UB2213-3KK			
5UB2213-3					

	Version	Order No.	
 5UB2212-3	Miro Double Schuko[®], insert with child protection • 91 mm x 50 mm x 43 mm • Screw- and screwless terminals This insert can only be used with the Miro double schuko frames 125 mm x 81 mm		
	Versions • Titanium white (similar to RAL 9010) - with claws - without claws • Aluminium metallic (similar to RAL 9006) - with claws - without claws • Carbon metallic (similar to RAL 7016) - with claws - without claws	5UB2212-3 5UB2212-3KK 5UB2212-4 5UB2212-4KK 5UB2212-5 5UB2212-5KK	
	SCHUKO[®] socket outlets, with hinged lid made of die-cast aluminium • With flush-mounting socket • IP41 drip-proof • Base made of thermosetting plastic with two cable entries M20 • 95 mm x 95 mm x 56 mm • Light grey (RAL 7035)	5UB4650	
 5UB4650			

Selection and ordering data

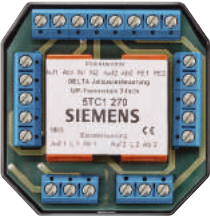
Version			Order No.
General information Size of cover plates: 55 mm x 55 mm			
Note	Section	Page	
• All rockers and cover plates shown here can be combined with the frames of the DELTA line product range, see ...	Design / DELTA line	3/5	
• All rockers and cover plates shown here can be combined with the frames of the DELTA miro product range, see ...	Design / DELTA miro	4/5	
Rockers, double, with Up/Down symbols			
			
Versions			5TG6214 5TG6284 5TG6254 5TG6234
• Titanium white (similar to RAL 9010)			
• Electrical white (RAL 1013)			
• Aluminum metallic (similar to RAL 9006)			
• Carbon metallic (similar to RAL 7016)			
Inserts			
• Shutter/blind switches, with electrical and mechanical interlock	Functions / Shutter/ blind controls	11/2	5TA2154
• Shutter/blind pushbuttons, with electrical interlock	dto.	11/2	5TA2114
Rockers, double, with labeling field			
			
Versions			5TG6212 5TG6282 5TG6252 5TG6232
• Titanium white (similar to RAL 9010)			
• Electrical white (RAL 1013)			
• Aluminum metallic (similar to RAL 9006)			
• Carbon metallic (similar to RAL 7016)			
Inserts			
• Shutter/blind switches, with electrical and mechanical interlock	Functions / Shutter/ blind controls	11/2	5TA2154
• Shutter/blind pushbuttons, with electrical interlock	dto.	11/2	5TA2114
Note			
5TG1137 sheet of pictographs, for double rocker with labeling field must be ordered separately, see ...	Accessories and spare parts	2/34	5TG1137
Shutter/blind key-operated switches for master-key systems, with Up/Down symbols			
			
• 10 A, ~250 V • Key can only be withdrawn in neutral position • 5TG4225 profile semicylinder (see below) must be ordered separately			
Titanium white versions (similar to RAL 9010)			
• 1-pole, changeover contact with neutral position - Momentary-contact and maintained-contact position to left and right - Momentary-contact position to left and right - Maintained-contact position to left and right			5TA7664 5TA7666 5TA7668
• 2-pole, changeover contact with neutral position - Momentary-contact and maintained-contact position to left and right - Momentary-contact position on both sides			5TA7665 5TA7667
• 2-pole, changeover contact without neutral position - Maintained-contact position to left and right,			5TA7670
Electrical white versions (RAL 1013)			
• 1-pole, changeover contact with neutral position - Momentary-contact and maintained-contact position to left and right - Momentary-contact position to left and right - Maintained-contact position to left and right			5TA7675 5TA7677 5TA7680
• 2-pole, changeover contact with neutral position - Momentary-contact and maintained-contact position to left and right - Momentary-contact position to left and right			5TA7676 5TA7678
• 2-pole, changeover contact without neutral position - Maintained-contact position to left and right			5TA7681
Note	Section	Page	
For Technical specifications, see ...	Technical Information / Shutter/Blind Controls / Shutter/blind key-operated switches, for master-key systems	16/53	

Shutter/blind controls

Version		Order No.
	Profile semicylinders for "shutter/blind key-operated switches for master-key systems" • CES product • With three keys of • Identical key type	5TG4225
	5TG4225	
	Shutter/blind key-operated switches with Up/Down symbols • With safety lock and 2 keys • 10 A, ~250 V • 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	5TA7662 5TA7673
	5TA7662	
Versions		
• Titanium white (similar to RAL 9010) • Electrical white (RAL 1013)		
Note	Section	Page
For Technical specifications, see ...	Technical Information / Shutter/Blind Controls / Shutter/blind key-operated switches	16/52
	Shutter/blind knob-operated switches with Up/Down symbols • 10 A, ~250 V • Momentary-contact and maintained-contact position to left and right and neutral position • Changeover contact with neutral position	5TA7660 5TA7661
	5TA7660	
Versions		
• Titanium white (similar to RAL 9010) - 1-pole - 2-pole • Electrical white (RAL 1013) - 1-pole - 2-pole		5TA7671 5TA7672
Note	Section	Page
For Technical specifications, see ...	Technical Information / Shutter/Blind Controls / Shutter/blind knob-operated switches	16/52
	Shutter/blind knob-operated switches, with "Down/Up" label • 10 A, ~250 V • 1-pole (changeover contact with neutral position) • Momentary-contact position to left and right and neutral position	5TA7663 5TA7674
	5TA7663	
Versions		
• Titanium white (similar to RAL 9010) • Electrical white (RAL 1013)		
Note	Section	Page
For Technical specifications, see ...	Technical Information / Shutter/Blind Controls / Shutter/blind knob-operated switches	16/52
	sys shutter/blind pushbuttons	5TC1321 5TC13210AM 5TC13210CM
	5TC1321	
Versions		
• Titanium white (similar to RAL 9010) • Aluminum metallic (similar to RAL 9006) • Carbon metallic (similar to RAL 7016)		
Inserts	Section	Page
sys shutter/blind control inserts	Functions / Shutter/ blind controls	11/3
Note	Abschnitt	Page
For a more detailed explanation of the sys shutter/blind pushbutton, see ...	Technical Information / Shutter/Blind Controls / General	16/50
For Technical specifications, see ...	Technical Information / Shutter/Blind Controls / sys shutter/blind push- buttons	16/54

Version		Order No.								
	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) • Electrical white (RAL 1013) • Aluminum metallic (similar to RAL 9006) • Carbon metallic (similar to RAL 7016)	5TC1520 5TC1532 5TC1522 5TC1524								
	<table><tr><th>Note</th><th>Section</th><th>Page</th></tr><tr><td>For Technical specifications, see ...</td><td><i>Technical Information / Shutter/ Blind Controls / Shutter/ blind controls</i></td><td>16/57</td></tr></table>	Note	Section	Page	For Technical specifications, see ...	<i>Technical Information / Shutter/ Blind Controls / Shutter/ blind controls</i>	16/57			
Note	Section	Page								
For Technical specifications, see ...	<i>Technical Information / Shutter/ Blind Controls / Shutter/ blind controls</i>	16/57								
	Comfort shutter/blind controls • For controlling a blind or shutter motor with mechanical or electronic limit switches and comprehensive functionality (see product features) • Menu-controlled operation by means of 4 control buttons									
	Versions • Titanium white (similar to RAL 9010) • Aluminum metallic (similar to RAL 9006) • Carbon metallic (similar to RAL 7016)	5TC1521 5TC1523 5TC1525								
	<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>2/35</td></tr><tr><td>• For Technical specifications, see ...</td><td><i>Technical Information / Shutter/Blind Controls / Comfort shutter/blind controls</i></td><td>16/58</td></tr></table>	Note	Section	Page	• The <i>sun sensor</i> must be ordered separately, see ...	<i>Accessories and spare parts</i>	2/35	• For Technical specifications, see ...	<i>Technical Information / Shutter/Blind Controls / Comfort shutter/blind controls</i>	16/58
Note	Section	Page								
• The <i>sun sensor</i> must be ordered separately, see ...	<i>Accessories and spare parts</i>	2/35								
• For Technical specifications, see ...	<i>Technical Information / Shutter/Blind Controls / Comfort shutter/blind controls</i>	16/58								
Note Download the operating and mounting instructions from: http://support.automation.siemens.com/ww/view/en/5tc1521/all										
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 terminals • 2 relays which are electrically 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 programming • 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 to daylight savings • 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.
 5TC1270	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) • The isolating relay is to be installed into 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 (AC-1) or 3 A (ind.), 230 V AC, 50 Hz • 58 mm x 59 mm x 22 mm	5TC1270	
Note	Section	Page	
For Technical specifications, see ...	<i>Technical Information / Shutter/Blind Controls / Shutter/blind control flush-mounting isolating relays</i>	16/62	
Note			
Download the operating and mounting instructions from: http://support.automation.siemens.com/ww/view/en/5tc1270/all			
 5TC1271	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 shutter/blind pushbutton • If cascaded, a motor can be connected to each compact isolating relay, which can also be individually controlled over a shutter/blind pushbutton • The isolating relay is to be installed into 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 (AC-1) or 3 A (ind.), 230 V AC, 50 Hz • 50 mm x 53 mm x 22 mm	5TC1271	
Note	Section	Page	
For Technical specifications, see ...	<i>Technical Information / Shutter/Blind Controls / Shutter/blind control flush-mounting isolating relays, compact</i>	16/63	
Note			
Download the operating and mounting instructions from: http://support.automation.siemens.com/ww/view/en/5tc1271/all			

Selection and ordering data

Version		Order No.						
General information • For stand-alone devices and combinations • For screw and claw fixing • Degree of protection: IP20 • Size of cover plates: 55 mm x 55 mm								
Note	<table><tr><th>Section</th><th>Page</th></tr><tr><td>• All cover plates for dimmers shown here can be combined with frames of the DELTA line product range, see ...</td><td><i>Design / DELTA line</i> 3/5</td></tr><tr><td>• All cover plates for dimmers shown here can be combined with frames of the DELTA miro product range, see ...</td><td><i>Design / DELTA miro</i> 4/5</td></tr></table>		Section	Page	• All cover plates for dimmers shown here can be combined with frames of the DELTA line product range, see ...	<i>Design / DELTA line</i> 3/5	• All cover plates for dimmers shown here can be combined with frames of the DELTA miro product range, see ...	<i>Design / DELTA miro</i> 4/5
Section	Page							
• All cover plates for dimmers shown here can be combined with frames of the DELTA line product range, see ...	<i>Design / DELTA line</i> 3/5							
• All cover plates for dimmers shown here can be combined with frames of the DELTA miro product range, see ...	<i>Design / DELTA miro</i> 4/5							
Note								
Download the operating and mounting instructions at: http://support.automation.siemens.com/WW/view/en/17738210/133300								

Rotary dimmers



5TC8900

Cover plates with rotary button, for dimmers

Symbol	Inserts	Section	Page	Order No.
	Versions • Titanium white (similar to RAL 9010) • Electrical white (RAL 1013) • Aluminum metallic (similar to RAL 9006) • Carbon metallic (similar to RAL 7016)			5TC8900 5TC8901 5TC8902 5TC8903
	Incandescent lamp dimmers, 50 ... 400 W	Functions / Switching/Pushbutton Control/Dimming	9/11	5TC8256
	Incandescent lamp dimmers, 50 ... 600 W, for two-way switching	dto.	9/11	5TC8257
	Low-voltage dimmers, for magnetic transformers, 50 ... 600 W, 25 ... 500 VA, for two-way switching	dto.	9/11	5TC8283
	Low-voltage dimmers, for electronic transformers, 20 ... 315 W, 20 ... 315 VA, for two-way switching	dto.	9/12	5TC8262
	Low voltage LED Dimmer 60W, for magnetic transformers 6 ... 120 W, for two-way switching	dto.	9/12	5TC8263
	Low-voltage dimmers, for electronic transformers, 20 ... 600 W, 20 ... 525 VA, for two-way switching	dto.	9/12	5TC8284
	Low-voltage dimmers, for electronic transformers, 60 ... 800 W, 60 ... 800 VA, for two-way switching	dto.	9/13	5TC8258
	Electronic potentiometers, switch	dto.	9/14	5TC8424
	Electronic potentiometers, pushbutton	dto.	9/15	5TC8425

Version

Order No.

Touch dimmers

5TC1301

R, L, C

Selection and ordering data

Version		Order No.																																		
General information • Size of tops: 55 mm x 55 mm • Degree of protection: IP20																																				
Note Download the operating and mounting instructions at: http://support.automation.siemens.com/WW/view/en/17738210/133300																																				
 5TC1503 (front view)	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 s • 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 mounting 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. <i>push-button</i>, 1 <i>NO contact</i>, 5TD2 120) • The sensitivity is infinitely adjustable between 20 and 100 %																																			
 5TC150 (rear view)	Versions • Mounting height 1.10 m - Titanium white (similar to RAL 9010) - Aluminum metallic (similar to RAL 9006) - Carbon metallic (similar to RAL 7016) • Mounting height 2.20 m - Titanium white (similar to RAL 9010) - Aluminum metallic (similar to RAL 9006) - Carbon metallic (similar to RAL 7016)	5TC1503 5TC15030AM 5TC15030CM																																		
	Inserts <table><tr><th></th><th>Section</th><th>Page</th></tr><tr><td>• <i>Motion detector relay inserts</i></td><td><i>Functions / Motion Detectors</i></td><td>10/2</td></tr><tr><td>• <i>Motion detector triac inserts</i></td><td><i>dto.</i></td><td>10/2</td></tr><tr><td>• <i>Motion detector extension unit inserts</i></td><td><i>dto.</i></td><td>10/3</td></tr></table>		Section	Page	• <i>Motion detector relay inserts</i>	<i>Functions / Motion Detectors</i>	10/2	• <i>Motion detector triac inserts</i>	<i>dto.</i>	10/2	• <i>Motion detector extension unit inserts</i>	<i>dto.</i>	10/3	5TC1500 5TC1501 5TC1502																						
	Section	Page																																		
• <i>Motion detector relay inserts</i>	<i>Functions / Motion Detectors</i>	10/2																																		
• <i>Motion detector triac inserts</i>	<i>dto.</i>	10/2																																		
• <i>Motion detector extension unit inserts</i>	<i>dto.</i>	10/3																																		
	Technical specifications <table><tr><td>• Sensing angle</td><td>Approx. 180°</td></tr><tr><td>• Mounting height</td><td>1.10 m/2.20 m (depending on the version)</td></tr><tr><td>• Sensing field</td><td></td></tr><tr><td>- 1.10 m lens</td><td>approx. 12 m x 12 m</td></tr><tr><td>- 2.20 m lens</td><td>approx. 12 m x 12 m</td></tr><tr><td>• Number of lenses/ lens levels</td><td></td></tr><tr><td>- 1.10 m lens</td><td>18 / 2</td></tr><tr><td>- 2.20 m lens</td><td>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 / day mode</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</td><td>Max. 10</td></tr><tr><td>- Mechanical pushbuttons (without glow lamps)</td><td>Unlimited</td></tr></table>	• Sensing angle	Approx. 180°	• Mounting height	1.10 m/2.20 m (depending on the version)	• Sensing field		- 1.10 m lens	approx. 12 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 / day mode	• 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	
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• Brightness threshold value	Approx. 0 ... 80 lux / day mode																																			
• 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																																			

Motion detectors

Version		Order No.																																		
	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 auto-matic position • The delay time can be infinitely adjusted between 10 s and 30 min																																			
5TC1505 (front view)	Versions • Mounting 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) • Mounting height 2.20 m - Titanium white (similar to RAL 9010) - Aluminum metallic (similar to RAL 9006) - Carbon metallic (similar to RAL 7016)	5TC1505 5TC1530 5TC15050AM 5TC15050CM																																		
	5TC150. (rear view)																																			
	<table><tr><th>Inserts</th><th>Section</th><th>Page</th></tr><tr><td>• Motion detector relay inserts</td><td>Functions / Motion Detectors</td><td>10/2</td></tr><tr><td>• Motion detector triac inserts</td><td>dto.</td><td>10/2</td></tr><tr><td>• Motion detector extension unit inserts</td><td>dto.</td><td>10/3</td></tr></table>	Inserts	Section	Page	• Motion detector relay inserts	Functions / Motion Detectors	10/2	• Motion detector triac inserts	dto.	10/2	• Motion detector extension unit inserts	dto.	10/3	5TC1500 5TC1501 5TC1502																						
Inserts	Section	Page																																		
• Motion detector relay inserts	Functions / Motion Detectors	10/2																																		
• Motion detector triac inserts	dto.	10/2																																		
• Motion detector extension unit inserts	dto.	10/3																																		
	Technical specifications <table><tr><td>• Sensing angle</td><td>Approx. 180°</td></tr><tr><td>• Mounting height</td><td>1.10 m / 2.20 m (depending on the version)</td></tr><tr><td>• Sensing field</td><td></td></tr><tr><td>- 1.10 m lens</td><td>approx. 12 m x 12 m</td></tr><tr><td>- 2.20 m lens</td><td>approx. 12 m x 12 m</td></tr><tr><td>• Number of lenses/ lens levels</td><td></td></tr><tr><td>- 1.10 m lens</td><td>18 / 2</td></tr><tr><td>- 2.20 m lens</td><td>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</td><td>Approx. 10 s ... 30 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 / day mode</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</td><td>Max. 10</td></tr><tr><td>- Mechanical pushbuttons (without glow lamps)</td><td>Unlimited</td></tr></table>	• Sensing angle	Approx. 180°	• Mounting height	1.10 m / 2.20 m (depending on the version)	• Sensing field		- 1.10 m lens	approx. 12 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 / day mode	• 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	
• Sensing angle	Approx. 180°																																			
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• Number of extension units at the flush-mounting insert																																				
- Motion detector extension units	Max. 10																																			
- Mechanical pushbuttons (without glow lamps)	Unlimited																																			

Selection and ordering data

Version		Order No.									
	General information • For stand-alone devices and combinations • For screw fixing • Degree of protection: IP20 • Size of cover plates: 55 mm x 55 mm										
	Note Download the operating and mounting instructions at: http://support.automation.siemens.com/WW/view/en/17738210/133300										
	Cover plates for room temperature controllers, NC/CO										
	Versions • Titanium white (similar to RAL 9010) • Electrical white (RAL 1013) • Aluminum metallic (similar to RAL 9006)	5TC9221 5TC9220 5TC9250									
	<table><tr><th>Inserts</th><th>Section</th><th>Page</th></tr><tr><td>• Room temperature controllers, 1 NC contact</td><td>Functions / Room Temperature Controllers</td><td>12/2</td></tr><tr><td>• Room temperature controllers, 1 CO contact</td><td>dto.</td><td>12/2</td></tr></table>	Inserts	Section	Page	• Room temperature controllers, 1 NC contact	Functions / Room Temperature Controllers	12/2	• Room temperature controllers, 1 CO contact	dto.	12/2	5TC9200 5TC9201
Inserts	Section	Page									
• Room temperature controllers, 1 NC contact	Functions / Room Temperature Controllers	12/2									
• Room temperature controllers, 1 CO contact	dto.	12/2									
	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)	5TC9223									
	<table><tr><th>Inserts</th><th>Section</th><th>Page</th></tr><tr><td>Room temperature controllers, 3-position switch</td><td>Functions / Room Temperature Controllers</td><td>12/2</td></tr></table>	Inserts	Section	Page	Room temperature controllers, 3-position switch	Functions / Room Temperature Controllers	12/2	5TC9202			
Inserts	Section	Page									
Room temperature controllers, 3-position switch	Functions / Room Temperature Controllers	12/2									
	Cover plates for room temperature controllers, direct floor heating										
	Versions • Titanium white (similar to RAL 9010)	5TC9225									
	<table><tr><th>Inserts</th><th>Section</th><th>Page</th></tr><tr><td>Room temperature controllers, direct floor heating</td><td>Functions / Room Temperature Controllers</td><td>12/3</td></tr></table>	Inserts	Section	Page	Room temperature controllers, direct floor heating	Functions / Room Temperature Controllers	12/3	5TC9203			
Inserts	Section	Page									
Room temperature controllers, direct floor heating	Functions / Room Temperature Controllers	12/3									

Selection and ordering data

Version			Order No.
General information - Degree of protection: IP20 - Size of cover plates: 55 mm x 55 mm			
 5TG2563-2	Cover plates for TAE outlet boxes and loudspeaker outlet boxes		
	Versions - Titanium white (similar to RAL 9010) - Electrical white (RAL 1013) - Aluminum metallic (similar to RAL 9006) - Carbon metallic (similar to RAL 7016)		5TG2563-2 5TG2593-2 5TG1256-2 5TG1226-2
	Inserts - Loudspeaker outlet boxes, single - Loudspeaker outlet boxes, double - HDMI-Connector with claws, white - HDMI-Connector with claws, grey - VGA-Connector with claws, white - VGA-Connector with claws, grey - USB-Connector with claws, white - USB-Connector with claws, grey - USB-Double USB-charger	Section <i>Functions / Data and Communication Systems</i> dto. dto. dto. dto. dto. dto. dto.	Page 13/8 13/8 13/7 13/7 13/7 13/7 13/7 13/7 13/7
	Footnote 1) Version for Austria on request.		5TG2467-2 5TG2468-2 5TG2020-0 5TG2020-1 5TG2021-0 5TG2021-1 5TG2022-0 5TG2022-1 5TG2025-0
 5TG1210	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) - Electrical white (RAL 1013) - Aluminum metallic (similar to RAL 9006) - Carbon metallic (similar to RAL 7016)		5TG1210 5TG1207 5TG1260 5TG1230
 5TG1211	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) - Electrical white (RAL 1013) - Aluminum metallic (similar to RAL 9006) - Carbon metallic (similar to RAL 7016)		5TG1211 5TG1208 5TG1261 5TG1231

Version			Order No.
	Cover plates for UAE outlet boxes • For inserts from Rutenbeck (Cat.3, Cat.5 and Cat.6) • 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) • Electrical white (RAL 1013) • Aluminum metallic (similar to RAL 9006) • Carbon metallic (similar to RAL 7016)		
	5TG2545 5TG2543 5TG1257 5TG1227		
	Inserts	Section	Page
	• UAE outlet boxes, Cat.3, Rutenbeck - 1 x 8-pole - 2 x 8-pole (8/8) • UAE outlet boxes, Cat.6e - 1X8 POL STP RJ45 - 2X8POL STP RJ45 • UAE outlet boxes, real Cat.6a, Rutenbeck - 1X8POL UTP RJ45 - 2X8POL UTP RJ45	<i>Functions / Data and Communication Systems dto.</i> <i>dto. dto.</i> <i>dto. dto.</i>	<i>13/2</i> <i>13/2</i> <i>13/3</i> <i>13/3</i> <i>13/3</i> <i>13/3</i>
Note The cover plate for the UAE outlet box can be combined with inserts AMJ45 and UMJ45 Up 0 (without central plate) from Telegärtner			
	Cover plates for UAE outlet boxes, with labeling field • For inserts from Rutenbeck (Cat.3, Cat.5 and Cat.6) • 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) • Electrical white (RAL 1013) • Aluminum metallic (similar to RAL 9006) • Carbon metallic (similar to RAL 7016)		
	5TG2546 5TG2544 5TG1258 5TG1228		
	Inserts	Section	Page
	• UAE outlet boxes, Cat.3, Rutenbeck - 1 x 8-pole - 2 x 8-pole (8/8) • UAE outlet boxes, Cat.6e - 1X8 POL STP RJ45 - 2X8POL STP RJ45 • UAE outlet boxes, real Cat.6a, Rutenbeck - 1X8POL UTP RJ45 - 2X8POL UTP RJ45	<i>Functions / Data and Communication Systems dto.</i> <i>dto. dto.</i> <i>dto. dto.</i>	<i>13/2</i> <i>13/2</i> <i>13/3</i> <i>13/3</i> <i>13/3</i> <i>13/3</i>
Note • The cover plate for the UAE outlet box can be combined with inserts AMJ45 and UMJ45 Up 0 (without central plate) from Telegärtner			

Version			Order No.
	Cover plates, for Modular Jack support plate • Cover plates with shutter • For Modular Jack support plates		5TG2056 5TG2057 5TG2124 5TG2125
	Versions		
	• Titanium white (similar to RAL 9010) • Electrical white (RAL 1013) • Aluminum metallic (similar to RAL 9006) • Carbon metallic (similar to RAL 7016)		
5TG2056	Inserts	Section	Page
	Modular Jack support plates		
	• Red inserts	Functions / Data and Communication Systems	13/3
	• Black inserts	dto.	13/3
	• Yellow inserts	dto.	13/4
	• Orange inserts	dto.	13/4
	• Blue inserts	dto.	13/4
	• Brown inserts	dto.	13/5
	• Green inserts	dto.	13/5
	• Transparent inserts	dto.	13/5
	• White inserts	dto.	13/5
	• Grey inserts	dto.	13/6
	• Silver inserts	dto.	13/6
• Beige inserts	dto.	13/6	
	Cover plates with BNC connection, double • With socket contacts • 75 Ω • For screw and claw fixing • Crimp connection		5TG2078 5TG2080 5TG2081 5TG2082 5TG2083 5TG2084 5TG2058 5TG2058-1 5TG2058-2 5TG2058-3 5TG2058-4 5TG2098
	Versions		
	• Titanium white (similar to RAL 9010) • Electrical white (RAL 1013)		
5TG2068			5TG2068 5TG2067

5TG2068

Selection and ordering data

Version		Order No.
General information - Degree of protection: IP20 - Size of cover plates: 55 mm x 55 mm		
	Cover plates for TV/RF/SAT connection, 2-hole version	
	Versions - Titanium white (similar to RAL 9010) - Electrical white (RAL 1013) - Aluminum metallic (similar to RAL 9006) - Carbon metallic (similar to RAL 7016)	
	5TG2561 5TG2591 5TG1253 5TG1223	
	Inserts - Aerial branch-circuit boxes - Aerial through-way boxes/terminal boxes	Section <i>Functions / Data and Communication Systems</i> <i>dto.</i>
	Page 13/2 13/2	5TG2485 5TG2484
	Cover plates for TV/RF/SAT connection, 3-hole version	
	Versions - Titanium white (similar to RAL 9010) - Electrical white (RAL 1013) - Aluminum metallic (similar to RAL 9006) - Carbon metallic (similar to RAL 7016)	
5TG2548-2 5TG2528-2 5TG1252-2 5TG1222-2		
	Cover plate, for TV/RF/SAT connection, 4-hole version, symmetrical - With double SAT connection - For 4-hole antenna sockets, such as those from Hirschman	
	Versions - Titanium white (similar to RAL 9010) - Electrical white (RAL 1013)	
5TG2565 5TG2595		
	Cover plate, for TV/RF/SAT connection, 4-hole version, unsymmetrical - With double SAT connection - For 4-hole antenna sockets, such as those from Ankaro or Astro	
	Versions - Titanium white (similar to RAL 9010) - Electrical white (RAL 1013)	
5TG2565-1 5TG2595-1		

Equipotential bonding

Selection and ordering data

Version		Order No.
	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 terminals	
	Versions	
	• Titanium white (similar to RAL 9010) • Electrical white (RAL 1013)	5TG2564 5TG2594
	Note	
	With angled connector according to DIN 42801.	

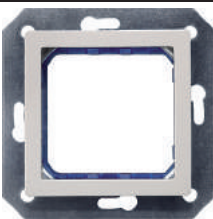
5TG2564

5TG2564

5TG2564
5TG2594

Module carriers for DELTA line and DELTA miro

Selection and ordering data

Version			Order No.	
	Module carriers, 1M • For holding one m-system module • For screw fixing		5TG2008 5TG2094 5TG2096	
	Versions • Titanium white (similar to RAL 9010) • Aluminum metallic (similar to RAL 9006) • Carbon metallic (similar to RAL 7016)			
	Note	Section		Page (ff.)
	For module inserts, see ...			Design / m-system / Modules for communication Design / m-system / Other modules
5TG2008				
	Module carriers, 2M • For holding two m-system modules • For screw fixing		5TG2010 5TG2095 5TG2097	
	Versions • Titanium white (similar to RAL 9010) • Aluminum metallic (similar to RAL 9006) • Carbon metallic (similar to RAL 7016)			
	Note	Section		Page (ff.)
	For module inserts, see ...			Design / m-system / Modules for communication Design / m-system / Other modules
5TG2010				

5TG2008

5TG2008
5TG2094
5TG2096

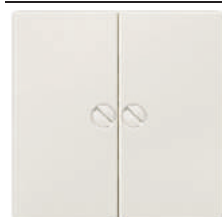
5TG2010

5TG2010
5TG2095
5TG2097

5TG6261



5TG6260

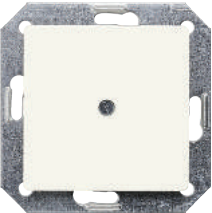


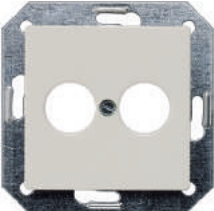
5TG6265



5TG6266

Selection and ordering data

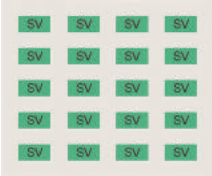
Version		Order No.															
General information • For screw and claw fixing • Degree of protection: IP20 • Size of cover plates: 55 mm x 55 mm																	
	Blanking cover plates Including supporting frame Versions • Titanium white (RAL 9010) • Electrical white (RAL 1013) • Aluminum metallic (similar to RAL 9006) • Carbon metallic (similar to RAL 7016)	5TG2558 5TG2588 5TG1250 5TG1220															
	5TG2558																
	Outlet plates Including supporting frame with strain relief Versions • Titanium white (RAL 9010) • Electrical white (RAL 1013) • Aluminum metallic (similar to RAL 9006) • Carbon metallic (similar to RAL 7016)	5TG2566 5TG2596 5TG1251 5TG1221															
	5TG2566																
	LED light signals • Supply voltage 90 ... 240 V AC, 50/60Hz • Power consumption: 1 W • Can be fitted horizontally or vertically • Opaque-white Versions • White, illuminated • Blue, illuminated • Red, illuminated • Green, illuminated	5TG9880-3 5TG9880-4 5TG9880-5 5TG9880-6															
	5TG9880-3																
<table border="1"> <thead> <tr> <th>Notes</th><th>Abschnitt</th><th>Seite</th></tr> </thead> <tbody> <tr> <td>• For module carriers for DELTA line and DELTA miro, see ...</td><td><i>Design / m-system / Module carriers for DELTA line and DELTA miro</i></td><td>7/4</td></tr> <tr> <td>• Module carriers for DELTA profil, see ...</td><td><i>Design / m-system / Module carriers for the DELTA profil</i></td><td>7/5</td></tr> <tr> <td>• For module carriers for DELTA style, see ...</td><td><i>Design / m-system / Module carriers for DELTA style</i></td><td>7/5</td></tr> <tr> <td>• For Technical specifications, see ...</td><td><i>Technical information / m-system / LED light signals</i></td><td>16/70</td></tr> </tbody> </table>		Notes	Abschnitt	Seite	• For module carriers for DELTA line and DELTA miro, see ...	<i>Design / m-system / Module carriers for DELTA line and DELTA miro</i>	7/4	• Module carriers for DELTA profil, see ...	<i>Design / m-system / Module carriers for the DELTA profil</i>	7/5	• For module carriers for DELTA style, see ...	<i>Design / m-system / Module carriers for DELTA style</i>	7/5	• For Technical specifications, see ...	<i>Technical information / m-system / LED light signals</i>	16/70	
Notes	Abschnitt	Seite															
• For module carriers for DELTA line and DELTA miro, see ...	<i>Design / m-system / Module carriers for DELTA line and DELTA miro</i>	7/4															
• Module carriers for DELTA profil, see ...	<i>Design / m-system / Module carriers for the DELTA profil</i>	7/5															
• For module carriers for DELTA style, see ...	<i>Design / m-system / Module carriers for DELTA style</i>	7/5															
• For Technical specifications, see ...	<i>Technical information / m-system / LED light signals</i>	16/70															
	Cover plates for flush-mounting control devices For screw fixing Versions • Titanium white (similar to RAL 9010) - For 18.5mm Ø - For 22.5 mm Ø (DIN 43696) • Electrical white (RAL 1013) - For 18.5mm Ø - For 22.5 mm Ø (DIN 43696)	5TG2567 5TG2568 5TG2597 5TG2598															
	5TG2567																
<table border="1"> <thead> <tr> <th>Note</th><th>Section</th><th>Page</th></tr> </thead> <tbody> <tr> <td>EMERGENCY-STOP pushbutton, see ...</td><td><i>Automation Technology / Industrial Switchgear / Control and Signaling Devices / Pushbuttons and LEDs</i></td><td>--</td></tr> </tbody> </table>		Note	Section	Page	EMERGENCY-STOP pushbutton, see ...	<i>Automation Technology / Industrial Switchgear / Control and Signaling Devices / Pushbuttons and LEDs</i>	--										
Note	Section	Page															
EMERGENCY-STOP pushbutton, see ...	<i>Automation Technology / Industrial Switchgear / Control and Signaling Devices / Pushbuttons and LEDs</i>	--															

	Version	Order No.	
	Cover plates for subminiature connectors • Acc. to DIN 41524/41529 • Acc. to DIN 45322/45325/45326/45327/45328/45329		
	Versions • Titanium white (RAL 9010) • Electrical white (RAL 1013)	5TG2577 5TG2547	
5TG2577			
	Time switches • 250 V AC/16 A • 2-pole switched • For screw fixing • Runtime: 15 min		
	Versions • Titanium white (RAL 9010) • Electrical white (RAL 1013)	5TT1011 5TT1012	
5TT1011			
	Volume control • 3 W, 27 Ω, mono • For loudspeaker systems		
	Versions • Titanium white (RAL 9010) • Electrical white (RAL 1013)	5TG4815 5TG4823	
5TG4815			

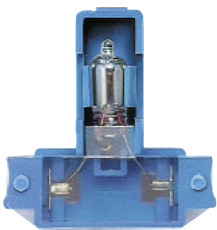
Selection and ordering data

Version		Order No.																								
Accessories for rockers																										
	Sheets of pictographs, for single rockers with labeling field	5TG1136																								
5TG1136																										
	Sheets of pictographs, for double rockers with labeling field	5TG1137																								
5TG1137																										
	Labeling field inserts "Heating Emergency Switch" (inscription in German) for rockers with labeling field	5TG1138																								
5TG1138																										
	IP44 sets of seals for rockers • For single or double rockers • One set contains four insert seals	5TG4324																								
5TG4324																										
	LED light inserts, for switch and pushbutton inserts For all rockers with windows																									
5TG7315	<table><tr><th>Fluorescent color</th><th>Rated voltage</th><th>Power consumption in mA</th></tr><tr><td rowspan="4">• Red</td><td>8 V AC</td><td>2</td></tr><tr><td>12 V AC</td><td>2</td></tr><tr><td>24 V AC</td><td>2</td></tr><tr><td>230 V AC</td><td>1</td></tr><tr><td rowspan="2">• Orange</td><td>230 V AC</td><td>0.9</td></tr><tr><td>- Normal</td><td>230 V AC</td><td>1.0</td></tr><tr><td rowspan="2">• White</td><td>230 V AC</td><td>1.1</td></tr><tr><td>• Blue</td><td>230 V AC</td><td>1.1</td></tr></table>	Fluorescent color	Rated voltage	Power consumption in mA	• Red	8 V AC	2	12 V AC	2	24 V AC	2	230 V AC	1	• Orange	230 V AC	0.9	- Normal	230 V AC	1.0	• White	230 V AC	1.1	• Blue	230 V AC	1.1	5TG7315 5TG7316 5TG7317 5TG7353
	Fluorescent color	Rated voltage	Power consumption in mA																							
	• Red	8 V AC	2																							
		12 V AC	2																							
		24 V AC	2																							
		230 V AC	1																							
	• Orange	230 V AC	0.9																							
		- Normal	230 V AC	1.0																						
	• White	230 V AC	1.1																							
		• Blue	230 V AC	1.1																						
<table><tr><td colspan="3">Note</td></tr><tr><td colspan="3">• The LED light inserts cannot be used in all rocker color versions, since the rocker might be fitted with a colored window already.</td></tr><tr><td colspan="3">• If using the LED light inserts together with energy-saving lamps or lights with conventional primary switching device, the LED may flicker slightly.</td></tr></table>	Note			• The LED light inserts cannot be used in all rocker color versions, since the rocker might be fitted with a colored window already.			• If using the LED light inserts together with energy-saving lamps or lights with conventional primary switching device, the LED may flicker slightly.			5TG7333 5TG7343 5TG7354 5TG7355																
Note																										
• The LED light inserts cannot be used in all rocker color versions, since the rocker might be fitted with a colored window already.																										
• If using the LED light inserts together with energy-saving lamps or lights with conventional primary switching device, the LED may flicker slightly.																										
	Glow lamps for switch and pushbutton inserts 230 V AC																									
5TG7321	<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></table>	Luminosity	Power consumption	Base color	Weak	0.18 mA	White	5TG7321																		
	Luminosity	Power consumption	Base color																							
Weak	0.18 mA	White																								

Accessories and spare parts

Version		Order No.					
Accessories for socket outlets							
	IP44 seals, for socket outlets - For SCHUKO® socket outlet with hinge switch 1 set contains a single seal	5TG4318					
	5TG4318						
	Label sheets "SV" - For marking the inserts 1 sheet contains 20 self-adhesive labels	5UH1084					
	5UH1084						
	Label sheets "ZSV" - For marking the inserts 1 sheet contains 20 self-adhesive labels	5UH1085					
	5UH1085						
	Label sheets "WSV" - For marking the inserts 1 sheet contains 20 self-adhesive labels	5UH1086					
	5UH1086						
Accessories for dimmers							
	Spare fuses 250 V						
	Versions - T 1.6 H 250 V - For incandescent lamp dimmers, 50 ... 400 W (5TC8256) - For sensor dimmers, with/without memory function, 20 ... 400 W (5TC8240/5TC8232) - T 2.5 H 250 V - For incandescent lamp dimmers, 50 ... 600 W (5TC8257) - T 4 H 250 V - For low-voltage dimmers for magnetic transformers (5TC8283) - For electronic potentiometers (5TC8424 and 5TC8420) - For speed regulating rheostats (5TC8604)	5TG8302 5TG8305 5TG8330					
5TG8302							
Accessories for shutter/blind controls							
	Sun sensors - With 2-m connecting cable (extendable to 10 m with J-Y(St)Y 2 x 2 x 0.6 mm) - In combination with the <i>Comfort shutter/blind control</i>, the sun sensor can be used for sun protection and twilight functions	5TC1526					
	<table> <tr> <th>Note</th><th>Section</th><th>Page</th></tr> <tr> <td>For Technical specifications, see ...</td><td>Technical Information / Shutter/Blind Controls / Comfort shutter/blind controls</td><td>16/58</td></tr> </table>	Note	Section	Page	For Technical specifications, see ...	Technical Information / Shutter/Blind Controls / Comfort shutter/blind controls	16/58
Note	Section	Page					
For Technical specifications, see ...	Technical Information / Shutter/Blind Controls / Comfort shutter/blind controls	16/58					
5TC1526							

Accessories and spare parts

Version		Order No.						
Spare parts								
	Spare glow lamps for light signals 250 V AC	5TG7301						
5TG7301								
	Spare glow lamps for SCHUKO® socket outlets with status display 1.5 mA, 230 V AC/50 Hz	5TG7304						
5TG7304								
	Spare overvoltage protection modules For SCHUKO® socket outlets with overvoltage protection	5UH1300						
5UH1300								
<table><tr><th>Note</th><th>Section</th><th>Page</th></tr><tr><td>For Technical specifications, see ...</td><td>Technical Information / Socket Outlets / SCHUKO® socket outlets, with overvoltage protection</td><td>16/12</td></tr></table>		Note	Section	Page	For Technical specifications, see ...	Technical Information / Socket Outlets / SCHUKO® socket outlets, with overvoltage protection	16/12	
Note	Section	Page						
For Technical specifications, see ...	Technical Information / Socket Outlets / SCHUKO® socket outlets, with overvoltage protection	16/12						
	Spare window sets for light signals and for switch and pushbutton inserts 1 set contains two glass clear, two red and two white spare windows	5TG4200						
5TG4200								



3/2	Introduction
3/5	Frames
3/6	Socket outlets
3/7	Surface-mounting enclosures
3/8	Accessories and spare parts

Overview

Colors and designs of the DELTA line product range



Titanium white



Electrical white

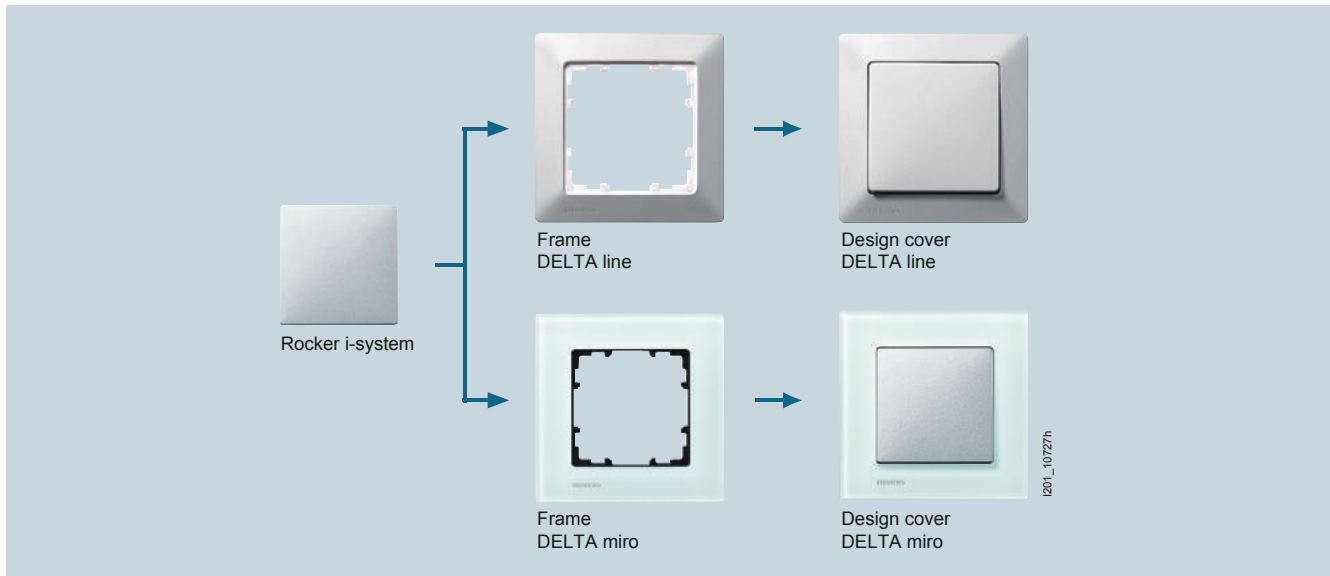


Aluminum metallic



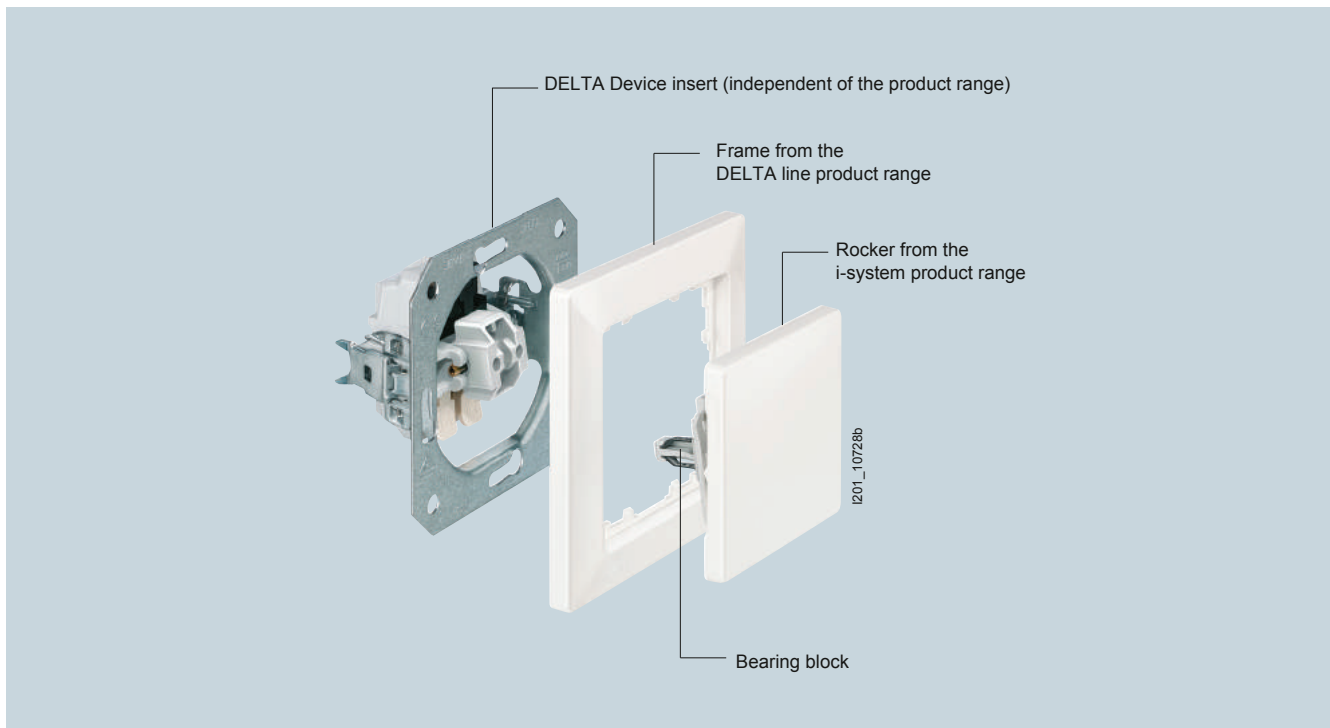
Carbon metallic

Modular components of the i-system with DELTA line and DELTA miro

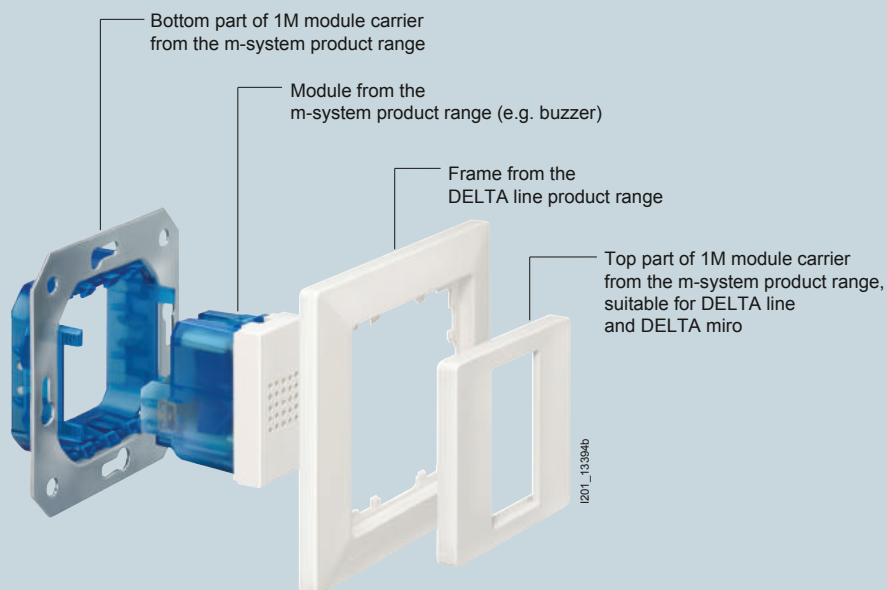


Technical design of the DELTA line product range

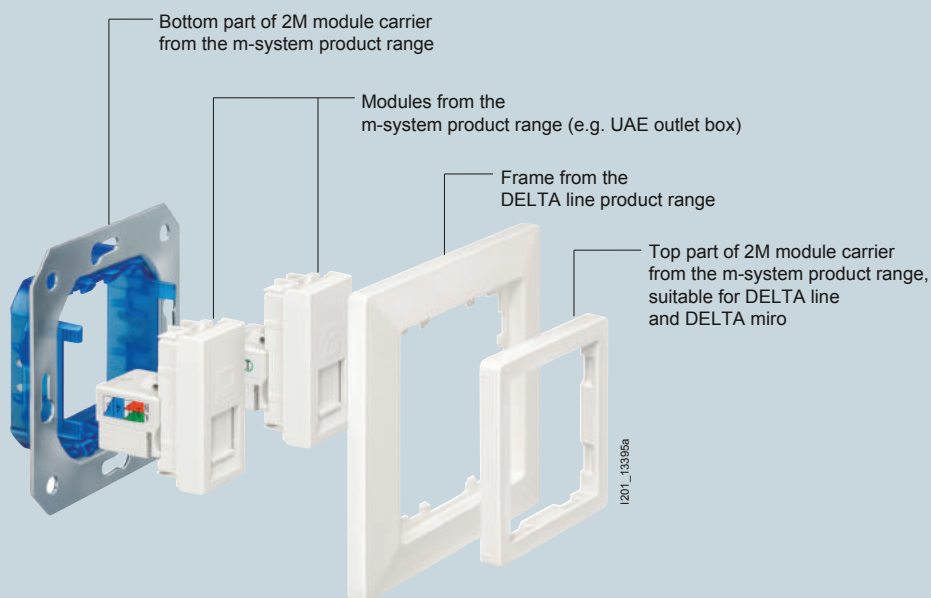
Note: The frames of the DELTA line product range can be combined with all central inserts and cover plates of the i-system product range.



Modular components of the i-system with DELTA line



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



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

Selection and ordering data

Version			Order No.
General information • For horizontal and vertical mounting • Degree of protection: IP20			
Note	Section	Page	
• All components of the i-system product range can be used as central inserts and cover plates, see ... • Degree of protection IP44 for rockers can be achieved with the <i>IP44 set of seals, for rockers, see ...</i>	<i>Design / i-system</i>	2/3	5TG4324
	<i>Design / i-system / Accessories and spare parts</i>	2/34	
Frames, 80 mm			
Versions			
	• Titanium white (similar to RAL 9010) - Single, 80 mm x 80 mm - Double, 151 mm x 80 mm - Triple, 222 mm x 80 mm - Quadruple, 293 mm x 80 mm - Quintuple, 364 mm x 80 mm		5TG2551-0 5TG2552-0 5TG2553-0 5TG2554-0 5TG2555-0
	• Electrical white (RAL 1013) - Single, 80 mm x 80 mm - Double, 151 mm x 80 mm - Triple, 222 mm x 80 mm - Quadruple, 293 mm x 80 mm - Quintuple, 364 mm x 80 mm		5TG2581-0 5TG2582-0 5TG2583-0 5TG2584-0 5TG2585-0
	• Aluminum metallic (similar to RAL 9006) - Single, 80 mm x 80 mm - Double, 151 mm x 80 mm - Triple, 222 mm x 80 mm - Quadruple, 293 mm x 80 mm - Quintuple, 364 mm x 80 mm		5TG2551-3 5TG2552-3 5TG2553-3 5TG2554-3 5TG2555-3
	• Carbon metallic (similar to RAL 7016) - Single, 80 mm x 80 mm - Double, 151 mm x 80 mm - Triple, 222 mm x 80 mm - Quadruple, 293 mm x 80 mm - Quintuple, 364 mm x 80 mm		5TG2551-6 5TG2552-6 5TG2553-6 5TG2554-6 5TG2555-6
Frames, 80 mm, with labeling field			
Versions			
	• Titanium white (similar to RAL 9010) - Single, 80 mm x 80 mm - Double, 151 mm x 80 mm, horizontal - Double, 151 mm x 80 mm, vertical - Triple, 222 mm x 80 mm, horizontal - Triple, 222 mm x 80 mm, vertical - Quadruple, 293 mm x 80 mm, horizontal - Quadruple, 293 mm x 80 mm, vertical		5TG2551-1 5TG2552-1 5TG2552-2 5TG2553-1 5TG2553-2 5TG2554-1 5TG2554-2
	• Electrical white (RAL 1013) - Single, 80 mm x 80 mm - Double, 151 mm x 80 mm, horizontal - Double, 151 mm x 80 mm, vertical - Triple, 222 mm x 80 mm, horizontal - Triple, 222 mm x 80 mm, vertical - Quadruple, 293 mm x 80 mm, horizontal - Quadruple, 293 mm x 80 mm, vertical		5TG2581-1 5TG2582-1 5TG2582-2 5TG2583-1 5TG2583-2 5TG2584-1 5TG2584-2
	• Aluminum metallic (similar to RAL 9006) - Single, 80 mm x 80 mm - Double, 151 mm x 80 mm, horizontal - Double, 151 mm x 80 mm, vertical		5TG2551-4 5TG2552-4 5TG2552-5
	• Carbon metallic (similar to RAL 7016) - Single, 80 mm x 80 mm - Double, 151 mm x 80 mm, horizontal - Double, 151 mm x 80 mm, vertical		5TG2551-7 5TG2552-7 5TG2552-8
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) • Electrical white (RAL 1013) • Aluminum metallic (similar to RAL 9006) • Carbon metallic (similar to RAL 7016)		5TG2557 5TG2587 5TG1160 5TG1150

5TG2551-0

5TG2551-1

5TG2557

Selection and ordering data

Version			Order No.
General information • For screw and claw fixing • SCHUKO® socket outlets: 16 A, 250 V AC; 10 A, 250 V AC • Live 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 ...	<i>Functions / Switching/ Pushbutton Control/ Dimming / Accessories and spare parts</i>	9/17	
SCHUKO® socket outlets, 80 mm x 80 mm Complete assembly, therefore no additional frame necessary			
Versions			
• Titanium white (similar to RAL 9010) • Electrical white (RAL 1013)			
			5UB1580 5UB1581
5UB1580			
SCHUKO® socket outlets, 80 mm x 80 mm, with child protection Complete assembly, therefore no additional frame necessary			
Versions			
• Titanium white (similar to RAL 9010) • Electrical white (RAL 1013)			
			5UB1582 5UB1583
5UB1582			

Selection and ordering data

3

Version				Order No.
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 <i>IP44 set of seals, for rockers</i> , see ...	<i>Design / i-system / Accessories and spare parts</i>	2/34		5TG4324
• Degree of protection IP44 for SCHUKO® socket outlets with hinged lid can be achieved using an <i>IP44 seal, for socket outlets</i> , see ...	<i>Design / i-system / Accessories and spare parts</i>	2/35		5TG4318
Surface-mounting enclosures Flame-resistant base plate				
Versions				
- 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				5TG2901 5TG2902 5TG2903
- 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				5TG2861 5TG2862 5TG2863
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 unit	1 unit	1 unit	
Double	4 unit	1 unit	1 unit	
Triple	4 unit	1 unit	1 unit	
Accessories		Section	Page	
<i>Slide nipples cable entry</i> (one set contains 10 units) - Titanium white (similar to RAL 9010) - Electrical white (RAL 1013)		<i>Accessories and spare parts</i>	3/8	5TG2905
		<i>dto.</i>	3/8	5TG2865
<i>Slide nipples channel entry</i> (one set contains 10 units) - Titanium white (similar to RAL 9010) - Electrical white (RAL 1013)		<i>dto.</i>	3/8	5TG2904
		<i>dto.</i>	3/8	5TG2864



5TG2901

Selection and ordering data

Version		Order No.
Accessories for surface-mounting enclosures		
	Slide nipples cable entry One set contains 10 units	5TG2905 5TG2865
	Versions	
	• Titanium white (similar to RAL 9010) • Electrical white (RAL 1013)	
5TG2905		
	Slide nipples channel entry • For 15 mm x 15 mm to 19 mm x 19 mm • One set contains 10 units	5TG2904 5TG2864
	Versions	
	• Titanium white (similar to RAL 9010) • Electrical white (RAL 1013)	
5TG2904		



4/2	Introduction
4/5	Frames
4/8	Flush-mounting radios

DELTA miro glass Real glass



Crystal green/aluminum metallic



White/titanium white



Black/aluminum metallic



Orient/carbon metallic



Arena/electrical white

DELTA miro aluminum Real aluminum



Natural/aluminum metallic



Yellow oxide/electrical white

DELTA miro wood Materials made of real wood



Maple red/aluminum metallic



Maple/titanium white



Beech¹⁾/carbon metallic



Cherry¹⁾/aluminum metallic



Wenge¹⁾/aluminum metallic

DELTA miro color Plastic



Titanium white/titanium white



Electrical white/electrical white



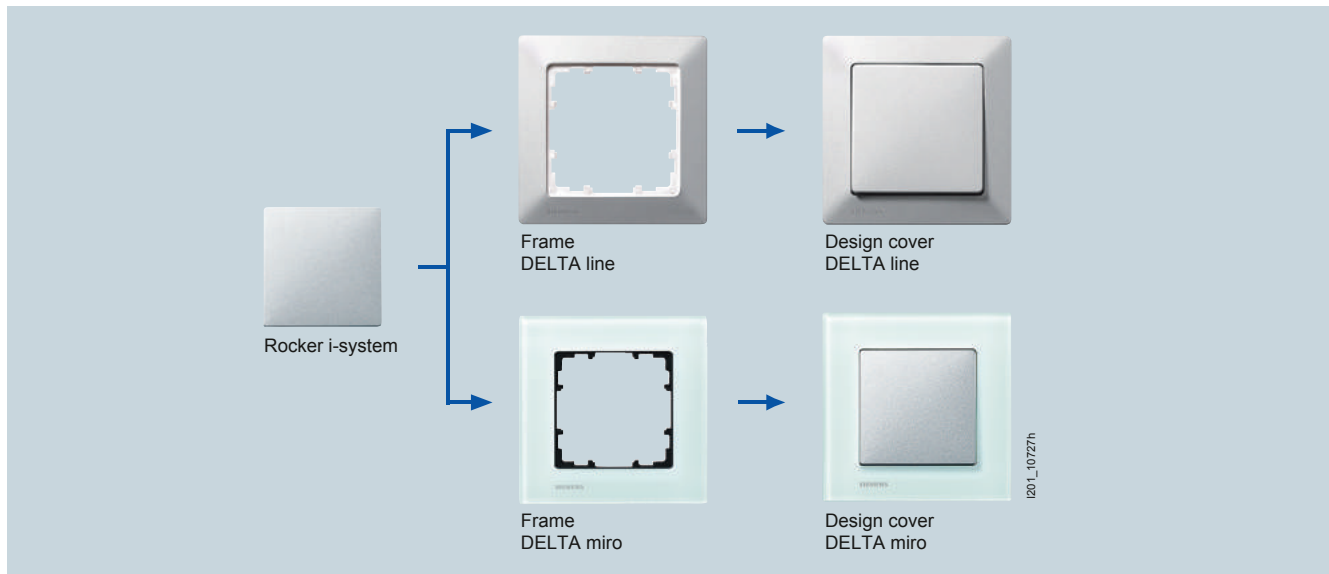
Aluminum metallic/aluminum metallic



Carbon metallic/carbon metallic

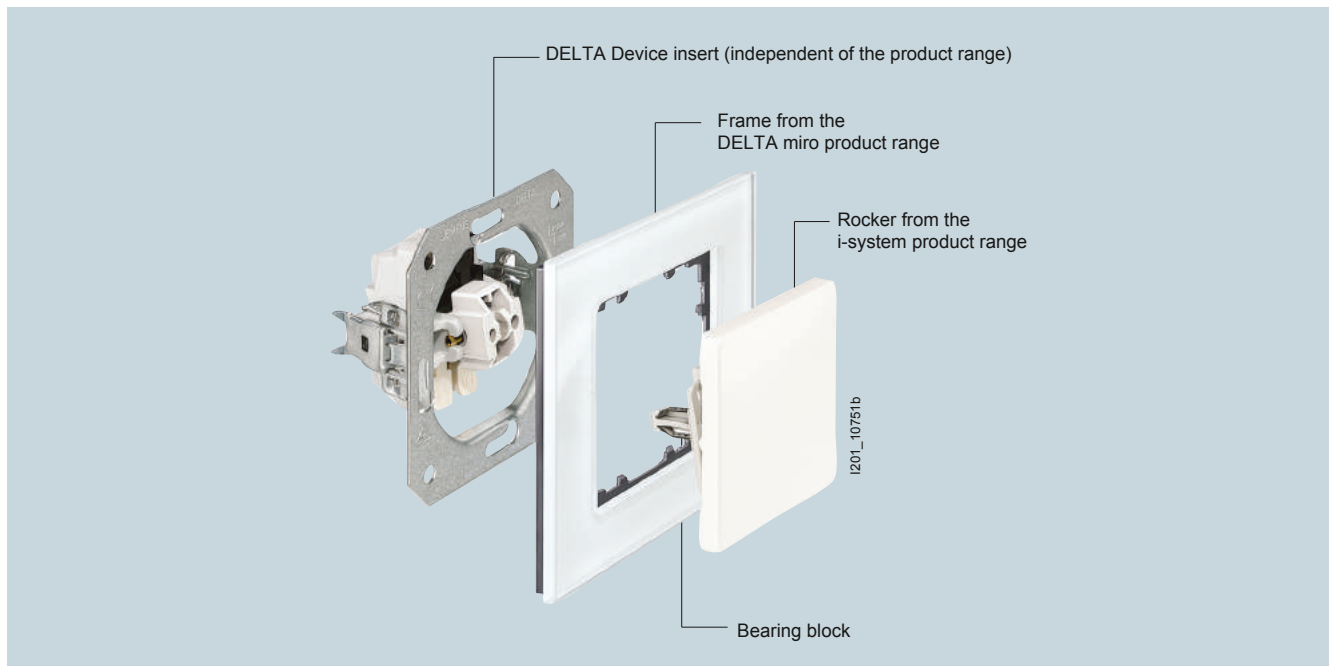
¹⁾ Color achieved through staining.

Modular components of the i-system with DELTA line and DELTA miro

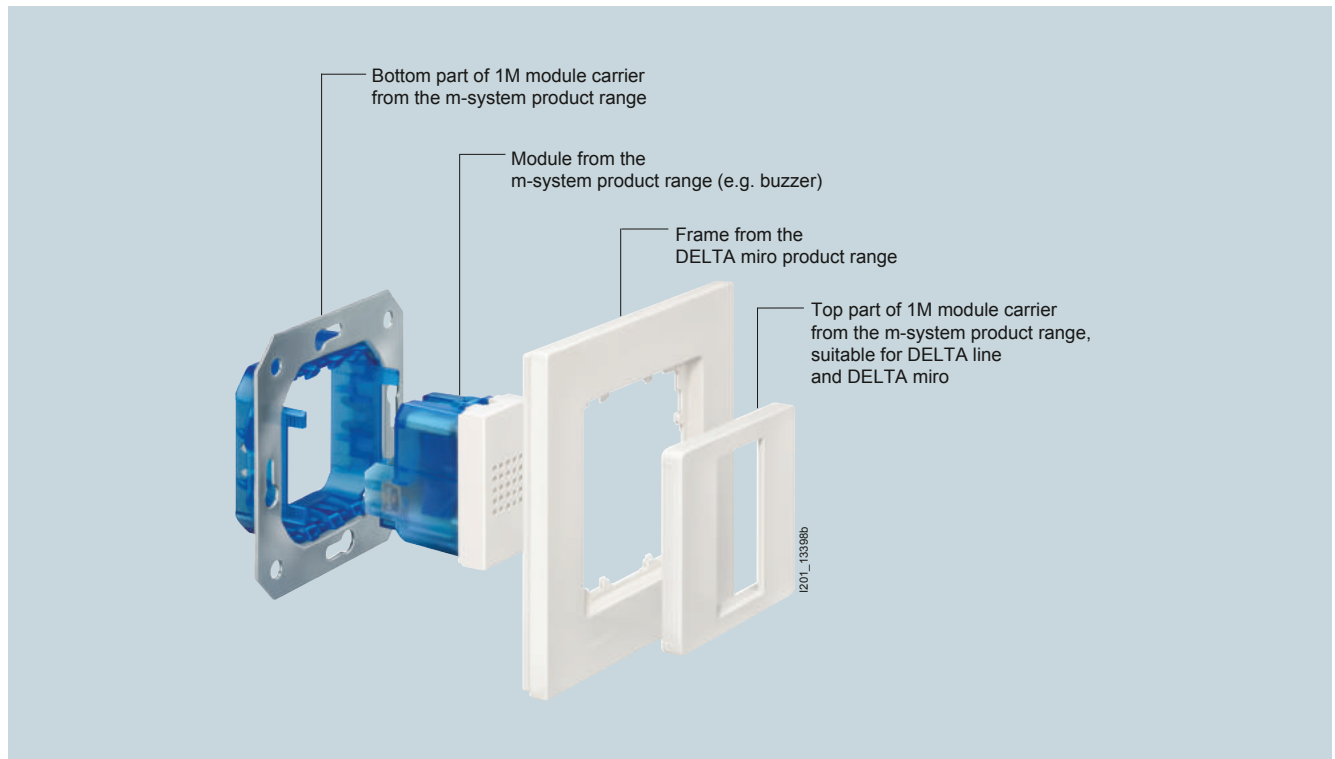


Technical design of the DELTA miro product range

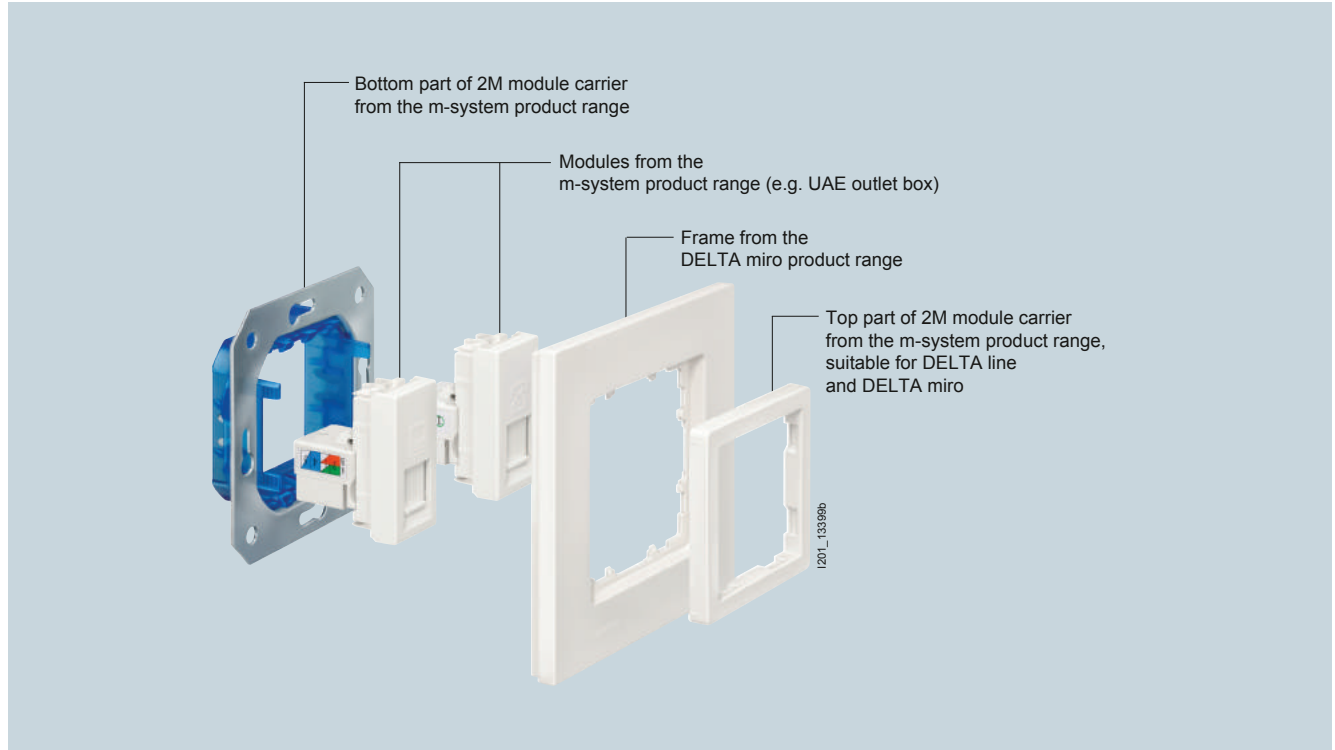
Note: The frames of the DELTA miro product range can be combined with all central inserts and cover plates of the i-system product range.



Modular components of the i-system with DELTA miro



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



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

Selection and ordering data

Version			Order No.
General information - For horizontal and vertical mounting - Degree of protection: IP20			
Note	Section	Page	
• All components of the i-system product range can be used as central inserts and cover plates, see ...	<i>Design / i-system</i>	2/3	
• Degree of protection IP44 for rockers can be achieved with the <i>IP44 set of seals, for rockers</i> , see ...	<i>Design / i-system / Accessories and spare parts</i>	2/34	5TG4324
• Degree of protection IP44 for SCHUKO® socket outlets with hinged lid can be achieved using an <i>IP44 seal, for socket outlets</i> , see ...	<i>Design / i-system / Accessories and spare parts</i>	2/35	5TG4318
Frames, 90 mm, real glass			
Versions			
- Crystal green - Single, 90 mm x 90 mm - Double, 161 mm x 90 mm - Triple, 232 mm x 90 mm - Quadruple, 303 mm x 90 mm - Quintuple, 374 mm x 90 mm			5TG1201 5TG1202 5TG1203 5TG1204 5TG1205
- White - Single, 90 mm x 90 mm - Double, 161 mm x 90 mm - Triple, 232 mm x 90 mm - Quadruple, 303 mm x 90 mm - Quintuple, 374 mm x 90 mm			5TG1201-1 5TG1202-1 5TG1203-1 5TG1204-1 5TG1205-1
- Black - Single, 90 mm x 90 mm - Double, 161 mm x 90 mm - Triple, 232 mm x 90 mm - Quadruple, 303 mm x 90 mm - Quintuple, 374 mm x 90 mm			5TG1201-2 5TG1202-2 5TG1203-2 5TG1204-2 5TG1205-2
- Orient - Single, 90 mm x 90 mm - Double, 161 mm x 90 mm - Triple, 232 mm x 90 mm - Quadruple, 303 mm x 90 mm - Quintuple, 374 mm x 90 mm			5TG1201-3 5TG1202-3 5TG1203-3 5TG1204-3 5TG1205-3
- Arena - Single, 90 mm x 90 mm - Double, 161 mm x 90 mm - Triple, 232 mm x 90 mm - Quadruple, 303 mm x 90 mm - Quintuple, 374 mm x 90 mm			5TG1201-4 5TG1202-4 5TG1203-4 5TG1204-4 5TG1205-4
Frames, 90 mm, real glass, without Siemens logo			5TG1201-0
Frames, 90 mm, real aluminum			
Versions			
- Natural - Single, 90 mm x 90 mm - Double, 161 mm x 90 mm - Triple, 232 mm x 90 mm - Quadruple, 303 mm x 90 mm - Quintuple, 374 mm x 90 mm			5TG1121-0 5TG1122-0 5TG1123-0 5TG1124-0 5TG1125-0
- Yellow oxide - Single, 90 mm x 90 mm - Double, 161 mm x 90 mm - Triple, 232 mm x 90 mm - Quadruple, 303 mm x 90 mm - Quintuple, 374 mm x 90 mm			5TG1121-3 5TG1122-3 5TG1123-3 5TG1124-3 5TG1125-3

5TG1201

5TG1121-0

Frames

4

Version		Order No.
 5TG1101-2	Frames, 90 mm, real wood Versions • Maple red - Single, 90 mm x 90 mm - Double, 161 mm x 90 mm - Triple, 232 mm x 90 mm - Quadruple, 303 mm x 90 mm • Maple - Single, 90 mm x 90 mm - Double, 161 mm x 90 mm - Triple, 232 mm x 90 mm - Quadruple, 303 mm x 90 mm • Beech (color achieved through staining) - Single, 90 mm x 90 mm - Double, 161 mm x 90 mm - Triple, 232 mm x 90 mm - Quadruple, 303 mm x 90 mm • Cherry (color achieved through staining) - Single, 90 mm x 90 mm - Double, 161 mm x 90 mm - Triple, 232 mm x 90 mm - Quadruple, 303 mm x 90 mm • Wenge - Single, 90 mm x 90 mm - Double, 161 mm x 90 mm - Triple, 232 mm x 90 mm - Quadruple, 303 mm x 90 mm Note Variations in the color of the wood are typical for this natural product.	5TG1101-2 5TG1102-2 5TG1103-2 5TG1104-2 5TG1101-3 5TG1102-3 5TG1103-3 5TG1104-3 5TG1101-4 5TG1102-4 5TG1103-4 5TG1104-4 5TG1101-1 5TG1102-1 5TG1103-1 5TG1104-1 5TG1101-0 5TG1102-0 5TG1103-0 5TG1104-0
	Frames, 90 mm, plastic Versions • Titanium white (similar to RAL 9010) - Single, 90 mm x 90 mm - Double, 161 mm x 90 mm - Triple, 232 mm x 90 mm - Quadruple, 303 mm x 90 mm - Quintuple, 374 mm x 90 mm • Electrical white (similar to RAL 1013) - Single, 90 mm x 90 mm - Double, 161 mm x 90 mm - Triple, 232 mm x 90 mm - Quadruple, 303 mm x 90 mm - Quintuple, 374 mm x 90 mm • Aluminum metallic (similar to RAL 9006) - Single, 90 mm x 90 mm - Double, 161 mm x 90 mm - Triple, 232 mm x 90 mm - Quadruple, 303 mm x 90 mm - Quintuple, 374 mm x 90 mm • Carbon metallic (similar to RAL 7016) - Single, 90 mm x 90 mm - Double, 161 mm x 90 mm - Triple, 232 mm x 90 mm - Quadruple, 303 mm x 90 mm - Quintuple, 374 mm x 90 mm	5TG1111-0 5TG1112-0 5TG1113-0 5TG1114-0 5TG1115-0 5TG1111-3 5TG1112-3 5TG1113-3 5TG1114-3 5TG1115-3 5TG1111-1 5TG1112-1 5TG1113-1 5TG1114-1 5TG1115-1 5TG1111-2 5TG1112-2 5TG1113-2 5TG1114-2 5TG1115-2
	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) • Electrical white (RAL 1013) • Aluminum metallic (similar to RAL 9006) • Carbon metallic (similar to RAL 7016)	5TG2557 5TG2587 5TG1160 5TG1150
	 5TG1111-0	
	 5TG2557	

Version		Order No.
 5TG1206-1	Miro double schuko frames 125 mm x 81 mm, Glass	
	Versions • Delta Miro, glass frame, 1-5 fold, white • Delta Miro, glass frame 1-5 fold, black	5TG1206-1 5TG1206-2
 5TG1116-0	Miro double schuko frames 125 mm x 81 mm, Plastic	
	Versions • Delta Miro, frame, 1-5 fold, titanium white (similar to RAL 9010) • Delta Miro, frame, 1-5 fold, aluminum metallic (similar to RAL 9006) • Delta Miro, frame, 1-5 fold, carbon metallic (similar to RAL 7016)	5TG1116-0 5TG1116-1 5TG1116-2

Flush-mounting radios

Selection and ordering data

4



5TC1060

Version	Order No.
Flush-mounting radios • For horizontal and vertical mounting • Degree of protection: IP20 • 230 V / 50 Hz • Anti-slip terminals up to 2.5 mm² • Not suitable for installation in multiple frames (triple to quintuple) • For installation in a double flush-mounting box (i.e. instead of the original double socket outlet)	
Versions • Titanium white (similar to RAL 9010) • Aluminum metallic (similar to RAL 9006) • Carbon metallic (similar to RAL 7016)	5TC1060 5TC1061 5TC1062
Note Download the operating and mounting instructions from: http://support.automation.siemens.com/ww/view/en/5tc1060/all	
Product features • Can be mounted either horizontally or vertically due to rotating display module • Six freely programmable transmitter memories • Illuminated display (can be adjusted separately for ON/OFF mode) • Display of transmitter name over RDS signal • Display of time • Radio alarm clock with display of alarm time, if activated • Sleep timer (automatic switch-off after user-defined time) • Good sound quality due to high-quality loudspeaker • Secondary mode possible over motion detector • Secondary mode possible through use of pushbuttons or switches	



5/2	Introduction
5/5	Frames
5/6	Switches and pushbuttons
5/9	Socket outlets
5/12	International plug-and-socket devices
5/13	Shutter/blind controls
5/16	Lighting controls
5/18	Motion detectors
5/20	Room temperature controllers
5/21	Communication
5/23	TV / RF / SAT
5/24	Equipotential bonding
5/24	Surface-mounting enclosures
5/24	Module carriers for the m-system
5/25	Add-on devices
5/26	Accessories and spare parts

Overview

Colors and designs of the DELTA profil product range

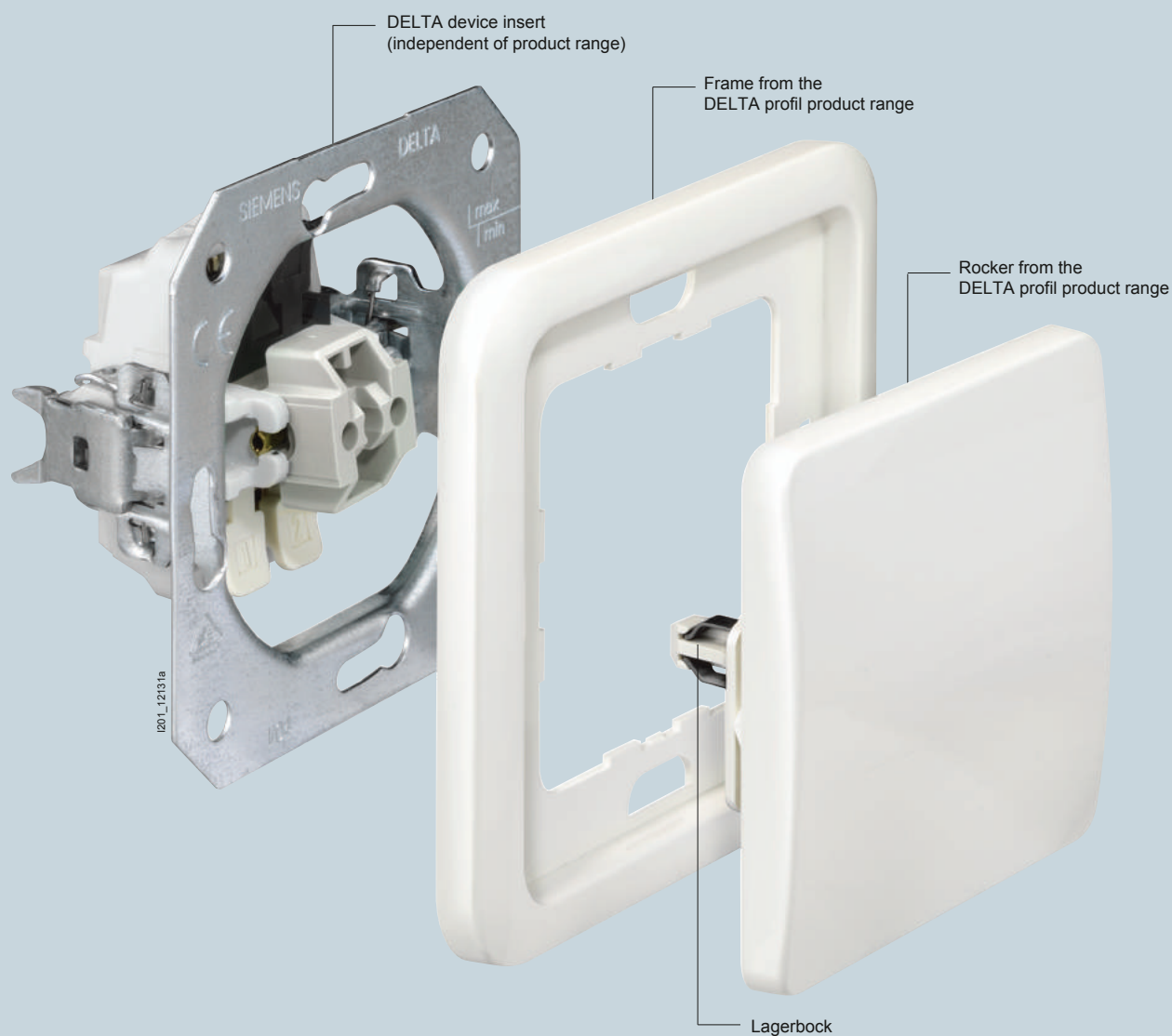


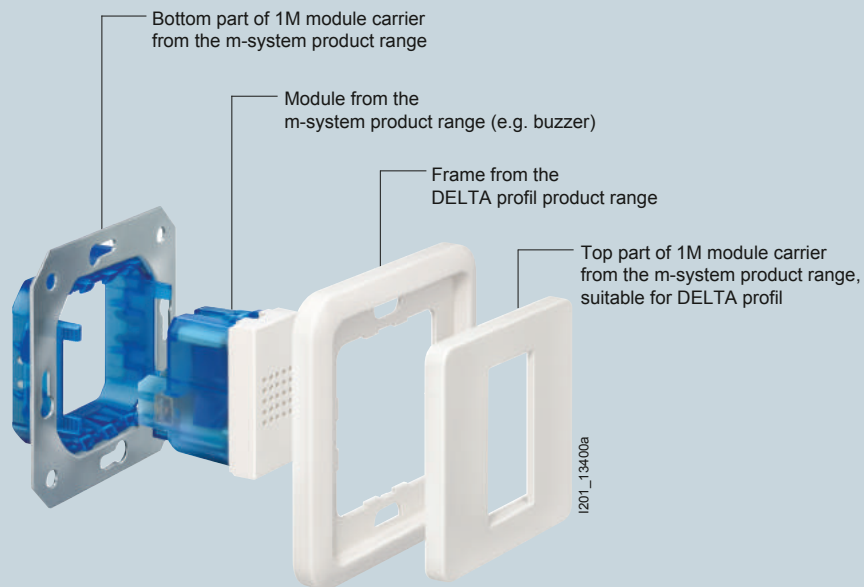
Titanium white



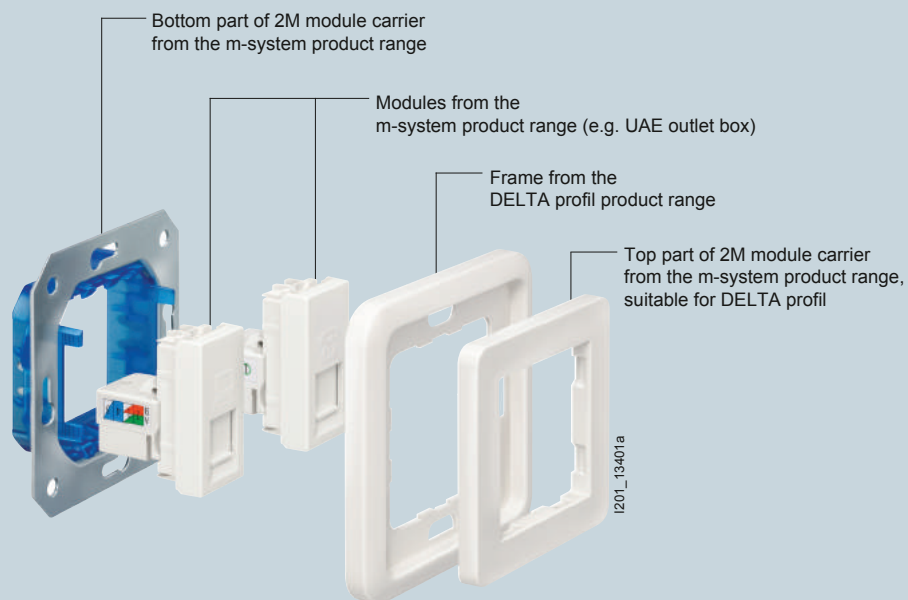
Silver

Technical design of the DELTA profil product range





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



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

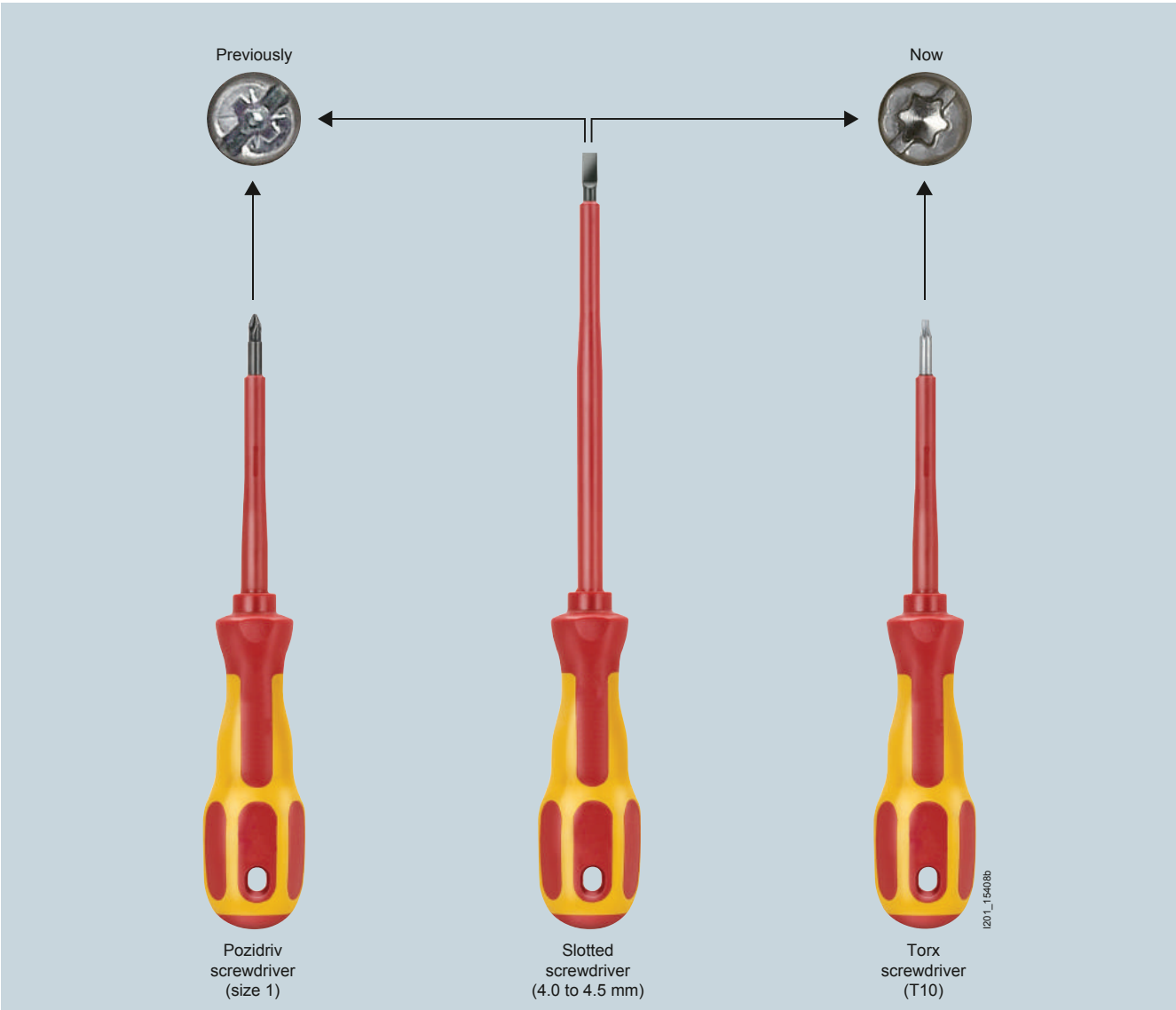
Introduction

Combination screws for Torx T10 and slotted screwdrivers

5



All our inserts for switches and pushbuttons, and all SCHUKO® socket outlets from the DELTA product range, are equipped with the new combination screws.



Use of different screwdrivers on the previously used and new combination screw.

Selection and ordering data

Version		Order No.
General information - For horizontal and vertical mounting - Degree of protection: IP20		
Note The color silver is identical to aluminum metallic (i-system).		
 5TG1811	Frames, 80 mm Versions	
	- Titanium white (similar to RAL 9010) - Single, 80 mm x 80 mm - Double, 151 mm x 80 mm - Triple, 222 mm x 80 mm - Quadruple, 293 mm x 80 mm - Quintuple, 364 mm x 80 mm	5TG1811 5TG1812 5TG1813 5TG1814 5TG1815
	- Silver (similar to RAL 9006) - Single, 80 mm x 80 mm - Double, 151 mm x 80 mm - Triple, 222 mm x 80 mm - Quadruple, 293 mm x 80 mm - Quintuple, 364 mm x 80 mm	5TG1771 5TG1772 5TG1773 5TG1774 5TG1775
	Frames, 80 mm, cut out Versions	
	- Titanium white (similar to RAL 9010) - Single, 80 mm x 80 mm - Double, 151 mm x 80 mm - Double, with 1 cutout, 151 mm x 80 mm - Triple, with 1 cutout, 222 mm x 80 mm	5TG1801 5TG1802 5TG1803 5TG1804
 5TG1801	- Silver (similar to RAL 9006) - Single, 80 mm x 80 mm - Double, with 1 cutout, 151 mm x 80 mm - Triple, with 1 cutout, 222 mm x 80 mm	5TG1761 5TG1763 5TG1764
 5TG1803		
 5TG1804		
 5TG1806	Intermediate frames, for inserting devices with cover plate 51 mm x 51 mm - complies with DIN 49075 65 mm x 65 mm	
	Versions - Titanium white (similar to RAL 9010) - Silver (similar to RAL 9006)	5TG1806 5TG1766
 5TG1893	Intermediate frame, for inserting devices with cover plate 55 mm x 55 mm Versions	
	- Titanium white (similar to RAL 9010) - Silver or aluminum metallic (similar to RAL 9006)	5TG1893 5TG1762

Selection and ordering data

Version		Order No.
General information - Size of rockers: 65 mm x 65 mm - Degree of protection: IP20		
Note	Section	Page
For extension claws, see ...	<i>Functions/Switching/Pushbutton Control/Dimming/Accessories and spare parts</i>	9/17
Note		
The color silver is identical to aluminum metallic (i-system).		
Rockers, neutral		
Versions - Titanium white (similar to RAL 9010) - Silver (similar to RAL 9006)		5TG7801 5TG7921
Inserts	Section	Page
• Universal switches	<i>Functions / Switching/ Pushbutton Control/</i>	9/3
• Intermediate switches	<i>dto.</i>	9/4
• ON/OFF switches, 1-pole	<i>dto.</i>	9/4
• Pushbuttons, 1 NO contact	<i>dto.</i>	9/8
• Pushbuttons, 1 CO contact	<i>dto.</i>	9/9
Rockers with "Bell" symbol		
Versions - Titanium white (similar to RAL 9010) - Silver (similar to RAL 9006)		5TG7807 5TG7927
Inserts	Section	Page
• Pushbuttons, 1 NO contact	<i>Functions / Switching/ Pushbutton Control/</i>	10/8
• Pushbuttons, 1 CO contact	<i>dto.</i>	10/9
Rockers with "Door Opener" symbol		
Versions - Titanium white (similar to RAL 9010) - Silver (similar to RAL 9006)		5TG7808 5TG7928
Inserts	Section	Page
• Pushbuttons, 1 NO contact	<i>Functions / Switching/ Pushbutton Control/</i>	9/8
• Pushbuttons, 1 CO contact	<i>dto.</i>	9/9
Rockers with I/O symbols		
Versions - Titanium white (similar to RAL 9010) - Silver (similar to RAL 9006)		5TG7802 5TG7922
Inserts	Section	Page
• ON/OFF switches, 2-pole, 10 AX	<i>Funktionen / Schalten/ Tasten/Dimmen</i>	9/5
• ON/OFF switches, 2-pole, 16 AX	<i>dto.</i>	9/5
• ON/OFF switches, 3-pole, 16 A	<i>dto.</i>	9/5
Rockers with window		
Versions - Titanium white (similar to RAL 9010) - Silver (similar to RAL 9006)		5TG7800 5TG7920
Inserts	Section	Page
• Switches with pilot lamp, for two-way switching ¹⁾	<i>Functions / Switching/ Pushbutton Control/</i>	9/6
• Pushbuttons, 1 NO contact, with separate neutral terminal	<i>dto.</i>	9/9
• Pushbuttons, 1 CO contact, with separate neutral terminal	<i>dto.</i>	9/9
• Pushbuttons, with separate check-back indication	<i>dto.</i>	9/10
• Universal switches	<i>dto.</i>	9/3
• Intermediate switches	<i>dto.</i>	9/4
• ON/OFF switches, 1-pole	<i>dto.</i>	9/4
• Pushbuttons, 1 NO contact ¹⁾	<i>dto.</i>	9/8
• Pushbuttons, 1 CO contact	<i>dto.</i>	9/6
• Switches with pilot lamp, for ON/OFF switching ¹⁾	<i>dto.</i>	9/6
Note		
¹⁾ with LED 5TG7333 (Normal brightness)		

Version			Order No.
	Rockers with "Light" symbol and window		
	Versions		
	• Titanium white (similar to RAL 9010) • Silver (similar to RAL 9006)		
	Inserts	Section	Page
	• Universal switches • Intermediate switches • ON/OFF switches, 1-pole • Pushbuttons, 1 NO contact ¹⁾ • Switches with pilot lamp, for ON/OFF switching¹⁾ • Switches with pilot lamp, for two-way switching¹⁾ • Pushbuttons, 1 NO contact, with separate neutral terminal • Pushbuttons, 1 CO contact, with separate neutral terminal • Pushbuttons, with separate check-back indication	Functions / Switching/ Push-button Control/Dimming dto. dto. dto. dto. dto. dto. dto. dto.	9/3 9/4 9/4 9/8 9/6 9/6 9/9 9/9 9/10
Note			
¹⁾ with LED 5TG7333 (Normal brightness)			
	Rockers with labeling field		
	Versions		
	• Titanium white (similar to RAL 9010) • Silver (similar to RAL 9006)		
	Inserts	Section	Page
	• Universal switches • Intermediate switches • ON/OFF switches, 1-pole • Pushbuttons, 1 NO contact ¹⁾ • Pushbuttons, 1 CO contact	Functions / Switching/ Push-button Control/Dimming dto. dto. dto. dto.	9/3 9/4 9/4 9/8 9/9
Note			
¹⁾ with LED 5TG7333 (Normal brightness)			
	Rocker with "Bell" symbol and labeling field		
	Titanium white (similar to RAL 9010)		
	Inserts	Section	Page
	• Pushbuttons, 1 NO contact ¹⁾ • Pushbuttons, 1 CO contact	Functions / Switching/ Push-button Control/Dimming dto.	9/8 9/9
	Note		
¹⁾ with LED 5TG7333 (Normal brightness)			
	Rockers with labeling field and window		
	Versions		
	• Titanium white (similar to RAL 9010) • Silver (similar to RAL 9006)		
	Inserts	Section	Page
	• Switches with pilot lamp, for two-way switching¹⁾ • Pushbuttons, 1 NO contact, with separate neutral terminal • Pushbuttons, 1 CO contact, with separate neutral terminal • Pushbuttons, with separate check-back indication • Universal switches • Intermediate switches • ON/OFF switches, 1-pole • Pushbuttons, 1 NO contact ¹⁾ • Pushbuttons, 1 CO contact • Switches with pilot lamp, for ON/OFF switching¹⁾	Functions/Switching/ Push-button Control/Dimming dto. dto. dto. dto. dto. dto. dto. dto. dto. dto.	9/6 9/9 9/9 9/10 9/3 9/4 9/4 9/8 9/9 9/6
Note			
¹⁾ with LED 5TG7333 (Normal brightness)			
	5TG1894		
	5TA2150 switches with pilot lamp, for ON/OFF switching can be used as heating emergency switch. The required 5TG1894 labeling field insert "Heating Emergency Switch" must be ordered separately, see ...		
	LED Leuchteinsätze, siehe ...		
	Note		
	¹⁾ with LED 5TG7333 (Normal brightness)		

Switches and pushbutton

5

Version			Order No.
	Rockers, double, neutral		
	Versions		
	• Titanium white (similar to RAL 9010) • Silver (similar to RAL 9006)		5TG7805 5TG7925
	Inserts	Section	Page
	• Double two-way switches	Functions/Switching/Push-button Control/Dimming dto.	9/7
5TG7805	• Two-circuit switches	dto.	9/7
	• Pushbuttons, double, 1 NO contact, 1 CO contact	dto.	9/10
	• Pushbuttons, double, 2 NO contacts	dto.	9/10
			5TA2118
			5TA2155 5TD2115 5TD2111
	Rockers, double, with window		
	Versions		
	• Titanium white (similar to RAL 9010) • Silver (similar to RAL 9006)		5TG7818 5TG7938
	Inserts	Section	Page
	• Two-circuit switches	Functions/Switching/Push-button Control/Dimming dto.	9/7
5TG7818	• Pushbuttons, double, 2 NO contacts	dto.	9/10
			5TA2155 5TD2111
	Rockers, double, with window and labeling field		
	Versions		
	• Titanium white (similar to RAL 9010) • Silver (similar to RAL 9006)		5TG7817 5TG7937
	Inserts	Section	Page
	• Two-circuit switches	Functions/Switching/Push-button Control/Dimming	9/7
	• Pushbuttons, double, 2 NO contacts		9/10
			5TA2155 5TD2111
	Hotel card switches, with window and labeling field		
	• 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 • Illuminated • Including insert, pushbutton, 1 CO contact, with separate neutral terminal (5TD2117) • Incl. glow lamp (5TG7332)		
	Versions		
	• Titanium white (similar to RAL 9010) • Silver (similar to RAL 9006)		5TG4811 5TG4814

Selection and ordering data

Version			Order No.						
General information • For screw and claw fixing • SCHUKO® socket outlets: 16 A, 250 V AC; 10 A, 250 V DC • Live 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 • Size of cover plates: 65 mm x 65 mm <table><tr><th>Note</th><th>Section</th><th>Page</th></tr><tr><td>For extension claws, see ...</td><td>Functions / Switching/ Pushbutton Control/ Dimming / Accessories and spare parts</td><td>9/17</td></tr></table> Note The color silver is identical to aluminum metallic (i-system).			Note	Section	Page	For extension claws, see ...	Functions / Switching/ Pushbutton Control/ Dimming / Accessories and spare parts	9/17	
Note	Section	Page							
For extension claws, see ...	Functions / Switching/ Pushbutton Control/ Dimming / Accessories and spare parts	9/17							
	SCHUKO® socket outlets Versions • Titanium white (similar to RAL 9010) - With claws - Without claws for hollow-wall mounting • Silver (similar to RAL 9006)	5UB1403 5UB1403-OKK 5UB1467							
5UB1403	SCHUKO® socket outlets with child protection Versions • Titanium white (similar to RAL 9010) - With claws - Without claws for hollow-wall mounting • Silver (similar to RAL 9006)	5UB1405 5UB1405-OKK 5UB1468							
	SCHUKO® socket outlets with child protection and black bezel Silver (similar to RAL 9006)	5UB1465							
5UB1465	SCHUKO® socket outlets, black bezel Silver (similar to RAL 9006)	5UB1463							
	SCHUKO® socket outlets, green bezel • Color of bezel similar to RAL 6018 • Blank • For use with SV¹⁾ • Titanium white (similar to RAL 9010) <table><tr><th>Note</th><th>Section</th><th>Page</th></tr><tr><td>Label sheets for marking the inserts, see ...</td><td>Accessories and spare parts</td><td>5/26</td></tr></table> Footnote ¹⁾ SV: Safety power supply (AEV).	Note	Section	Page	Label sheets for marking the inserts, see ...	Accessories and spare parts	5/26	5UB1481	
Note	Section	Page							
Label sheets for marking the inserts, see ...	Accessories and spare parts	5/26							
									
5UB1481									

	Version	Order No.	
	SCHUKO® socket outlets, orange bezel • Color of bezel similar to RAL 2004 • Blank • For use with ZSV ¹⁾ • Titanium white (similar to RAL 9010)		5UB1480
	Note	Section	Seite
	Label sheets for marking the inserts, see ...	Accessories and spare parts	5/26
	Footnote		
	¹⁾ ZSV: Additional safety power supply (BEV).		
5UB1480			
	SCHUKO® socket outlets, with labeling field		
	Versions		
	• Titanium white (similar to RAL 9010) • Green (similar to RAL 6018) - Without labeling - For use with SV ¹⁾ • Orange (similar to RAL 2004) - Without labeling - For use with ZSV ²⁾ • Red (similar to RAL 3003) - Without labeling - For use with WSV ³⁾		5UB1407 On request On request 5UB1476
	Note	Section	Page
	Label sheets for marking the inserts, see ...	Accessories and spare parts	5/26
Footnote			
¹⁾ SV: Safety power supply (AEV). ²⁾ ZSV: Additional safety power supply (BEV). ³⁾ WSV: Another additional safety power supply (BEV).			
	SCHUKO® socket outlets, with status display and labeling field		
	Versions		
	• Titanium white (similar to RAL 9010) • Green (similar to RAL 6018) - Without labeling - For use with SV ¹⁾ • Orange (similar to RAL 2004) - Without labeling - For use with ZSV ²⁾		5UB1472 5UB1474 5UB1475
	Note	Section	Page
	• Label sheets for marking the inserts, see ... • 5TG7304 spare glow lamps, see ... • For Technical specifications, see ...	<i>Accessories and spare parts</i> <i>Accessories and spare parts</i> <i>Technical Information /Socket Outlets</i> <i>SCHUKO® socket outlets, with status display</i>	5/26 5/27 16/12
Footnote			
¹⁾ SV: Safety power supply (AEV). ²⁾ ZSV: Additional safety power supply (BEV).			
	SCHUKO® socket outlets, with overvoltage protection, function displays and labeling field		
	Versions		
	• Titanium white (similar to RAL 9010) • Silver (similar to RAL 9006)		5UB1486 5UB1460
	Note	Section	Page
	• 5UH1300 spare overvoltage protection module, see ... • For Technical specifications, see ...	<i>Accessories and spare parts</i> <i>Technical Information / Socket Outlets / SCHUKO® socket outlets, with over-voltage protection</i>	5/27 16/12
Footnote			
5UB1486			
	SCHUKO® socket outlets with hinged lid		
	Versions		
• Titanium white (similar to RAL 9010) • Silver (similar to RAL 9006)		5UB1404 5UB1464	
5UB1404			

Version	Order No.
 SCHUKO® socket outlets, with hinged lid made of die-cast aluminum • With flush-mounting socket • 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)	5UB4650

5UB4650

Selection and ordering data

	Version	Order No.
	General information • For screw and claw fixing • Screw terminals • Size of cover plates: 65 mm x 65 mm	
 5UB1315	Socket outlets with grounding pin and child protection • 16 A, 250 V AC • 2-pole according to CEE7 • French/Belgian standard • With anti-slip terminals for 4 x 2.5 mm² • Titanium white (similar to RAL 9010)	5UB1315
 5UB1408	Socket outlets with grounding pin • 16 A, 250 V AC • 2-pole according to CEE7 • French/Belgian standard • With anti-slip terminals for 4 x 2.5 mm² • Titanium white (similar to RAL 9010)	5UB1408
 5UB1311	Socket outlets, according to American standard C 73 • 15 A, 125 V AC • Titanium white (similar to RAL 9010)	5UB1311
 5UB1534	NEMA socket outlets • In i-system design • 2-pole (2P + E) • NEMA 5-20R • 20 A, 125 V AC • For 58 series mounting boxes • For screw fixing only • Titanium white (similar to RAL 9010) Note The NEMA socket outlet, with hinged lid can only be used with the DELTA profil product range if used together with an intermediate frame for inserting devices with cover plate 55 mm x 55 mm, titanium white.	5UB1534
 5UB1535	NEMA socket outlets with hinged lid • In i-system design • 2-pole (2P + E) • NEMA 5-20R • 20 A, 125 V AC • For 58 series mounting boxes • For screw fixing only • Titanium white (similar to RAL 9010) Note The socket outlet, NEMA, with hinged lid, can only be used with the DELTA profil product range, if used together with an intermediate frame for inserting devices with cover plate 55 mm x 55 mm, titanium white.	5UB1535

Selection and ordering data

Version		Order No.
<		

Shutter/blind controls

5

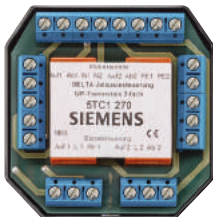


5TC1520

Version			Order No.
Shutter/blind controls • In 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) • Silver or aluminum metallic (similar to RAL 9006)			5TC1520 5TC1522
Note	Section	Page	
• Cutout frames must be ordered separately, see ...	Frames	5/5	
• The following intermediate frames, for inserting devices with cover plate 55 mm x 55 mm must be ordered separately:			
- Titanium white (similar to RAL 9010)	Frames	5/5	5TG1893 5TG1762
- Silver or aluminum metallic (similar to RAL 9006)	dto.	5/5	
Note			
Download the operating and mounting instructions from: http://support.automation.siemens.com/ww/view/en/5tc1520/all			
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 terminals • 2 relays which are electrically 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			
Comfort shutter/blind controls • In 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) • Silver or aluminum metallic (similar to RAL 9006)			5TC1521 5TC1523
Note	Section	Page	
• The sun sensor must be ordered separately, see ...	Accessories and spare parts	5/27	5TC1526
• Cutout frames must be ordered separately, see ...	Frames	5/5	
• The following intermediate frames, for inserting devices with cover plate 55 mm x 55 mm must be ordered separately:			
- Titanium white (similar to RAL 9010)	Frames	5/5	5TG1893 5TG1762
- Silver or aluminum metallic (similar to RAL 9006)	dto.	5/5	
Note			
Download the operating and mounting instructions from: http://support.automation.siemens.com/ww/view/en/5tc1521/all			



5TC1521

Version		Order No.
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 terminals • 2 relays which are electrically 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 programming • 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 to daylight savings • 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 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. 5TA2114) • The isolating relay is to be installed into 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 (AC-1) or 3 A (ind.), 230 V AC, 50 Hz • 58 mm x 59 mm x 22 mm	5TC1270
Note		Page
For Technical specifications, see ...		16/62
Technical Information / Shutter/Blind Controls / Shutter/blind control flush-mounting isolating relays		
Note		
Download the operating and mounting instructions from: http://support.automation.siemens.com/ww/view/en/5tc1270/all		
	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 shutter/blind pushbutton • If cascaded, a motor can be connected to each compact isolating relay, which can also be individually controlled over a shutter/blind pushbutton • The isolating relay is to be installed into 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 (AC-1) or 3 A (ind.), 230 V AC, 50 Hz • 50 mm x 53 mm x 22 mm	5TC1271
Note		Page
For Technical specifications, see ...		16/63
Technical Information / Shutter/Blind Controls / Shutter/blind control flush-mounting isolating relays, compact		
Note		
Download the operating and mounting instructions from: http://support.automation.siemens.com/ww/view/en/5tc1271/all		

Selection and ordering data

Version

Order No.

General information

Size of cover plates: 65 mm x 65 mm

Note

The color silver is identical to aluminum metallic (i-system).

Rotary dimmers

5TC8904

Cover plates with rotary button, for dimmers

Versions

- Titanium white (similar to RAL 9010)
- Silver (similar to RAL 9006)

5TC8904
5TC8906

Symbol	Inserts	Section	Page	
	Incandescent lamp dimmers, 50 ... 400 W	Functions / Switch- ing/Pushbutton Control/Dimming	9/11	5TC8256
	Incandescent lamp dimmers, 50 ... 600 W, for two-way switching	dto.	9/11	5TC8257
	Low-voltage dimmers, for magnetic transformers, 50 ... 600 W, 25 ... 500 VA, for two-way switching	dto.	9/11	5TC8283
	Low-voltage dimmers, for electronic transformers, 20 ... 315 W, 20 ... 315 VA, for two-way switching	dto.	9/12	5TC8262
	Low voltage LED Dimmer 60W, for magnetic transformers 6 ... 120 W, for two-way switching	dto.	9/12	5TC8263
	Low-voltage dimmers, for electronic transformers, 20 ... 600 W, 20 ... 525 VA, for two-way switching	dto.	9/12	5TC8284
	Low-voltage dimmers, for electronic transformers, 60 ... 800 W, 60 ... 800 VA, for two-way switching	dto.	9/13	5TC8258
	Electronic potentiometers, switch	dto.	9/14	5TC8424
	Electronic potentiometers, pushbutton	dto.	9/15	5TC8425

Version

Order No.

Touch dimmers



5TC1310

sys pushbuttons

Versions

- Titanium white (similar to RAL 9010)

5TC1310

Symbol	Power	Inserts	Section	Page
		Universal dimmer sys inserts	Functions / Switch- ing/Pushbutton Control/Dimming	9/13
	50 ... 420 W			
	50 ... 420 VA			
	70 ... 420 VA			

5TC1230

Note	Section	Page
• Cutout frames must be ordered separately, see ... • For Technical specifications, see ...	Frames	5/5
	Functions / Remote Control Systems Technical Information / Dimmers / sys pushbuttons	16/15

Note

Download the operating and mounting instructions from:
<http://support.automation.siemens.com/ww/view/en/5tc1310/all>

Selection and ordering data

Version		Order No.
General information - Size of tops: 55 mm x 55 mm - Degree of protection: IP20		
 5TC1503 (front view)  5TC1503 (rear view)	Motion detector tops - In 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 s - 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 mounting 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, 5TD2120) - The sensitivity is infinitely adjustable between 20 and 100 %	
	Versions - Mounting height 1.10 m - Titanium white (similar to RAL 9010) - Mounting height 2.20 m - Titanium white (similar to RAL 9010)	5TC1503 5TC1504
Inserts	Section	Page
• Motion detector relay inserts	Functions / Motion Detectors	10/2
• Motion detector triac inserts	dto.	10/2
• Motion detector extension unit inserts	dto.	10/3
Note	Section	Page
• Cutout frames must be ordered separately, see ...	Frames	5/5
• The following intermediate frames, 55 mm x 55 mm, must be ordered separately:	Frames	
- Titanium white (similar to RAL 9010)		5/5
- Silver or aluminum metallic (similar to RAL 9006)	dto.	5/5
Note		
Download the operating and mounting instructions from:		
http://support.automation.siemens.com/ww/view/en/5tc1503/all		
Technical specifications		
• Sensing angle	Approx. 180°	
• Mounting height	1.10 m / 2.20 m (depending on the version)	
• Sensing field		
- 1.10 m lens	Approx. 12 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 / day mode	
• Sensitivity	Approx. 20 ... 100 %	
• Number of extension units at the flush-mounting insert		
- Motion detector extension units	Max. 10	
- Mechanical pushbuttons	Unlimited	



5TC1505 (front view)



5TC1505 (rear view)

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 min

Versions

- Mounting height 1.10 m
- Titanium white (similar to RAL 9010)
- Mounting height 2.20 m
- Titanium white (similar to RAL 9010)

5TC1505**5TC1506****Inserts**

- Motion detector relay inserts

Section

Functions / Motion Detectors

Page

10/2

5TC1500

- Motion detector triac inserts

dto.

10/2

5TC1501

- Motion detector extension unit inserts

dto.

10/3

5TC1502**Note**

- Cutout frames must be ordered separately, see ...
- The following intermediate frames, 55 mm x 55 mm, must be ordered separately:
 - Titanium white (similar to RAL 9010)
 - Silver or aluminum metallic (similar to RAL 9006)

Section

Frames

Page

5/5

Frames

5/5

5TG1893

dto.

5/5

5TG1762**Note**

Download the operating and mounting instructions from:
<http://support.automation.siemens.com/ww/view/en/5tc1505/all>

Technical specifications

- Sensing angle
- Mounting height
- Sensing field
 - 1.10 m lens
 - 2.20 m lens
- Number of lenses/ lens levels
 - 1.10 m lens
 - 2.20 m lens
- Rated voltage flush-mounting inserts
- Operating temperature
- Delay time
- Locking time after switch-off
- Brightness threshold value
- Sensitivity
- Number of extension units at the flush-mounting insert
 - Motion detector extension units
 - Mechanical pushbuttons

Approx. 180°
 1.10 m / 2.20 m (depending on the version)

Approx. 12 m x 12 m
 Approx. 12 m x 12 m

18 / 2
 26 / 3

230 V AC, 50 Hz
 Approx. -20 ... +45 °C
 Approx. 10 s ... 30 min

Approx. 3 s
 Approx. 0 ... 80 lux / day mode
 Approx. 20 ... 100 %

Max. 10
 Unlimited

Selection and ordering data

Version			Order No.
General information Size of cover plates: 65 mm x 65 mm			
Note	Section	Page	
Cutout frames must be used, see ...	Frames	5/5	
Note			
- The color silver is identical to aluminum metallic (i-system). - Download the operating and mounting instructions from: http://support.automation.siemens.com/WW/view/en/17738094/133300			
Cover plates for room temperature controllers, NC/CO • Titanium white (similar to RAL 9010)			5TC9226
Inserts	Section	Page	
• Room temperature controllers, 1 NC contact	Functions / Room Temperature Controllers	12/2	5TC9200
• Room temperature controllers, 1 CO contact	dto.	12/2	5TC9201



5TC9226

Selection and ordering data

Version			Order No.
	General information Size of cover plates: 65 mm x 65 mm		
	Note		
	The color silver is identical to aluminum metallic (i-system).		
	Cover plates for TAE outlet boxes and loudspeaker outlet boxes		
	Versions		
	• Titanium white (similar to RAL 9010) • Silver (similar to RAL 9006)		
	Inserts	Section	Page
	• <i>Loudspeaker outlet boxes</i> - Single - Double • HDMI-Connector with claws, white • HDMI-Connector with claws, grey • VGA-Connector with claws, white • VGA-Connector with claws, white • USB-Connector with claws, white • USB-Connector with claws, grey • USB-Double USB-charger	<i>dto.</i> <i>dto.</i> <i>Functions / Data and Communication Systems</i> <i>dto.</i> <i>dto.</i> <i>dto.</i> <i>dto.</i> <i>dto.</i>	13/8 13/8 13/7 13/7 13/7 13/7 13/7 13/7
	Footnote		
1) Version for Austria on request.			
	Cover plates for UAE outlet boxes • For inserts from Rutenbeck (Cat.3, Cat.5 and Cat.6) • 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) • Silver (similar to RAL 9006)		
	Inserts	Section	Page
	<i>UAE outlet boxes</i> • <i>Cat.3, Rutenbeck, 1 x 8-pole</i> • <i>Cat.3, Rutenbeck, 2 x 8-pole (8/8)</i> • <i>UAE outlet boxes, STP Cat.6e</i> - 1X8 POL STP RJ45 - 2X8POL STP RJ45 • <i>UAE outlet boxes, UTP real Cat.6a, Rutenbeck</i> - 1X8POL UTP RJ45 - 2X8POL UTP RJ45	<i>Functions / Data and Communication Systems</i> <i>dto.</i> <i>dto.</i> <i>dto.</i> <i>dto.</i>	13/2 13/2 13/3 13/3 13/3 13/3
	Cover plates for UAE outlet boxes, with labeling field • For inserts from Rutenbeck (Cat.3, Cat.5 and Cat.6) • 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) • Silver (similar to RAL 9006)		
	Inserts	Section	Page
	<i>UAE outlet boxes</i> • <i>Cat.3, Rutenbeck, 1 x 8-pole</i> • <i>Cat.3, Rutenbeck, 2 x 8-pole (8/8)</i> • <i>UAE outlet boxes, STP Cat.6e</i> - 1X8 POL STP RJ45 - 2X8POL STP RJ45 • <i>UAE outlet boxes, UTP real Cat.6a, Rutenbeck</i> - 1X8POL UTP RJ45 - 2X8POL UTP RJ45	<i>Functions / Data and Communication Systems</i> <i>dto.</i> <i>dto.</i> <i>dto.</i> <i>dto.</i>	13/2 13/2 13/3 13/3 13/3 13/3



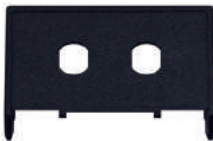
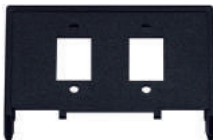
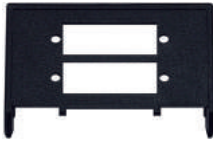
5TG1800-2



5TG1818



5TG1821

Version			Order No.
 5TG2056	Cover plates, for Modular Jack support plate - Cover plates with shutter - For Modular Jack support plates		
	Versions - Titanium white (similar to RAL 9010) - Electrical white (RAL 1013)		5TG2056 5TG2057
	Inserts	Section	Page
	<i>Modular Jack support plates</i> - Red inserts - Black inserts - Yellow inserts - Orange inserts - Blue inserts - Brown inserts - Green inserts - Transparent inserts - White inserts - Grey inserts - Silver inserts - Beige inserts	<i>Functions / Data and Communication Systems</i> dto. dto. dto. dto. dto. dto. dto. dto. dto. dto. dto.	13/3 13/3 13/4 13/4 13/4 13/5 13/5 13/5 13/5 13/6 13/6 13/6
	Note - Intermediate frame required for insertion in devices, 55 x 55 mm (5TG1893) - Cutout frames necessary		5TG2078 5TG2080 5TG2081 5TG2082 5TG2083 5TG2084 5TG2058 5TG2058-1 5TG2058-2 5TG2058-3 5TG2058-4 5TG2098
 5TG1916	Cover plates, inclined outlet - For fiber-optic mounting plates - Titanium white (similar to RAL 9010)		5TG1916
	Note Cutout frames must be used, see ...	Section Frames	Page 5/5
 5TG1913	Mounting plates for "cover plates, inclined outlet", 2 x "ST" AMP For fiber-optic installation coupling		5TG1913
	 5TG1914	Mounting plates for "cover plates, inclined outlet", 2 x "SC" For fiber-optic installation coupling	
 5TG1915		Mounting plates for "cover plates, inclined outlet", 2 x "SC Duplex" AMP For fiber-optic installation coupling	

Selection and ordering data



Version		Order No.
General information - Degree of protection: IP20 - Size of cover plates: 65 mm x 65 mm		
Note The color silver is identical to aluminum metallic (i-system).		
Cover plates for TV/RF/SAT connection, 2-hole and 3-hole version		
Versions - Titanium white (similar to RAL 9010) - Silver (similar to RAL 9006)		5TG1828-2 5TG1778-2
Inserts	Section	Page
Aerial branch-circuit boxes	<i>Functions / Data and Communication Systems</i>	13/2
Aerial through-way boxes/terminal boxes	<i>dto.</i>	13/2
		5TG2485 5TG2484



5TG1828-2

Equipotential bonding

Selection and ordering data

Version			Order No.	
 5TG2564	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 terminals • Titanium white (similar to RAL 9010)		5TG2564	
	Note For angled connector according to DIN 42801.			
	Note	Section	Page	5TG1893
	Intermediate frame, for inserting devices with cover plate 55 mm x 55 mm must be used, titanium white, see ...	Frames	5/5	

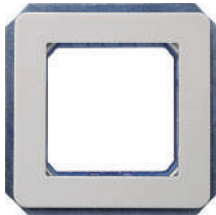
Surface-mounting enclosures

Selection and ordering data

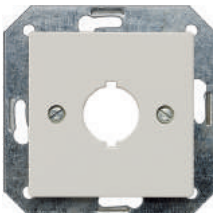
Version		Order No.
	Surface-mounting enclosures Titanium white (similar to RAL 9010)	5TG1825 5TG1826
	Versions	
	• Single, 80 mm x 80 mm x 42.5 mm • Double, 150 mm x 80 mm x 42.5 mm	
5TG1825		

Module carriers for the m-system

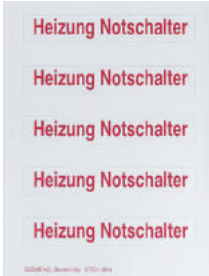
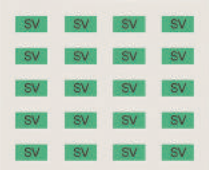
Selection and ordering data

Version			Order No.
	Module carriers, 1M • For holding one m-system module • For screw fixing		5TG1911
	Versions • Titanium white (similar to RAL 9010) • Silver (similar to RAL 9006)		
	Note	Section	Page
	For module inserts, see ...	<i>Design / m-system</i>	7/6
5TG1911			
	Module carriers, 2M • For holding one m-system module • For screw fixing		5TG1912
	Versions • Titanium white (similar to RAL 9010) • Silver (similar to RAL 9006)		
	Note	Section	Page
	For module inserts, see ...	<i>Design / m-system</i>	7/6
5TG1912			

Selection and ordering data

Version			Order No.	
	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 (i-system).			
	Blanking cover plates		5TG1810 5TG1770	
	Versions • Titanium white (similar to RAL 9010) • Silver (similar to RAL 9006)			
	Outlet plates		5TG1807 5TG1787	
	Versions • Titanium white (similar to RAL 9010) • Silver (similar to RAL 9006)			
	LED light signals • Supply voltage 90 ... 240 V AC, 50/60 Hz • Power consumption: 1 W • Can be fitted horizontally or vertically • Opaque-white		5TG9880-3 5TG9880-4 5TG9880-5 5TG9880-6	
	Versions • White, illuminated • Blue, illuminated • Red, illuminated • Green, illuminated			
	Note	Section		Page
	• For module carriers for DELTA line and DELTA miro, see ...	Design / m-system / Module carriers for DELTA line and DELTA miro		7/4
	• Module carriers for DELTA profil, see ...	Design / m-system / Module carriers for the DELTA profil		7/5
	• For module carriers for DELTA style, see ...	Design/m-system/Module carriers for DELTA style	7/5	
	• For Technical specifications, see ...	Technical Information / m-system / LED light signals	16/70	
	Cover plates for flush-mounting control devices • For screw fixing • 55 mm x 55 mm		5TG2567 5TG2568	
	Versions • Titanium white (similar to RAL 9010) - For 18,5 mm Ø - For 22,5 mm Ø (DIN 43696) • Yellow (similar to RAL 1018) - For 18,5 mm Ø - For 22,5 mm Ø (DIN 43696)			
		Note	Section	Page
• Intermediate frames in matching colors must be ordered separately, see ... • EMERGENCY-STOP pushbutton, see ...		Frames Automation Technology / Industrial Switchgear / Control and Signaling Devices / Pushbuttons and LEDs	5/5 –	
	Volume control • 3 W, 27 Ω, mono • Axis diameter 4 mm • Titanium white (similar to RAL 9010)		5TG4801	

Selection and ordering data

Version		Order No.																								
Accessories for rockers																										
	Labeling field inserts "Heating Emergency Switch" (inscription in German) for rockers with labeling field	5TG1894																								
5TG1894																										
	LED light inserts, for switch and pushbutton inserts For all rockers with windows																									
5TG7315	<table><tr><th>Fluorescent color</th><th>Rated voltage</th><th>Power consumption in mA</th></tr><tr><td rowspan="4">• Red</td><td>8 V AC</td><td>2</td></tr><tr><td>12 V AC</td><td>2</td></tr><tr><td>24 V AC</td><td>2</td></tr><tr><td>230 V AC</td><td>1</td></tr><tr><td rowspan="2">• Orange</td><td>230 V AC</td><td>0,9</td></tr><tr><td>- Normal</td><td>230 V AC</td><td>1,0</td></tr><tr><td rowspan="2">• White</td><td>230 V AC</td><td>1,1</td></tr><tr><td>• Blue</td><td>230 V AC</td><td>1,1</td></tr></table> Note - The LED light inserts cannot be used in all rocker color versions, since the rocker might be fitted with a colored window already. - If using the LED light inserts together with energy-saving lamps or lights with conventional primary switching device, the LED may flicker slightly.	Fluorescent color	Rated voltage	Power consumption in mA	• Red	8 V AC	2	12 V AC	2	24 V AC	2	230 V AC	1	• Orange	230 V AC	0,9	- Normal	230 V AC	1,0	• White	230 V AC	1,1	• Blue	230 V AC	1,1	5TG7315 5TG7316 5TG7317 5TG7353 5TG7333 5TG7343 5TG7354 5TG7355
Fluorescent color	Rated voltage	Power consumption in mA																								
• Red	8 V AC	2																								
	12 V AC	2																								
	24 V AC	2																								
	230 V AC	1																								
• Orange	230 V AC	0,9																								
	- Normal	230 V AC	1,0																							
• White	230 V AC	1,1																								
	• Blue	230 V AC	1,1																							
	Glow lamps for switch and pushbutton inserts - Protected against contact 230 V AC - Reduced luminosity - Power consumption 0.18 mA - Base color: white	5TG7321																								
5TG7321																										
Accessories for socket outlets																										
	Label sheets "SV" - For marking the inserts 1 sheet contains 20 self-adhesive labels	5UH1084																								
5UH1084																										
	Label sheets "ZSV" - For marking the inserts 1 sheet contains 20 self-adhesive labels	5UH1085																								
5UH1085																										
	Label sheets "WSV" - For marking the inserts 1 sheet contains 20 self-adhesive labels	5UH1086																								
5UH1086																										

Accessories and spare parts

Version		Order No.						
Accessories for dimmers								
 5TG8302	Spare fuses 250 V							
	Versions							
	• T 1,6 H 250 V - For incandescent lamp dimmers, 50 ... 400 W (5TC8256) - For sensor dimmers, with/without memory function, 20 ... 400 W (5TC8240/5TC8232) • T 2,5 H 250 V - For incandescent lamp dimmers, 50 ... 600 W (5TC8257) • T 4 H 250 V - For low-voltage dimmers for magnetic transformers (5TC8283) - For electronic potentiometers (5TC8424 and 5TC8420) - For speed regulating rheostats (5TC8604)	5TG8302 5TG8305 5TG8330						
Accessories for shutter/blind controls								
 5TC1526	Sun sensors • With 2-m connecting cable (extendable to 10 m) • In combination with the Comfort shutter/blind control, the sun sensor can be used for sun protection and twilight functions	5TC1526						
	<table><tr><th>Note</th><th>Section</th><th>Page</th></tr><tr><td>For Technical specifications, see ...</td><td>Technical Information /Shutter/ Blind Controls /Comfort shutter/ blind con-rols</td><td>16/58</td></tr></table>	Note	Section	Page	For Technical specifications, see ...	Technical Information /Shutter/ Blind Controls /Comfort shutter/ blind con-rols	16/58	
Note	Section	Page						
For Technical specifications, see ...	Technical Information /Shutter/ Blind Controls /Comfort shutter/ blind con-rols	16/58						
Spare parts								
 5TG7304	Spare glow lamps for SCHUKO® socket outlets with status display 1.5 mA, 230 V AC/50 Hz	5TG7304						
	Spare overvoltage protection modules For SCHUKO® socket outlets with overvoltage protection		5UH1300					
 5UH1300	<table><tr><th>Note</th><th>Section</th><th>Page</th></tr><tr><td>For Technical specifications, see ...</td><td>Technical Information / Socket Outlets / SCHUKO® socket outlets with overvoltage protection</td><td>16/12</td></tr></table>	Note	Section	Page	For Technical specifications, see ...	Technical Information / Socket Outlets / SCHUKO® socket outlets with overvoltage protection	16/12	
	Note	Section	Page					
For Technical specifications, see ...	Technical Information / Socket Outlets / SCHUKO® socket outlets with overvoltage protection	16/12						



6/2	Introduction
6/5	Frames
6/6	Switches and pushbuttons
6/10	Socket outlets
6/14	International plug-and-socket devices
6/15	Shutter/blind controls
6/18	Lighting controls
6/20	Motion detectors
6/21	Room temperature controllers
6/22	Communication
6/24	TV / RF / SAT
6/25	Surface-mounting enclosures
6/26	Module carriers for the m-system
6/27	Add-on devices
6/29	Accessories and spare parts

Overview

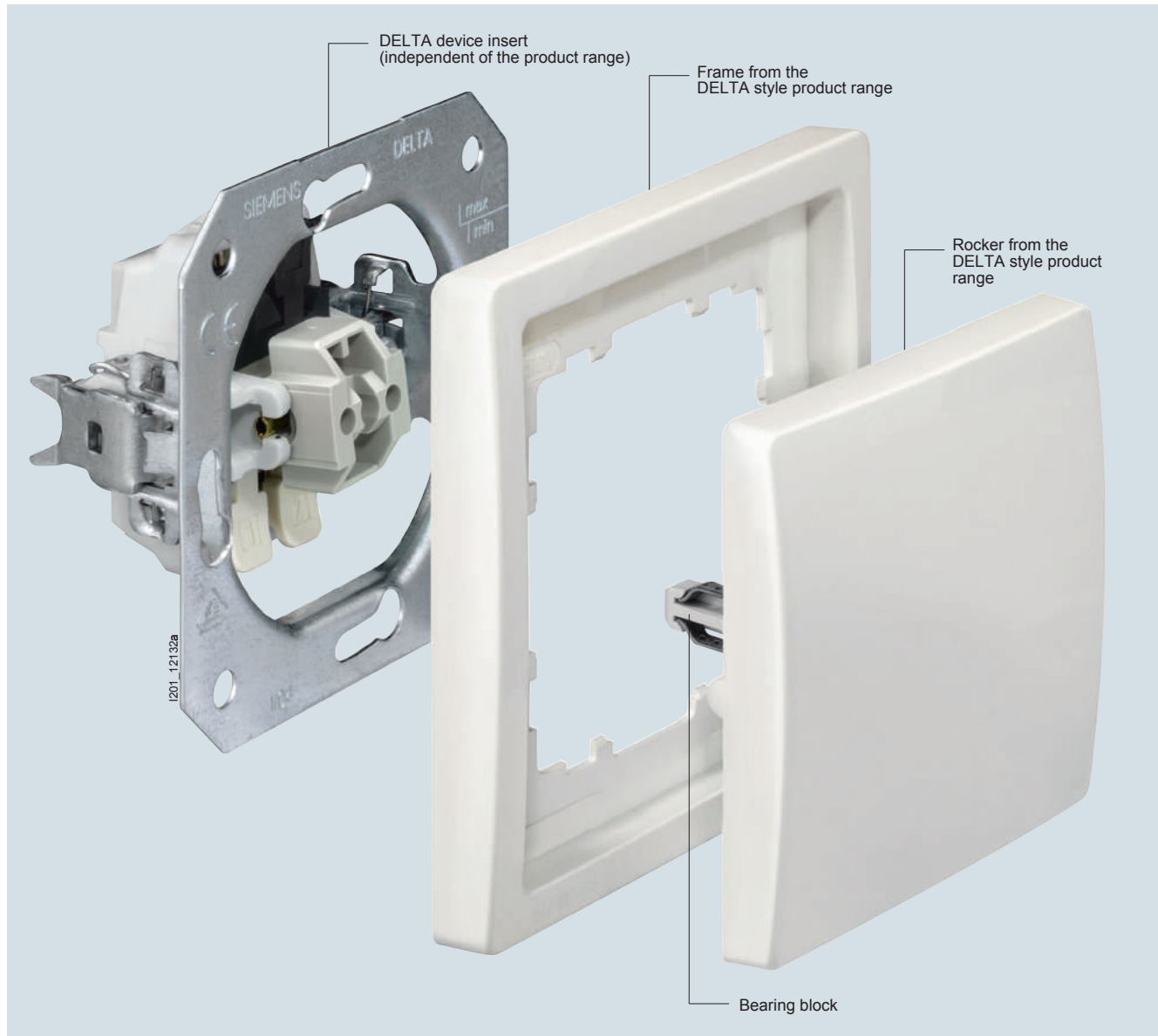
Colors and designs of the DELTA style product range



Titanium white



Platinum metallic

Technical design of the DELTA style product range

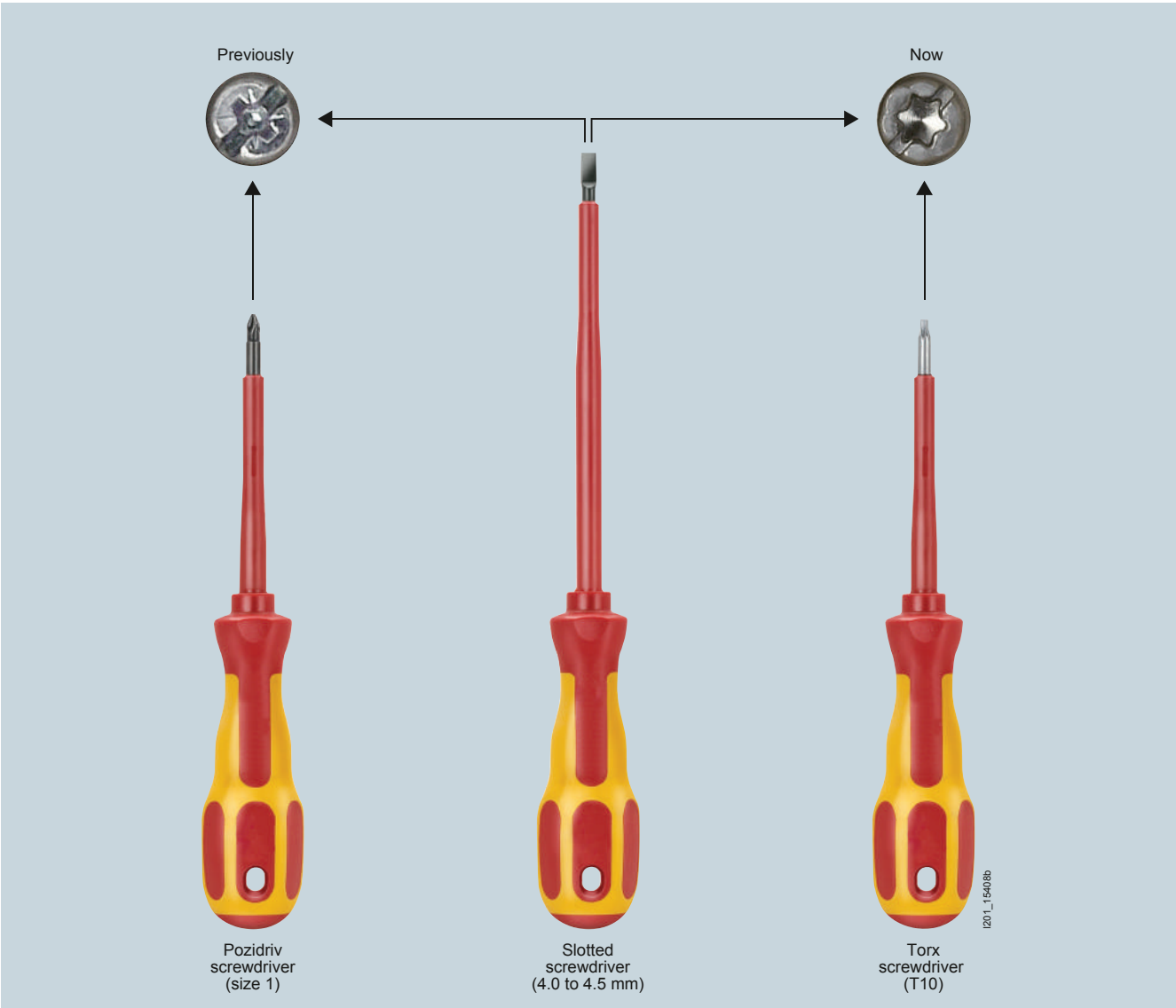
Introduction

Combination screws for Torx T10 and slotted screwdrivers

6



All our inserts for switches and pushbuttons, and all SCHUKO® socket outlets from the DELTA product range, are equipped with the new combination screws.



Use of different screwdrivers on the previously used and new combination screw.

Selection and ordering data

Version			Order No.
General information - For horizontal and vertical mounting - Degree of protection: IP20			
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>	6/29	5TG4324
• Degree of protection IP44 for <i>SCHUKO®</i> socket outlets with <i>hinged lid</i> can be achieved using an <i>IP44 seal</i> , for socket outlets, see ...	<i>dto.</i>	6/30	5TG4318
Frames, 82 mm			
Versions - Titanium white (similar to RAL 9010) - Single, 82 mm x 82 mm - Double, 153 mm x 82 mm - Triple, 224 mm x 82 mm - Quadruple, 295 mm x 82 mm - Quintuple, 366 mm x 82 mm - Platinum metallic (similar to RAL 9007) - Single, 82 mm x 82 mm - Double, 153 mm x 82 mm - Triple, 224 mm x 82 mm - Quadruple, 295 mm x 82 mm - Quintuple, 366 mm x 82 mm			5TG1321 5TG1322 5TG1323 5TG1324 5TG1325 5TG1321-1 5TG1322-1 5TG1323-1 5TG1324-1 5TG1325-1
 5TG1321			
Intermediate frames, 68 mm			
Versions - Titanium white (similar to RAL 9010) - For inserting devices with cover plate 51 mm x 51 mm - For inserting devices with cover plate 55 mm x 55 mm - For inserting devices with cover plate 65 mm x 65 mm - Platinum metallic (similar to RAL 9007) - For inserting devices with cover plate 51 mm x 51 mm - For inserting devices with cover plate 55 mm x 55 mm - For inserting devices with cover plate 65 mm x 65 mm			5TG1326 5TG1327 5TG1328 5TG1326-1 5TG1327-1 5TG1328-1
 5TG1326			
 5TG1327			
 5TG1328			

Switches and pushbuttons

Selection and ordering data

Version			Order No.
General information - Size of rockers: 68 mm x 68 mm - Degree of protection: IP20			
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>	6/29	5TG4324
• For extension claws, see ...	<i>Functions/Switching/Push-button Control/Dimming /Accessories and spare parts</i>	9/17	
Rockers, neutral			
Versions			
- Titanium white (similar to RAL 9010) - Platinum metallic (similar to RAL 9007)			5TG7141 5TG7141-1
Inserts	Section	Page	
• <i>Universal switches</i>	<i>Functions/Switching/Push-button Control/Dimming</i>	9/3	5TA2156
• <i>Intermediate switches</i>	<i>dto.</i>	9/4	5TA2117
• <i>ON/OFF switches, 1-pole</i>	<i>dto.</i>	9/4	5TA2151
• <i>Pushbuttons, 1 NO contact</i>	<i>dto.</i>	9/8	5TD2120
• <i>Pushbuttons, 1 CO contact</i>	<i>dto.</i>	9/9	5TD2123
Rockers with "Bell" symbol			
Versions			
- Titanium white (similar to RAL 9010) - Platinum metallic (similar to RAL 9007)			5TG7144 5TG7144-1
Inserts	Section	Page	
• <i>Pushbuttons, 1 NO contact</i>	<i>Functions/Switching/Push-button Control/Dimming</i>	9/8	5TD2120
• <i>Pushbuttons, 1 CO contact</i>	<i>dto.</i>	9/9	5TD2123
Rockers with "Door Opener" symbol			
Versions			
- Titanium white (similar to RAL 9010) - Platinum metallic (similar to RAL 9007)			5TG7148 5TG7148-1
Inserts	Section	Page	
• <i>Pushbuttons, 1 NO contact</i>	<i>Functions/Switching/Push-button Control/Dimming</i>	9/8	5TD2120
• <i>Pushbuttons, 1 CO contact</i>	<i>dto.</i>	9/9	5TD2123
Rockers with I/O symbols			
Versions			
- Titanium white (similar to RAL 9010) - Platinum metallic (similar to RAL 9007)			5TG7142 5TG7142-1
Inserts	Section	Page	
• <i>ON/OFF switches, 2-pole, 10 AX</i>	<i>Functions/Switching/Push-button Control/Dimming</i>	9/5	5TA2112
• <i>ON/OFF switches, 2-pole, 16 AX</i>	<i>dto.</i>	9/5	5TA2162
• <i>ON/OFF switches, 3-pole, 16 A</i>	<i>dto.</i>	9/5	5TA2153

Switches and pushbuttons

Version			Order No.
	Rockers with window		
	Versions		
	• Titanium white (similar to RAL 9010) • Platinum metallic (similar to RAL 9007)		5TG7140 5TG7140-1
	Inserts	Section	Page
	• Switches with pilot lamp, for ON/OFF switching	Functions / Switching/Push-button Control/Dimming	9/6
	• Switches with pilot lamp, for two-way switching	dto.	9/6
	• Pushbuttons, 1 NO contact, with separate neutral terminal	dto.	9/9
	• Pushbuttons, 1 CO contact, with separate neutral terminal	dto.	9/9
	• Pushbuttons, with separate check-back indication	dto.	9/10
	• Universal switches	dto.	9/3
	Rockers with "Light" symbol and window		
	Versions		
	• Titanium white (similar to RAL 9010) • Platinum metallic (similar to RAL 9007)		5TG7146 5TG7146-1
	Inserts	Section	Page
	• Universal switches	Functions / Switching/Push-button Control/Dimming	9/3
	• Intermediate switches	dto.	9/4
	• ON/OFF switches, 1-pole	dto.	9/4
	• Switches with pilot lamp, for ON/OFF switching	dto.	9/6
	• Switches with pilot lamp, for two-way switching	dto.	9/6
	• Pushbuttons, 1 NO contact	dto.	9/8
	Rockers with labeling field		
	Versions		
	• Titanium white (similar to RAL 9010) • Platinum metallic (similar to RAL 9007)		5TG7156 5TG7156-1
	Inserts	Section	Page
	• Universal switches	Functions / Switching/Push-button Control/Dimming	9/3
	• Intermediate switches	dto.	9/4
	• ON/OFF switches, 1-pole	dto.	9/4
	• Pushbuttons, 1 NO contact	dto.	9/8
	• Pushbuttons, 1 CO contact	dto.	9/9
	Note	Section	Page
	Rockers with "Bell" symbol, labeling field and window		
	Versions		
	• Titanium white (similar to RAL 9010) • Platinum metallic (similar to RAL 9007)		5TG7150 5TG7150-1
	Inserts	Section	Page
	• Pushbuttons, 1 NO contact	Functions / Switching/Push-button Control/Dimming	9/8
	• Pushbuttons, 1 CO contact	dto.	9/9
	Note	Section	Page
	LED light inserts, see ...	Accessories and spare parts	6/29

Switches and pushbuttons

6

Version		Order No.	
	Rockers with labeling field and window		
	Versions		
	• Titanium white (similar to RAL 9010) • Platinum metallic (similar to RAL 9007)		5TG7155 5TG7155-1
	Inserts	Section	Page
	• Universal switches	Functions / Switching/Push-button Control/Dimming	9/3
	• Switches with pilot lamp, for ON/OFF switching	dto.	9/6
	• Intermediate switches	dto.	9/4
	• ON/OFF switches, 1-pole	dto.	9/4
	• Switches with pilot lamp, for two-way switching	dto.	9/6
	• Pushbuttons, 1 NO contact	dto.	9/8
• Pushbuttons, 1 NO contact, with separate neutral terminal	dto.	9/9	
• Pushbuttons, 1 CO contact	dto.	9/9	
• Pushbuttons, with separate check-back indication	dto.	9/10	
• Pushbuttons, 1 CO contact, with separate neutral terminal	dto.	9/9	
Note	Section	Page	
	• Switches with pilot lamp for ON/OFF switching (5TA2150) can be used as heating emergency switch. The required 5TG1316 labeling field insert "Heating Emergency Switch" must be ordered separately, see ...	Accessories and spare parts	6/29
	• For 5TT1210 delay timers and 5TT1200 timers, the 5TG1305 sheet of pictographs for single rocker must be ordered separately, see ...	dto.	6/29
	• LED light inserts, see ...	Accessories and spare parts	6/29
			5TG1316
			5TG1305
	Rockers, double, neutral		
	Versions		
	• Titanium white (similar to RAL 9010) • Platinum metallic (similar to RAL 9007)		5TG7145 5TG7145-1
	Inserts	Section	Page
	• Double two-way switches	Functions / Switching/Push-button Control/Dimming	9/7
	• Two-circuit switches	dto.	9/7
	• Pushbuttons, double, 1 NO contact, 1 CO contact	dto.	9/10
	• Pushbuttons, double, 2 NO contacts	dto.	9/10
			5TA2118
			5TA2155
	Rockers, double, with Up/Down symbols		
	Versions		
	• Titanium white (similar to RAL 9010) • Platinum metallic (similar to RAL 9007)		5TG7143 5TG7143-1
	Inserts	Section	Page
	• Shutter/blind switches, with electrical and mechanical interlock	Functions / Shutter/blind controls	11/2
	• Shutter/blind pushbuttons, with electrical interlock	dto.	11/2
			5TA2154
			5TA2114
	Rockers, double, with window		
	Versions		
	• Titanium white (similar to RAL 9010) • Platinum metallic (similar to RAL 9007)		5TG7158 5TG7158-1
	Inserts	Section	Page
	• Two-circuit switches	Functions / Switching/Push-button Control/Dimming	9/7
	• Pushbuttons, double, 2 NO contacts	dto.	9/10
			5TA2155
			5TD2111

5TG7155

5TG1316

5TG7145

5TG7143

5TG7158

Version			Order No.
	Rockers, double, with labeling field and window		
	Versions		
	• Titanium white (similar to RAL 9010) • Platinum metallic (similar to RAL 9007)		5TG7157 5TG7157-1
	Inserts	Section	Page
	• <i>Two-circuit switches</i> • <i>Pushbuttons, double, 2 NO contacts</i>	<i>Functions / Switching/ Push-button Control/ Dimming dto.</i>	<i>9/7</i> <i>9/10</i>
Note	Section	Page	
	For the rocker, double, with labeling field and window, the 5TG1306 sheet of pictographs for double rocker must be ordered separately, see ...	<i>Accessories and spare parts</i>	<i>6/29</i> 5TG1306
	Rockers with pull actuation		
	Cord approx. 2 m		
	Versions		
	• Titanium white (similar to RAL 9010) • Platinum metallic (similar to RAL 9007)		5TG7151 5TG7151-1
	Inserts	Section	Page
• <i>Pushbuttons, 1 NO contact</i> • <i>Pushbuttons, 1 CO contact</i>	<i>Functions / Switching/ Push-button Control/ Dimming dto.</i>	<i>9/8</i> <i>9/9</i>	
			5TD2120 5TD2123
	Hotel card switches, with lighting		
	• Includes white LED light insert (5TG7354) • 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		
	• Titanium white (similar to RAL 9010) • Platinum metallic (similar to RAL 9007)		5TG4830 5TG4830-1
	Service switches, double		
	• Mechanical interlocking • Imprint in English: "DO NOT DISTURB" and "MAKE UP ROOM"		
	Versions		
	• Titanium white (similar to RAL 9010) • Platinum metallic (similar to RAL 9007)		5TD2863 5TD2863-1
	Note		
The service switch can also be used as a supplement to the service display.			
	Service displays	Section	Page
	• Titanium white (similar to RAL 9010) • Platinum metallic (similar to RAL 9007)	<i>Add on devices</i> <i>dto.</i>	<i>6/28</i> <i>6/28</i>
			5TD2862 5TD2862-1

Selection and ordering data

Version			Order No.
General information • For screw and claw fixing • SCHUKO® socket outlets: 16 A, 250 V AC; 10 A, 250 V DC • Live parts of inserts are covered by molded plastic, with self-retracting claws • The screwless terminals are connecting terminals for Cu and aluminum conductors up to 2.5 mm² • Degree of protection: IP20 • Size of cover plates: 68 mm x 68 mm			
Note	Section	Page	
For extension claws, see ...	Functions / Switching/ Push-button Control/Dimming / Accessories and spare parts	9/17	
SCHUKO® socket outlets			
Versions • Titanium white (similar to RAL 9010) - With claws - Without claws for hollow-wall mounting • Platinum metallic (similar to RAL 9007) • Green (similar to RAL 6018) - Without labeling - For use with SV¹⁾ • Orange (similar to RAL 2004) - Without labeling - For use with ZSV²⁾ • Red (similar to RAL 3003) - Without labeling - For use with WSV³⁾			5UB1853 5UB1853-0KK 5UB1853-1 5UB1851 5UB1850 5UB1828
Note	Section	Page	
Label sheets for marking the inserts, see ...	Accessories and spare parts	6/30	
Footnote			
¹⁾ SV: Safety power supply (AEV). ²⁾ ZSV: Additional safety power supply (BEV) ³⁾ WSV: Another additional safety power supply (BEV).			
SCHUKO® socket outlets with child protection			
Versions • Titanium white (similar to RAL 9010) - With claws - Without claws for hollow-wall mounting • Platinum metallic (similar to RAL 9007) • Green (similar to RAL 6018) - Without labeling - For use with SV¹⁾ • Orange (similar to RAL 2004) - Without labeling - For use with ZSV²⁾ • Red (similar to RAL 3003) - Without labeling - For use with WSV³⁾			5UB1855 5UB1855-0KK 5UB1855-1 5UB1835 5UB1836 5UB1837
Note	Section	Page	
Label sheets for marking the inserts, see ...	Accessories and spare parts	6/30	
Footnote			
¹⁾ SV: Safety power supply (AEV). ²⁾ ZSV: Additional safety power supply (BEV) ³⁾ WSV: Another additional safety power supply (BEV).			
SCHUKO® socket outlets, with "EDV" imprint			
Versions • Titanium white (similar to RAL 9010) • Platinum metallic (similar to RAL 9007)			5UB1825 5UB1825-1
Note	Section	Page	
Label sheets for marking the inserts, see ...	Accessories and spare parts	6/30	



5UB1853



5UB1855



5UB1825

Version			Order No.
	SCHUKO® socket outlets with "SV" imprint¹⁾ Green (similar to RAL 6018)		5UB1826
	Note	Section	Page
	Label sheets for marking the inserts, see ...	Accessories and spare parts	6/30
	Footnote		
5UB1826	¹⁾ SV: Safety power supply (AEV).		
	SCHUKO® socket outlets with "ZSV" imprint¹⁾ Orange (similar to RAL 2004)		5UB1827
	Note	Section	Page
	Label sheets for marking the inserts, see ...	Accessories and spare parts	6/30
	Footnote		
5UB1827	¹⁾ ZSV: Additional safety power supply (BEV).		
	SCHUKO® socket outlets with status display		
	Versions		
	• Titanium white (similar to RAL 9010) • Platinum metallic (similar to RAL 9007) • Green (similar to RAL 6018) (SV)¹⁾ • Orange (similar to RAL 2004) (ZSV)²⁾		5UB1844 5UB1844-1 5UB1845 5UB1846
	Note	Section	Page
5UB1844	• 5TG7304 spare glow lamp, for SCHUKO® socket outlet with status display, see ...	Accessories and spare parts	6/31
	• Label sheets, for marking the inserts, see ...	dto.	6/30
	• For Technical specifications, see ...	Technical Information / Socket Outlets / SCHUKO® socket outlet with status display	16/12
	Footnote		
	¹⁾ SV: Safety power supply (AEV).		
	²⁾ ZSV: Additional safety power supply (BEV)		
	SCHUKO® socket outlets, with child protection and labeling field		
	Versions		
	• Titanium white (similar to RAL 9010) • Platinum metallic (similar to RAL 9007) • Green (similar to RAL 6018) - Without labeling - For use with SV¹⁾ • Orange (similar to RAL 2004) - Without labeling - For use with ZSV²⁾ • Red (similar to RAL 3003) - Without labeling - For use with WSV³⁾		5UB1857 5UB1857-1 5UB1815 5UB1816 5UB1856
	Note	Section	Page
	Label sheets for marking the inserts, see ...	Accessories and spare parts	6/30
	Footnote		
	¹⁾ SV: Safety power supply (AEV).		
	²⁾ ZSV: Additional safety power supply (BEV)		
	³⁾ WSV: Another additional safety power supply (BEV).		

Version			Order No.
	SCHUKO® socket outlets, with child protection , status display and labeling field		
	Versions		
	• Titanium white (similar to RAL 9010) • Platinum metallic (similar to RAL 9007)		
	Note	Section	Page
	SCHUKO® socket outlets with child protection, overvoltage protection, function indication and labeling field		
	Versions		
	• Titanium white (similar to RAL 9010) • Platinum metallic (similar to RAL 9007)		
	Note	Section	Page
	SCHUKO® socket outlets with hinged lid		
	Versions		
	• Titanium white (similar to RAL 9010) • Platinum metallic (similar to RAL 9007) • Green (similar to RAL 6018) - Without labeling - For use with SV¹⁾ • Orange (similar to RAL 2004) - Without labeling - For use with ZSV²⁾ • Red (similar to RAL 3003) - Without labeling - For use with WSV³⁾		
	Note	Section	Page
	SCHUKO® socket outlets with hinged lid and child protection		
	Versions		
	• Titanium white (similar to RAL 9010) • Platinum metallic (similar to RAL 9007)		
	Note	Section	Page
	SCHUKO® socket outlets with hinged lid and child protection and labeling field		
	Versions		
	• Titanium white (similar to RAL 9010) • Platinum metallic (similar to RAL 9007)		
	Note	Section	Page

5UB1854		5UB1854 5UB1854-1	5TG7304
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5UB1858		5UB1858 5UB1858-1	5UH1300
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5UB1852		5UB1852 5UB1852-1 5UB1838 5UB1840 5UB1841	5TG4318
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Footnote			
1) SV: Safety power supply (AEV).			
2) ZSV: Additional safety power supply (BEV)			
3) WSV: Another additional safety power supply (BEV).			

5UB1842		5UB1842 5UB1842-1	5TG4318
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5UB1843		5UB1843 5UB1843-1	5TG4318
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Version			Order No.
	SCHUKO® socket outlets with hinged lid, improved touch protection, status display and labeling field		
	Versions • Titanium white (similar to RAL 9010) • Platinum metallic (similar to RAL 9007)		5UB1847 5UB1847-1
	Note IP44 protection for <i>SCHUKO® socket outlets with a hinged lid</i> can be achieved with the 5TG4318 seal, see ...	Section <i>Accessories and spare parts</i>	Page 6/30
			5TG4318
5UB1847			
	Cover plates with hinged lid		
	For modification of SCHUKO® socket outlets		
	Versions • Titanium white (similar to RAL 9010) • Platinum metallic (similar to RAL 9007)		5TG1340 5TG1340-1
5TG1340			

Selection and ordering data

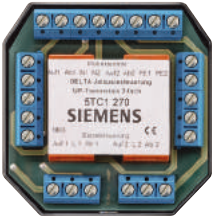
Version		Order No.
	General information • With screw and claw fixing • Size of cover plates: 68 mm x 68 mm	
	Socket outlets with grounding pin and child protection • 16 A, 250 V AC, live parts of the inserts are covered by molded plastic • 2-pole according to CEE7 • French/Belgian standard • With anti-slip terminals, up to 4 x 2.5 mm²	
	Versions • Titanium white (similar to RAL 9010) • Platinum metallic (similar to RAL 9007)	5UB1367 5UB1367-1
	5UB1367	
	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 terminals • Titanium white (similar to RAL 9010)	5UB1368
	5UB1368	
	NEMA socket outlets • In i-system design • 2-pole (2P + E) • NEMA 5-20R • 20 A, 125 V AC • For 58 series mounting boxes • For screw fixing only • Titanium white (similar to RAL 9010)	5UB1534
	Note The <i>NEMA socket outlet</i> can only be used with the <i>DELTA style</i> product range if used together with an <i>intermediate frame</i> , 68 mm, for inserting devices with cover plate 55 mm x 55 mm, titanium white.	5TG1327
	5UB1534	
	NEMA socket outlets with hinged lid • In i-system design • 2-pole (2P + E) • NEMA 5-20R • 20 A, 125 V AC • For 58 series mounting boxes • For screw fixing only • Titanium white (similar to RAL 9010)	5UB1535
	Note The <i>NEMA socket outlet with hinged lid</i> can only be used with the <i>DELTA style</i> product range if used together with an <i>intermediate frame</i> , 68 mm, for inserting devices with cover plate 55 mm x 55 mm, titanium white.	5TG1327
	5UB1535	

Selection and ordering data

Version		Order No.
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		
Versions - Titanium white (similar to RAL 9010) - Platinum metallic (similar to RAL 9007)		5TG7143 5TG7143-1
Inserts - Shutter/blind switches, with electrical and mechanical interlock - Shutter/blind pushbuttons, with electrical interlock	Section <i>Functions / Shutter/blind controls dto.</i>	Page 11/2 11/2
		5TA2154 5TA2114
5TG7143		
Cover plates, with Up/Down symbols, for shutter/blind knob-operated switch		
		
Versions - Titanium white (similar to RAL 9010) - Platinum metallic (similar to RAL 9007)		5TG1360 5TG1360-1
Inserts - Shutter/blind knob-operated switches 1-pole 2-pole	Section <i>Functions / Shutter/blind controls dto.</i>	Page 11/2 11/2
		5TA7692 5TA7693
5TG1360		
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 5TG4225 profile semicylinder must be ordered separately - Titanium white (similar to RAL 9010)		
		
5TA7664		
Versions 1-pole, changeover contact with neutral position - Momentary-contact and maintained-contact position to left and right - Momentary-contact position to left and right - Maintained-contact position to left and right 2-pole, changeover contact with neutral position - Momentary-contact and maintained-contact position to left and right - Momentary-contact position on both sides, key can only be removed when in "OFF" position 2-pole, changeover contact without neutral position - Momentary-contact position to left and right, key can be withdrawn in both switch positions		5TA7664 5TA7666 5TA7668 5TA7665 5TA7667 5TA7670
Note - The following <i>intermediate frames</i> must be ordered separately, in order to achieve the outer dimensions 55 mm x 55 mm: - Titanium white (similar to RAL 9010) - For Technical specifications, see ...	Section <i>Frames</i> <i>Technical Information / Shutter/Blind Controls / Shutter/blind key-operated switches, for master-key systems</i>	Page 6/5 16/53
		5TG1327
Profile semicylinders for "shutter/blind key-operated switches for master-key systems with Up/Down symbols" - CES product - With three keys - Identical key type		5TG4225
		
5TG4225		

Shutter/blind controls

Version			Order No.
 5TC1337	sys shutter/blind pushbuttons		
	Versions		5TC1337 5TC13370PM
	• Titanium white (similar to RAL 9010) • Platinum metallic (similar to RAL 9007)		
	Note	Section	Page
	sys shutter/blind control inserts	Functions / Shutter/blind controls	11/3
Note	Section	Page	
For Technical specifications, see ...	Technical Information / Shutter/Blind Controls / sys shutter/blind pushbuttons	16/54	
 5TC1555	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		5TC1555 5TC1555-1
	• Titanium white (similar to RAL 9010) • Platinum metallic (similar to RAL 9007)		
	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 terminals • 2 relays which are electrically 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			
 5TC1560	Comfort shutter/blind controls		
	• For controlling a blind or shutter motor with mechanical or electronic limit switches and comprehensive functionality (see product features) • Menu-controlled operation by means of 4 control buttons		
	Versions		5TC1560 5TC1560-1
	• Titanium white (similar to RAL 9010) • Platinum metallic (similar to RAL 9007)		
	Note	Section	Page
The sun sensor must be ordered separately, see ...	Accessories and spare parts	6/30	
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 terminals • 2 relays which are electrically 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 programming • 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 to daylight savings • 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			

Version		Order No.					
 5TC1270	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. 5TA2114) • The isolating relay is to be installed into 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 (AC-1) or 3 A (ind.), 230 V AC, 50 Hz • 58 mm x 59 mm x 22 mm	5TC1270					
	<table border="1"> <thead> <tr> <th>Note</th><th>Section</th><th>Page</th></tr> </thead> <tbody> <tr> <td>For Technical specifications, see ...</td><td><i>Technical Information / Shutter/Blind Controls / Shutter/blind control flush-mounting isolating relays</i></td><td>16/62</td></tr> </tbody> </table>	Note	Section	Page	For Technical specifications, see ...	<i>Technical Information / Shutter/Blind Controls / Shutter/blind control flush-mounting isolating relays</i>	16/62
Note	Section	Page					
For Technical specifications, see ...	<i>Technical Information / Shutter/Blind Controls / Shutter/blind control flush-mounting isolating relays</i>	16/62					
 5TC1271	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 shutter/blind pushbutton • If cascaded, a motor can be connected to each compact isolating relay, which can also be individually controlled over a shutter/blind pushbutton • The isolating relay is to be installed into 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 (AC-1) or 3 A (ind.), 230 V AC, 50 Hz • 50 mm x 53 mm x 22 mm	5TC1271					
	<table border="1"> <thead> <tr> <th>Note</th><th>Section</th><th>Page</th></tr> </thead> <tbody> <tr> <td>For Technical specifications, see ...</td><td><i>Technical Information / Shutter/Blind Controls / Shutter/blind control flush-mounting isolating relays, compact</i></td><td>16/63</td></tr> </tbody> </table>	Note	Section	Page	For Technical specifications, see ...	<i>Technical Information / Shutter/Blind Controls / Shutter/blind control flush-mounting isolating relays, compact</i>	16/63
Note	Section	Page					
For Technical specifications, see ...	<i>Technical Information / Shutter/Blind Controls / Shutter/blind control flush-mounting isolating relays, compact</i>	16/63					

Selection and ordering data

Version

Order No.

General information

- For screw and claw fixing
- Degree of protection: IP20
- Size of cover plates: 68 mm x 68 mm

Rotary dimmers



5TC8912

Cover plates with rotary button, for dimmers

Versions

- Titanium white (similar to RAL 9010)
- Platinum metallic (similar to RAL 9007)

5TC8912
5TC8912-1

Symbol	Inserts	Section	Page	
	Incandescent lamp dimmers, 50 ... 400 W	Functions / Switch- ing/Pushbutton Control/Dimming	9/11	5TC8256
	Incandescent lamp dimmers, 50 ... 600 W, for two-way switching	dto.	9/11	5TC8257
	Low-voltage dimmers, for magnetic transformers, 50 ... 600 W, 25 ... 500 VA, for two-way switching	dto.	9/11	5TC8283
	Low-voltage dimmers, for electronic transformers, 20 ... 315 W, 20 ... 315 VA, for two-way switching	dto.	9/12	5TC8262
	Low voltage LED Dimmer 60W, for magnetic transformers 6 ... 120 W, for two-way switching	dto.	9/12	5TC8263
	Low-voltage dimmers, for electronic transformers, 20 ... 600 W, 20 ... 525 VA, for two-way switching	dto.	9/12	5TC8284
	Low-voltage dimmers, for electronic transformers, 60 ... 800 W, 60 ... 800 VA, for two-way switching	dto.	9/12	5TC8258
	Electronic potentiometers, switch	dto.	9/14	5TC8424
	Electronic potentiometers, pushbutton	dto.	9/15	5TC8425

Version		Order No.	
Touch dimmers			
Sys Pushbuttons			
Versions			
• Titanium white (similar to RAL 9010)		5TC1317	
Symbol	Inserts	Section	Page
		Switching/Pushbutton Control/ Dimming	9/13
	50... 420 W		5TC1230
	50... 420 VA		
	70... 420 VA		

Selection and ordering data

Version			Order No.
 5TC1546	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 min • Mounting height 1.10 m • Titanium white (similar to RAL 9010) • Platinum metallic (similar to RAL 9007)		5TC1546 5TC15460PM
	Inserts	Section	Page
	• Motion detector relay inserts	<i>Functions / Motion Detectors</i>	10/2
	• Motion detector triac inserts	<i>dto.</i>	10/2
	• Motion detector extension unit inserts	<i>dto.</i>	10/3
Technical specifications			
• Sensing angle	Approx. 180°		
• Mounting height	1.10 m		
• Sensing field	Approx. 12 m x 12 m		
- 1.10 m lens			
• Number of lenses/ lens levels	18 / 2		
- 1.10 m lens			
• 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 / day mod		
• Sensitivity	Approx. 20 ... 100 %		
• Number of extension units at the flush-mounting insert			
- Motion detector extension units	Max. 10		
- Mechanical pushbuttons	Unlimited		

Selection and ordering data

Version			Order No.
General information • For screw fixing • Degree of protection: IP20 • Size of cover plates: 65 mm x 65 mm, supplied with intermediate frames: 68 mm x 68 mm			
	Cover plates for room temperature controllers, NC/CO • Titanium white (similar to RAL 9010)		5TC9256
	Inserts	Section	Page
	• Room temperature controllers, 1 NC contact • Room temperature controllers, 1 CO contact	<i>Functions / Room Temperature Controllers</i> <i>dto.</i>	12/2 12/2
			5TC9200 5TC9201
C9256			
	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)		5TC9258
	Inserts	Section	Page
	<i>Room temperature controllers, 3-position switch</i>	<i>Functions / Room Temperature Controllers</i>	12/2
			5TC9202
C9258			

Selection and ordering data

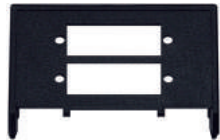
Version			Order No.
General information Size of cover plates: 68 mm x 68 mm			
 5TG1342	Cover plates for TAE outlet boxes and loudspeaker outlet boxes		
	Versions		
	• Titanium white (similar to RAL 9010) • Platinum metallic (similar to RAL 9007)		
	Inserts	Section	Page
	• Loudspeaker outlet boxes - Single - Double	dto. dto.	13/8 13/8
	• HDMI-Connector with claws, white	Functions / Data and Communication Systems	13/7
	• HDMI-Connector with claws, grey	dto.	13/7
	• VGA-Connector with claws, white	dto.	13/7
	• VGA-Connector with claws, white	dto.	13/7
	• USB-Connector with claws, white	dto.	13/7
• USB-Connector with claws, grey	dto.	13/7	
• USB-Double USB-charger	dto.	13/7	
Footnote			
1) Version for Austria on request.			
 5TG1394	Cover plates for UAE outlet boxes, knock-out		
	• For inserts from Rutenbeck (Cat.3, Cat.5 and Cat.6) • 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) • Platinum metallic (similar to RAL 9007)		
	Inserts	Section	Page
	UAE outlet boxes • Cat.3, Rutenbeck, 1 x 8-pole	Functions / Data and Communication Systems	13/2
	• Cat.3, Rutenbeck, 2 x 8-pole (8/8)	dto.	13/2
	• UAE outlet boxes, STP Cat.6e - 1X8 POL STP RJ45 - 2X8POL STP RJ45	dto. dto.	13/3 13/3
	• UAE outlet boxes, UTP real Cat.6a, Rutenbeck - 1X8POL UTP RJ45 - 2X8POL UTP RJ45	dto. dto.	13/3 13/3
	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.			

Version			Order No.
	Cover plates for UAE outlet boxes, knock-out, with labeling plate • For inserts from Rutenbeck (Cat.3, Cat.5 and Cat.6) • 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) • Platinum metallic (similar to RAL 9007)		
	Inserts	Section	Page
	UAE outlet boxes • Cat.3, Rutenbeck, 1 x 8-pole • Cat.3, Rutenbeck, 2 x 8-pole (8/8) • UAE outlet boxes, STP Cat.6e - 1X8 POL STP RJ45 - 2X8POL STP RJ45 • UAE outlet boxes, UTP real Cat.6a, Rutenbeck - 1X8POL UTP RJ45 - 2X8POL UTP RJ45	Functions / Data and Communication Systems dto.	13/213/213/313/3
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.			
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.			
5TG1395			
	Cover plates, for Modular Jack support plate, with labeling field Cover plates with shutter		
	Versions		
	• Titanium white (similar to RAL 9010) • Platinum metallic (similar to RAL 9007)		
	Inserts	Section	Page
	Modular Jack support plates • Red inserts • Black inserts • Yellow inserts • Orange inserts • Blue inserts • Brown inserts • Green inserts • Transparent inserts • White inserts • Grey inserts • Silver inserts • Beige inserts	Functions / Data and Communication Systems dto.	13/313/313/413/413/413/513/513/613/613/6
5TG1343			
	Cover plates, inclined outlet, with labeling field • For fiber-optic mounting plates • For screw fixing		
	Versions		
	• Titanium white (similar to RAL 9010) • Platinum metallic (similar to RAL 9007)		
	Mounting plates for "cover plates, inclined outlet", 2 x "ST" AMP For fiber-optic installation coupling		
	5TG1913		
5TG1358			
5TG1913			

Communication

Version		Order No.
	Mounting plates for "cover plates, inclined outlet", 2 x "SC" AMP For fiber-optic installation coupling	5TG1914
	Mounting plates for "cover plates, inclined outlet", 2 x "SC Duplex" AMP For fiber-optic installation coupling	5TG1915

5TG1914



5TG1915

TV / RF / SAT

Selection and ordering data

Version		Order No.
General information Size of cover plates: 68 mm x 68 mm		
	Cover plates for TV/RF/SAT connection, 2-hole and 3-hole version	
	Versions	
	• Titanium white (similar to RAL 9010) • Platinum metallic (similar to RAL 9007)	
	Inserts	Section Page
	• Aerial branch-circuit boxes	<i>unctions / Data and Communication Systems</i> 13/2
	• Aerial through-way boxes/terminal boxes	<i>dto.</i> 13/2
	Note <i>3rd hole can be knocked out.</i>	

5TG1338

5TG1338
5TG1338-1

5TG2485
5TG2484

Selection and ordering data

Version				Order No.
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 5TG4324 set of seals, see ...	<i>Accessories and spare parts</i>	6/29		5TG4324
• Degree of protection IP44 for SCHUKO® socket outlets with hinged lids can be achieved with the 5TG4318 set of seals, see ...	<i>dto.</i>	6/30		5TG4318
Surface-mounting enclosures Flame-resistant base plate				
Versions - 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 - Platinum metallic (similar to RAL 9007) - 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				5TG2901 5TG2902 5TG2903 5TG2901-1 5TG2902-1 5TG2903-1
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 unit	1 unit	1 unit	
• Double	4 unit	1 unit	1 unit	
• Triple	4 unit	1 unit	1 unit	
Accessories				
• <i>Slide nipples cable entry</i> titanium white (similar to RAL 9010) (one set contains 10 units)	<i>Accessories and spare parts</i>	6/31		5TG2905
• <i>Slide nipples channel entry</i> titanium white (similar to RAL 9010) (one set contains 10 units)	<i>dto.</i>	6/31		5TG2904



5TG2901

Module carriers for the m-system

Selection and ordering data

Version			Order No.
 5TG1391	Module carriers, 1M • For holding one m-system module • For screw fixing		5TG1391 5TG1391-1
	Versions		
	• Titanium white (similar to RAL 9010) • Platinum metallic (similar to RAL 9007)		
	Note	Section	Page
	For module inserts, see ...	<i>Design / m-system / Modules for communication</i>	7/6
	<i>Design / m-system / Other modules</i>	7/7	
 5TG1392	Module carriers, 2M • For holding two m-system modules • For screw fixing		5TG1392 5TG1392-1
	Versions		
	• Titanium white (similar to RAL 9010) • Platinum metallic (similar to RAL 9007)		
	Note	Section	Page
	For module inserts, see ...	<i>Design / m-system / Modules for communication</i>	7/6
	<i>Design / m-system / Other modules</i>	7/7	

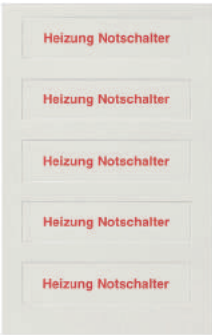
Selection and ordering data

Version		Order No.					
General information - Size of cover plates: 68 mm x 68 mm - For screw and claw fixing							
	Blanking cover plates						
	Versions - Titanium white (RAL 9010) - Platinum metallic (similar to RAL 9007)	5TG1330 5TG1330-1					
5TG1330							
	Outlet plates With strain relief						
	Versions - Titanium white (RAL 9010) - Platinum metallic (similar to RAL 9007)	5TG1335 5TG1335-1					
5TG1335							
	Cover plates for flush-mounting control devices - For screw fixing - Including intermediate frame - For 22.5 mm Ø (DIN 43696)						
	Versions - Titanium white (RAL 9010) - Platinum metallic (similar to RAL 9007)	5TG1333 5TG1333-1					
	<table border="1"> <thead> <tr> <th>Note</th><th>Section</th><th>Page</th></tr> </thead> <tbody> <tr> <td>EMERGENCY-STOP pushbutton, see ...</td><td>Automation Technology / Industrial Controls / Commanding and Signaling Devices / Pushbuttons and Indicator Lights</td><td>--</td></tr> </tbody> </table>	Note	Section	Page	EMERGENCY-STOP pushbutton, see ...	Automation Technology / Industrial Controls / Commanding and Signaling Devices / Pushbuttons and Indicator Lights	--
Note	Section	Page					
EMERGENCY-STOP pushbutton, see ...	Automation Technology / Industrial Controls / Commanding and Signaling Devices / Pushbuttons and Indicator Lights	--					
5TG1333							
	Volume controls 3 W, 27 Ω, mono						
	Versions - Titanium white (RAL 9010) - Platinum metallic (similar to RAL 9007)	5TG4812 5TG4812-1					
5TG4812							
	Cover plates for time switches - Runtime: 15 min - With inscription						
	Versions - Titanium white (RAL 9010) - Platinum metallic (similar to RAL 9007)	5TC8932 5TC8932-1					
	<table border="1"> <thead> <tr> <th>Inserts</th><th>Section</th><th>Page</th></tr> </thead> <tbody> <tr> <td>Time switches</td><td>Functions / Switching/Push-button Control/Dimming / Inserts</td><td>9/15</td></tr> </tbody> </table>	Inserts	Section	Page	Time switches	Functions / Switching/Push-button Control/Dimming / Inserts	9/15
Inserts	Section	Page					
Time switches	Functions / Switching/Push-button Control/Dimming / Inserts	9/15					
5TC8932							

Add-on devices

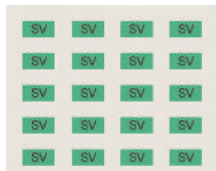
Version		Order No.					
 5TD2862	Service displays • Labeling in English • Including module carrier • Red/Green, illuminated • 90 ... 240 V AC / 50 ... 60 Hz • Power consumption per module approx. 1 W • Approx. 1 Lux at 0.5 m and 230 V • Screw terminals						
	Versions • Titanium white (similar to RAL 9010) • Platinum metallic (similar to RAL 9007)						
	Note The service switch can also be used as a supplement to the service display.						
	<table><tr><th>Service switches, double</th><th>Section</th><th>Page</th></tr><tr><td> • Titanium white (similar to RAL 9010) • Platinum metallic (similar to RAL 9007) </td><td><i>Switches and Pushbuttons</i> <i>dto.</i></td><td>6/9 6/9</td></tr></table>		Service switches, double	Section	Page	• Titanium white (similar to RAL 9010) • Platinum metallic (similar to RAL 9007)	<i>Switches and Pushbuttons</i> <i>dto.</i>
Service switches, double	Section	Page					
• Titanium white (similar to RAL 9010) • Platinum metallic (similar to RAL 9007)	<i>Switches and Pushbuttons</i> <i>dto.</i>	6/9 6/9					
 5TD2863							
		5TD2862 5TD2862-1					
		5TD2863 5TD2863-1					

Selection and ordering data

Version		Order No.																					
Accessories for rockers																							
	Sheets of pictographs With labels for rockers with labeling field(s)	5TG1305 5TG1306																					
	Versions • For single rockers • For double rockers																						
5TG1305																							
	Labeling field inserts "Heating Emergency Switch" For rockers with labeling field	5TG1316																					
5TG1316																							
	IP44 sets of seals for rockers • For single or double rockers • 1 set contains 4 individual seals	5TG4324																					
5TG4324																							
	LED light inserts, for switch and pushbutton inserts For all rockers with windows																						
	<table border="1"> <thead> <tr> <th>Fluorescent color</th><th>Rated voltage</th><th>Power consumption in mA</th></tr> </thead> <tbody> <tr> <td rowspan="4">• Red</td><td>8 V AC</td><td>2</td></tr> <tr> <td>12 V AC</td><td>2</td></tr> <tr> <td>24 V AC</td><td>2</td></tr> <tr> <td>230 V AC</td><td>1</td></tr> <tr> <td rowspan="2">• Orange - normal - Strong</td><td>230 V AC</td><td>0.9</td></tr> <tr> <td>230 V AC</td><td>1.0</td></tr> <tr> <td>• White</td><td>230 V AC</td><td>1.1</td></tr> <tr> <td>• Blue</td><td>230 V AC</td><td>1.1</td></tr> </tbody> </table>		Fluorescent color	Rated voltage	Power consumption in mA	• Red	8 V AC	2	12 V AC	2	24 V AC	2	230 V AC	1	• Orange - normal - Strong	230 V AC	0.9	230 V AC	1.0	• White	230 V AC	1.1	• Blue
Fluorescent color	Rated voltage	Power consumption in mA																					
• Red	8 V AC	2																					
	12 V AC	2																					
	24 V AC	2																					
	230 V AC	1																					
• Orange - normal - Strong	230 V AC	0.9																					
	230 V AC	1.0																					
• White	230 V AC	1.1																					
• Blue	230 V AC	1.1																					
5TG7315		5TG7318 5TG7315 5TG7316 5TG7317 5TG7353 5TG7333 5TG7343 5TG7354 5TG7355																					
Note • The LED light inserts cannot be used in all rocker color versions, since the rocker might be fitted with a colored window already. • If using the LED light inserts together with energy-saving lamps or lights with conventional primary switching device, the LED may flicker slightly.																							

Accessories and spare parts

6

	Version	Order No.						
 5TG7321	Glow lamps for switch and pushbutton inserts • Protected against contact • 230 V AC • Reduced luminosity • Power consumption 0.18 mA • Base color: white	5TG7321						
	Accessories for socket outlets							
 5TG4318	IP44 seals, for socket outlets • For SCHUKO® socket outlets with hinged lid • 1 set contains a single individual seal	5TG4318						
	Label sheets "SV" • For marking the inserts • 1 sheet contains 20 self-adhesive labels							
 5UH1084	Label sheets "ZSV" • For marking the inserts • 1 sheet contains 20 self-adhesive labels	5UH1084						
	Label sheets "ZSV" • For marking the inserts • 1 sheet contains 20 self-adhesive labels							
 5UH1085	Label sheets "WSV" • For marking the inserts • 1 sheet contains 20 self-adhesive labels	5UH1085						
	Label sheets "WSV" • For marking the inserts • 1 sheet contains 20 self-adhesive labels							
 5UH1086	Accessories for dimmers							
	Spare fuses 250 V 5TG8302	Spare fuses 250 V 5TG8302						
 5TG8302	Accessories for shutter/blind controls	Accessories for shutter/blind controls						
	Sun sensors • With 2-m connecting cable (extendable to 10 m) • In combination with the Comfort shutter/blind control, the sun sensor can be used for sun protection and twilight functions 5TC1526	Sun sensors • With 2-m connecting cable (extendable to 10 m) • In combination with the Comfort shutter/blind control, the sun sensor can be used for sun protection and twilight functions 5TC1526						
<table border="1"> <thead> <tr> <th>Note</th><th>Section</th><th>Page</th></tr> </thead> <tbody> <tr> <td>For Technical specifications, see ...</td><td>Technical Information / Shutter/Blind Controls / Comfort shutter/blind controls</td><td>16/58</td></tr> </tbody> </table>			Note	Section	Page	For Technical specifications, see ...	Technical Information / Shutter/Blind Controls / Comfort shutter/blind controls	16/58
Note	Section	Page						
For Technical specifications, see ...	Technical Information / Shutter/Blind Controls / Comfort shutter/blind controls	16/58						

Version		Order No.						
Accessories for surface-mounting enclosures								
	Slide nipples cable entry • Titanium white (similar to RAL 9010) • One set contains 10 units	5TG2905						
5TG2905								
	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	5TG2904						
5TG2904								
Spare parts								
	Spare glow lamps for SCHUKO® socket outlets with status display 1.5 mA, 230 V AC/50 Hz	5TG7304						
5TG7304								
	Spare overvoltage protection modules For SCHUKO® socket outlets with overvoltage protection	5UH1300						
5UH1300								
<table><tr><th>Note</th><th>Section</th><th>Page</th></tr><tr><td>For Technical specifications, see ...</td><td>Technical Information / Socket Outlets / SCHUKO® socket outlets, with overvoltage protection</td><td>16/12</td></tr></table>		Note	Section	Page	For Technical specifications, see ...	Technical Information / Socket Outlets / SCHUKO® socket outlets, with overvoltage protection	16/12	
Note	Section	Page						
For Technical specifications, see ...	Technical Information / Socket Outlets / SCHUKO® socket outlets, with overvoltage protection	16/12						



7/2	Introduction
7/4	Module carriers for DELTA line and DELTA miro
7/5	Module carriers for DELTA profil
7/5	Module carriers for DELTA style
7/6	Modules for communication
7/7	Other modules

Overview

Colors and designs of the m-system

DELTA line



Titanium white



Aluminum metallic



Carbon metallic

DELTA miro



Titanium white



Aluminum metallic



Carbon metallic

DELTA profil



Titanium white



Silver

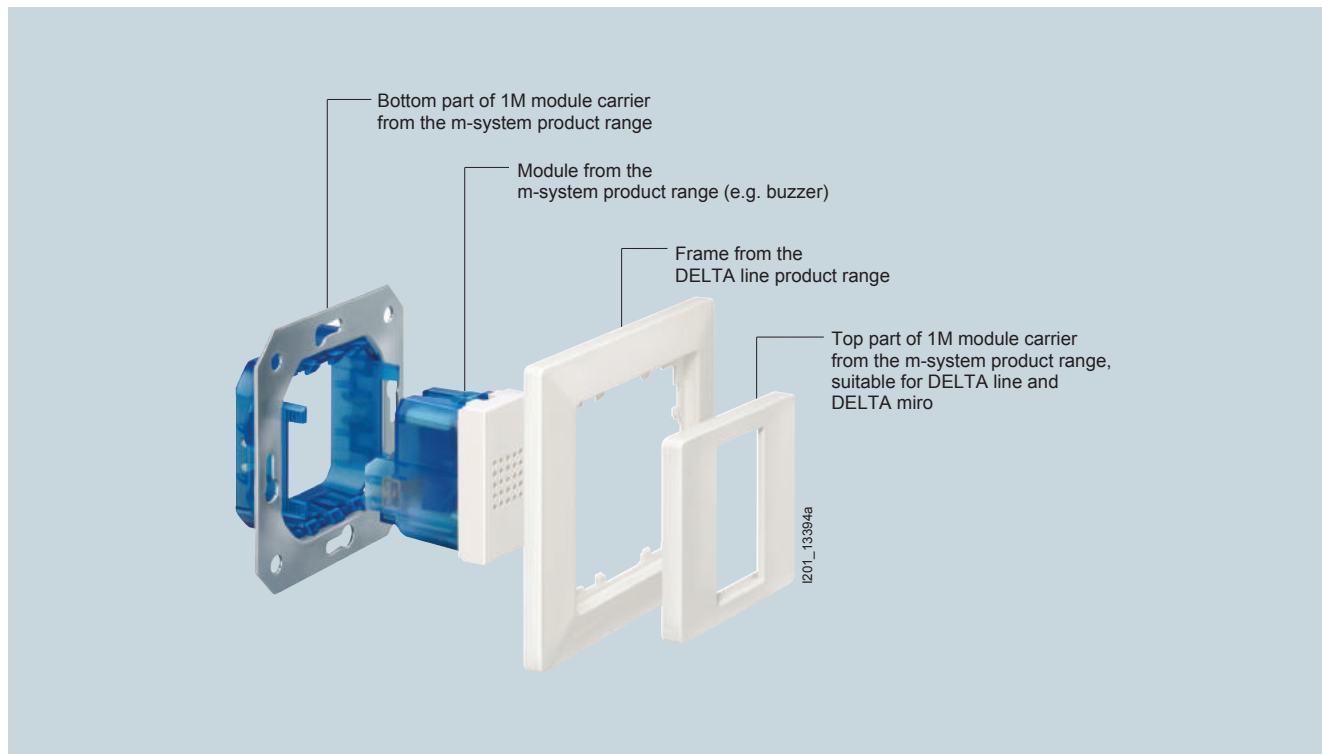
DELTA style



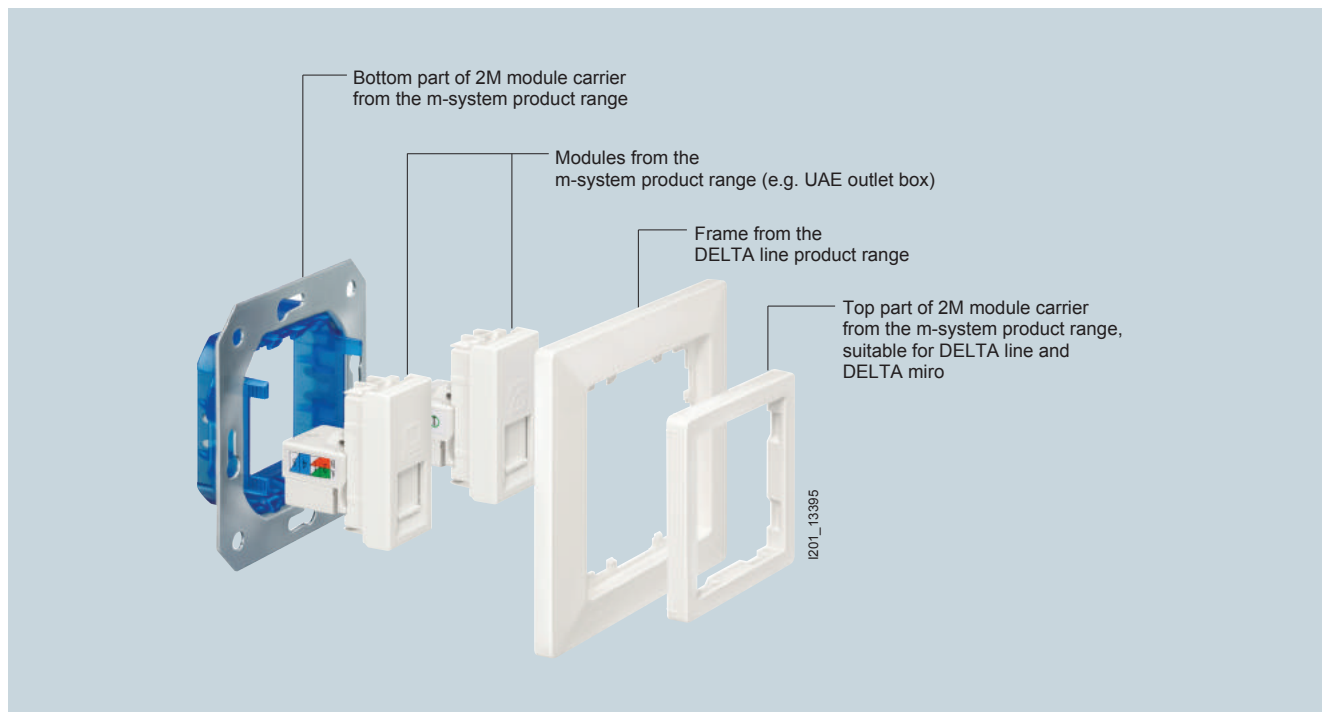
Titanium white



Platinum metallic

Technical design of the m-system with DELTA line as example

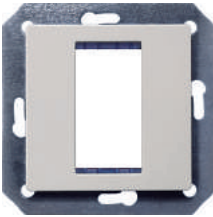
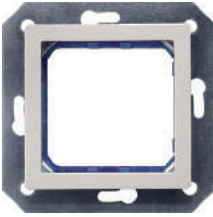
Modular components of m-system (one module) with, for example, DELTA line



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

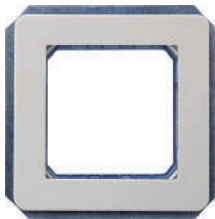
Module carriers for DELTA line and DELTA miro

Selection and ordering data

Version			Order No.
 5TG2008	Module carriers, 1M • For holding one m-system module • For screw fixing		5TG2008 5TG2094 5TG2096
	Versions		
	• Titanium white (similar to RAL 9010) • Aluminum metallic (similar to RAL 9006) • Carbon metallic (similar to RAL 7016)		
	Note	Section	Page (ff.)
	For module inserts, see ...	Design / m-system / Modules for communication Design / m-system / Other modules	7/6 7/7
 5TG2010	Module carriers, 2M • For holding two m-system modules • For screw fixing		5TG2010 5TG2095 5TG2097
	Versions		
	• Titanium white (similar to RAL 9010) • Aluminum metallic (similar to RAL 9006) • Carbon metallic (similar to RAL 7016)		
	Note	Section	Page (ff.)
	For module inserts, see ...	Design / m-system / Modules for communication Design / m-system / Other modules	7/6 7/7

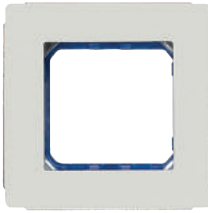
Module carriers for DELTA profil

Selection and ordering data

Version			Order No.
	Module carriers, 1M • For holding one m-system module • For screw fixing		
	Versions		
	• Titanium white (similar to RAL 9010) • Silver (similar to RAL 9006)		
	Note	Section	Page (ff.)
	For module inserts, see ...	Design / m-system / Modules for communication	7/6
5TG1911	Design / m-system / Other modules	7/7	
	Module carriers, 2M • For holding two m-system modules • For screw fixing		
	Versions		
	• Titanium white (similar to RAL 9010) • Silver (similar to RAL 9006)		
	Note	Section	Page (ff.)
	For module inserts, see ...	Design / m-system / Modules for communication	7/6
5TG1912	Design / m-system / Other modules	7/7	

Module carriers for DELTA style

Selection and ordering data

Version			Order No.
	Module carriers, 1M • For holding one m-system module • For screw fixing • Including intermediate frame		
	Versions		
	• Titanium white (similar to RAL 9010) • Platinum metallic (similar to RAL 9007)		5TG1391 5TG1391-1
	Note	Section	Page
For module inserts, see ...	<i>Design / m-system / Modules for communication</i>	<i>7/6</i>	
	<i>Design / m-system / Other modules</i>	<i>7/7</i>	
	Module carriers, 2M • For holding two m-system modules • For screw fixing • Including intermediate frame		
	Versions		
	• Titanium white (similar to RAL 9010) • Platinum metallic (similar to RAL 9007)		5TG1392 5TG1392-1
	Note	Section	Page
For module inserts, see ...	<i>Design / m-system / Modules for communication</i>	<i>7/6</i>	
	<i>Design / m-system / Other modules</i>	<i>7/7</i>	

Selection and ordering data

Version		Order No.
General information		
Note All the modules shown here can be combined with the module carriers of the DELTA line, DELTA miro, DELTA profil product ranges.		
 5TG9874-1TW	UAE outlet boxes, Cat.3 • Telephone socket outlet for modular system • Cat.3 RJ11/12 with shutter • LSA connection method • Can only be used with module carrier, 1M or 2M	
	Versions • Titanium white (similar to RAL 9010) • Aluminum metallic/silver (similar to RAL 9006) • Carbon metallic/anthracite (similar to RAL 7016)	
	Note • For module carriers for DELTA line and DELTA miro, see ...	
	Section <i>Design / m-system / Module carriers for DELTA line and DELTA miro</i>	Page 7/4
	Module carriers for DELTA profil, see ...	7/5
	For module carriers for DELTA style, see ...	7/5
 5TG9874-2TW	UAE outlet boxes, Cat.5 • PC socket outlet for modular system • Cat.5 RJ45 with shutter • LSA connection method • Can only be used with module carrier, 1M or 2M	
	Versions • Titanium white (similar to RAL 9010) • Aluminum metallic/silver (similar to RAL 9006) • Carbon metallic/anthracite (similar to RAL 7016)	
	Note • For module carriers for DELTA line and DELTA miro, see ...	
	Section <i>Design / m-system / Module carriers for DELTA line and DELTA miro</i>	Page 7/4
	Module carriers for DELTA profil, see ...	7/5
	For module carriers for DELTA style, see ...	7/5

Selection and ordering data

Version		Order No.
General information		
Note All the modules shown here can be combined with the module carriers of the DELTA line, DELTA miro, DELTA profil product ranges.		
 5TG9875-8TW	Buzzers • 230 V, 50/60 Hz, 80 dB(A) • Adjustable volume • 100 % duty ratio • screw terminals • Can only be used with module carrier, 1M or 2M	
	Versions • Titanium white (similar to RAL 9010) • Aluminum metallic/silver (similar to RAL 9006) • Carbon metallic/anthracite (similar to RAL 7016) • Platinum metallic (similar to RAL 9007)	
	5TG9875-8TW 5TG9875-8AM 5TG9875-8CM 5TG9875-8PM	
	Note	Section
	• For module carriers for DELTA line, and DELTA miro, see ...	<i>Design / m-system / Module carriers for DELTA line and DELTA miro</i>
	• Module carriers for DELTA profil, see ...	<i>Design / m-system / Module carriers for the DELTA profil</i>
	• For module carriers for DELTA style, see ...	<i>Design / m-system / Module carriers for DELTA style</i>
 5TG9880-3	LED light signals • Supply voltage 90 ... 240 V AC, 50/60 Hz • Power consumption: 1 W • Can be fitted horizontally or vertically • Opaque-white	
	Versions • White, illuminated • Blue, illuminated • Red, illuminated • Green, illuminated	
	5TG9880-3 5TG9880-4 5TG9880-5 5TG9880-6	
	Note	Section
	• For module carriers for DELTA line DELTA miro, see ...	<i>Design / m-system / Module carriers for DELTA line and DELTA miro</i>
	• Module carriers for DELTA profil, see ...	<i>Design / m-system / Module carriers for the DELTA profil</i>
	• For module carriers for DELTA style, see ...	<i>Design / m-system / Module carriers for DELTA style</i>
	• For Technical specifications, see ...	<i>Technical Information / m-system / LED light signals</i>



8/2	Introduction
8/3	Introduction
8/5	Switches and pushbuttons
8/9	Socket outlets
8/12	Combinations of switch/pushbutton and socket outlet
8/14	Shutter/blind controls
8/15	Accessories and spare parts

	DELTA fläche IP68
8/17	Plug-and-socket devices

Colors and designs of the surface-mounting product ranges

DELTA fläche IP44



Two-circuit switches

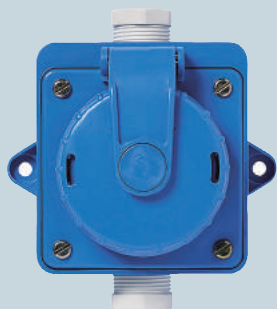


Switches with pilot lamp and window



SCHUKO® socket outlets

DELTA fläche IP68



SCHUKO® socket outlets with lid

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 extremely attractive 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.

SCHUKO® socket outlets are fitted with hinged lids to prevent moisture entering. 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.

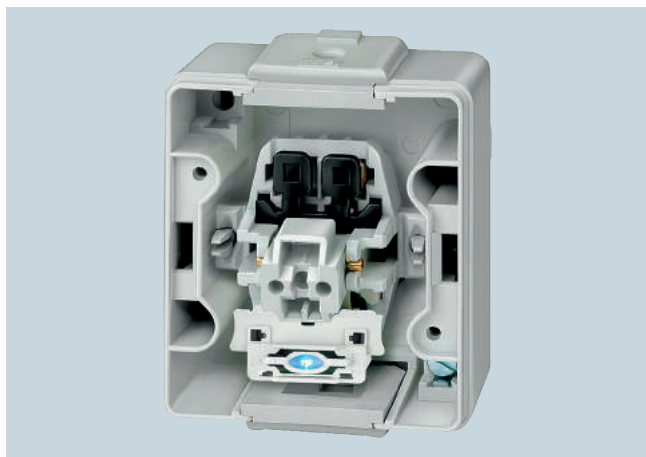
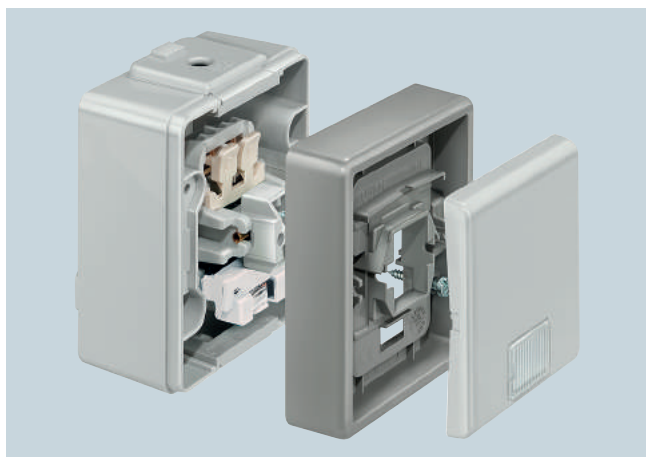
- Durable, high-impact thermoplastic enclosure.
- Screwless terminals for switch and socket outlet inserts.
- Insulated reset levers ensure touch protection.
- Easy conductor releases at a press of a button, no tools required.

All terminals are double terminals.

Surface-Mounting Product Ranges

DELTA fläche IP44

Introduction



Simple installation

The DELTA fläche product range has been thought through down to the very last detail: the cover on the SCHUKO® socket outlet and the switch and pushbutton are screwed to the base with two rustproof 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. Multiple combinations of SCHUKO® socket outlets are supplied fully wired. We continue to produce combined device applications for SCHUKO® switches and socket outlets.

A full product range for two-way switches, switches with pilot lamp, pushbuttons, light signals, SCHUKO® socket outlets, and combined double and triple device applications is provided.

DIN VDE and DIN-compliant technology

The switches and pushbuttons in the splash-proof DELTA fläche range are built to DIN VDE 0632 and DIN 49200, while the socket outlets are built to DIN VDE 0620 and DIN 49440, and carry the VDE mark. The devices offer degree of protection IP44 and are splash-proof. The switches and pushbuttons can be used with up to 10 A and 250 V AC, and the SCHUKO® socket outlets with 16 A, 250 V AC and 10 A, 250 V DC.

Selection and ordering data

	Version	Order No.
	General information • IP44 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 versions on request • Colors: - Similar to RAL 7035 (enclosure base parts and rockers) - Similar to RAL 7042 (between enclosure base parts and rockers)	
	Universal switches For ON/OFF and two-way switching	5TA4706
	Intermediate switches	5TA4707
	ON/OFF switches, 1-pole	5TA4701
	Switches with pilot lamp for ON/OFF switching, with window with LED insert 5TG7333	5TA4700
	Switches with pilot lamp for two-way switching, with window with LED insert 5TG7333	5TA4710

Surface-Mounting Product Ranges

DELTA fläche IP44

Switches and pushbuttons

	Version	Order No.
	Heating emergency switches with window, 1-pole • With LED insert 5TG7333 • According to DIN VDE 0116/3.79 • Two cables for wet/damp areas can be fed into the enclosure from underneath	5TA4741
	5TA4741	
	Heating emergency switches with window, 2-pole • With LED insert 5TG7333 • According to DIN VDE 0116/3.79 • Two cables for wet/damp areas can be fed into the enclosure from underneath	5TA4742
	5TA4742	
	Two-way switches, with window and labeling field with LED insert 5TG7333	5TA4726
	5TA4726	
	ON/OFF switches, with I/O symbols, 2-pole • 10 A, 250 V AC • Two cables for wet/damp areas can be fed into the enclosure from underneath	5TA4702
	5TA4702	
	ON/OFF switches, with I/O symbols, 3-pole 16 A, 400 V AC	5TA4753
	5TA4753	
	Two-circuit switches	5TA4705
	5TA4705	

Version		Order No.
	Double two-way switches, double	5TA4708
5TA4708		
	Pushbuttons, 1 CO contact Can also be used as NC contact	5TD4707
5TD4707		
	Pushbuttons, 1 NO contact, with window • With window set (comprising one window each with 1 "Light" symbol, 1 "Bell" symbol and 1 "Door Opener" symbol respectively, plus 1 neutral window) • Without glow lamp	5TD4701
5TD4701		
	Pushbuttons with separate check-back indication, with window with LED insert 5TG7333	5TD4706
5TD4706		
	Light signals • With glow lamp 250 V AC • 75 mm x 66 mm x 54 mm	5TD4780
5TD4780		
	ON/OFF switches, comply with workplace regulations • Supplied with clear windows • Neutral and with "Light" symbol • With LED insert 5TG7333	5TA4711
5TA4711		

Surface-Mounting Product Ranges
DELTA fläche IP44

Switches and pushbuttons

Version		Order No.												
	Two-way switches, comply with workplace regulations • Supplied with clear windows • Neutral and with "Light" symbol • With LED insert 5TG7333	5TA4716												
5TA4716														
	Pushbuttons, comply with workplace regulations • Supplied with clear windows • Neutral and with "Light" symbol • With LED insert 5TG7333 • 1-pole (NO contact)	5TD4705												
5TD4705														
	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 terminals <table><tr><th colspan="3">Versions</th></tr><tr><td colspan="3"> • Momentary-contact and maintained-contact position to left and right • Momentary-contact position to left and right </td></tr><tr><th>Note</th><th>Section</th><th>Page</th></tr><tr><td>For Technical Specifications, see ...</td><td>Technical Information / Shutter/ Blind Controls / Shutter/ blind key-operated switches</td><td>16/52</td></tr></table>	Versions			• Momentary-contact and maintained-contact position to left and right • Momentary-contact position to left and right			Note	Section	Page	For Technical Specifications, see ...	Technical Information / Shutter/ Blind Controls / Shutter/ blind key-operated switches	16/52	5TA7650 5TA7651
Versions														
• Momentary-contact and maintained-contact position to left and right • Momentary-contact position to left and right														
Note	Section	Page												
For Technical Specifications, see ...	Technical Information / Shutter/ Blind Controls / Shutter/ blind key-operated switches	16/52												
5TA7650														
	Shutter/blind pushbuttons, with electrical interlock, with Up/Down symbols • Screwless terminals • Terminal assignment same as for 5TA2114 flush-mounting insert <table><tr><th colspan="3">Versions</th></tr><tr><td colspan="3">For Technical Specifications, see ...</td></tr><tr><th>Section</th><th>Page</th></tr><tr><td>Technical Information / Shutter/Blind Controls / Shutter/blind pushbuttons, with electrical interlock</td><td>16/51</td></tr></table>	Versions			For Technical Specifications, see ...			Section	Page	Technical Information / Shutter/Blind Controls / Shutter/blind pushbuttons, with electrical interlock	16/51	5TD4708		
Versions														
For Technical Specifications, see ...														
Section	Page													
Technical Information / Shutter/Blind Controls / Shutter/blind pushbuttons, with electrical interlock	16/51													
5TD4708														

Selection and ordering data

	Version	Order No.
	General information • IP44 splash-proof • 16 A, 250 V AC; 10 A, 250 V DC • Complies with 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 versions on request • Colors: - Similar to RAL 7035 (enclosure base parts and hinged lid) - Similar to RAL 7042 (between enclosure base parts and hinged lid)	
	SCHUKO® socket outlets, single Size of cover: 75 mm x 66 mm x 54 mm	5UB4711
	SCHUKO® socket outlets, single, with child protection Size of cover: 75 mm x 66 mm x 54 mm	5UB4717
	SCHUKO® socket outlets, single, with labeling field Size of cover: 75 mm x 66 mm x 54 mm	5UB4713
	SCHUKO® socket outlets, single, with labeling field and child protection Size of cover: 75 mm x 66 mm x 54 mm	5UB4718

Surface-Mounting Product Ranges
DELTA fläche IP44

Socket outlets

Version		Order No.
	SCHUKO® socket outlets, double, for vertical installation • Size of cover: 151 mm x 66 mm x 54 mm • SCHUKO® socket outlet with labeling field on request • Pre-wired	5UB4723
5UB4723		
	SCHUKO® socket outlets, double, for vertical installation, with child protection • Size of cover: 151 mm x 66 mm x 54 mm • SCHUKO® socket outlet with labeling field on request • Pre-wired	5UB4724
5UB4724		
	SCHUKO® socket outlets, double, for horizontal installation • Size of cover: 75 mm x 134 mm x 54 mm • SCHUKO® socket outlet with labeling field on request • Pre-wired	5UB4722
5UB4722		
	SCHUKO® socket outlets, double, for horizontal installation, with child protection • Size of cover: 75 mm x 134 mm x 54 mm • SCHUKO® socket outlet with labeling field on request • Pre-wired	5UB4725
5UB4725		
	SCHUKO® socket outlets, triple, for horizontal installation • Size of cover: 75 mm x 201 mm x 54 mm • SCHUKO® socket outlet with labeling field on request • Pre-wired	5UB4731
5UB4731		
	SCHUKO® socket outlets, triple, for horizontal installation, with child protection • Size of cover: 75 mm x 201 mm x 54 mm • SCHUKO® socket outlet with labeling field on request • Pre-wired	5UB4732
5UB4732		
	SCHUKO® socket outlets, lockable • Size of cover: 75 mm x 66 mm x 66 mm • With two keys Versions • Identical key type (sorted) • Close differently with a max. of 180 different locks	5UB4714 5UB4715
5UB4714		
	SCHUKO® socket outlets, lockable, with child protection • Size of cover: 75 mm x 66 mm x 66 mm • With two keys • Identical key type (sorted)	5UB4705
5UB4705		

Version		Order No.
	SCHUKO® socket outlets, lockable, double pack • Two lockable SCHUKO® socket outlets • With two identical safety locks • With two keys each • In pairs, up to 180 different locking options (not sorted) • For use with washing machines and spin driers • Size of cover: 75 mm x 66 mm x 66 mm	5UB4716
	5UB4716	
	Socket outlets with grounding pin • Size of cover: 75 mm x 66 mm x 54 mm • 2-pole according to CEE7 • Screw terminals	5UB4741
5UB4741		

Surface-Mounting Product Ranges

DELTA fläche IP44

Combinations of switch/pushbutton and socket outlet

Selection and ordering data

	Version	Order No.
	General information • IP44 splash-proof • Socket outlets: 16 A, 250 V AC; 10 A, 250 V DC • Complies with 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 • Colors: - Similar to RAL 7035 (enclosure base parts and rockers/hinged lid) - Similar to RAL 7042 (between enclosure base parts and rockers/hinged lid)	
 5TA4816	Combination of two-way switch and SCHUKO® socket outlet	5TA4816
 5TA4826	Combination of two-way switch and SCHUKO® socket outlet, with child protection	5TA4826
 5TA4815	Combination of two-circuit switch and SCHUKO® socket outlet	5TA4815
 5TA4825	Combination of two-circuit switch and SCHUKO® socket outlet, with child protection	5TA4825
 5TD4811	Combination of pushbutton and SCHUKO® socket outlet	5TD4811

Combinations of switch/pushbutton and socket outlet

Version		Order No.
	Combination of pushbutton and SCHUKO® socket outlet, with child protection	5TD4821

5TD4821

Shutter/blind controls

Selection and ordering data

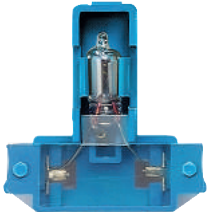
Version			Order No.
General information • IP44 splash-proof • 10 A, 250 V AC according to DIN 49200 • Enclosures made of high-impact molded plastic • Size of cover: 75 mm x 66 mm x 54 mm • Mounting holes: 4,5 mm Ø • Cable entry: Slide nipples for cables from 8 ... 13.5 mm Ø • Colors: - Similar to RAL 7035 (enclosure base parts and rockers/hinged lid) - Similar to RAL 7042 (between enclosure base parts and rockers/hinged lid)			
 5TA7650	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 terminals		
	Versions • Momentary-contact and maintained-contact position to left and right • Momentary-contact position to left and right		5TA7650 5TA7651
	Note	Section	Page
	For Technical Specifications, see ...	Technical Information / Shutter/Blind Controls / Shutter/blind key-operated switches	16/52
 5TD4708	Shutter/blind pushbuttons, with electrical interlock, with Up/Down symbols • Screwless terminals • Terminal assignment same as for 5TA2114 flush-mounting insert		5TD4708
	Note	Section	Page
	For Technical specifications, see ...	Technical Information / Shutter/Blind Controls / Shutter/blind pushbuttons, with electrical interlock	16/51

Selection and ordering data

Version		Order No.																								
Accessories																										
	Connecting elements For coupling of stand-alone devices	5TG4205																								
5TG4205																										
	Slide nipples, without hole	5TG4204																								
5TG4204																										
	Channel entry glands For channels 15 mm x 15 mm and 17 mm x 17 mm	5TG4212																								
5TG4212																										
	LED light inserts, for switch and pushbutton inserts For all rockers with windows																									
5TG7315	<table><tr><th>Fluorescent color</th><th>Rated voltage</th><th>Power consumption in mA</th></tr><tr><td rowspan="4">• Red</td><td>8 V AC</td><td>2</td></tr><tr><td>12 V AC</td><td>2</td></tr><tr><td>24 V AC</td><td>2</td></tr><tr><td>230 V AC</td><td>1</td></tr><tr><td rowspan="2">• Orange</td><td>230 V AC</td><td>0.9</td></tr><tr><td>- Normal</td><td>230 V AC</td><td>1.0</td></tr><tr><td rowspan="2">• White</td><td>230 V AC</td><td>1.1</td></tr><tr><td>• Blue</td><td>230 V AC</td><td>1.1</td></tr></table> Note • The LED light inserts cannot be used in all rocker color versions, since the rocker might be fitted with a colored window already. • If using the LED light inserts together with energy-saving lamps or lights with conventional primary switching device, the LED may flicker slightly.	Fluorescent color	Rated voltage	Power consumption in mA	• Red	8 V AC	2	12 V AC	2	24 V AC	2	230 V AC	1	• Orange	230 V AC	0.9	- Normal	230 V AC	1.0	• White	230 V AC	1.1	• Blue	230 V AC	1.1	5TG7315 5TG7316 5TG7317 5TG7353 5TG7333 5TG7343 5TG7354 5TG7355
Fluorescent color	Rated voltage	Power consumption in mA																								
• Red	8 V AC	2																								
	12 V AC	2																								
	24 V AC	2																								
	230 V AC	1																								
• Orange	230 V AC	0.9																								
	- Normal	230 V AC	1.0																							
• White	230 V AC	1.1																								
	• Blue	230 V AC	1.1																							
	Glow lamps for switch and pushbutton inserts • Protected against contact • 230 V AC • Reduced luminosity • Power consumption 0.18 mA • Base color: white	5TG7321																								
5TG7321																										

Surface-Mounting Product Ranges
DELTA fläche IP44

Accessories and spare parts

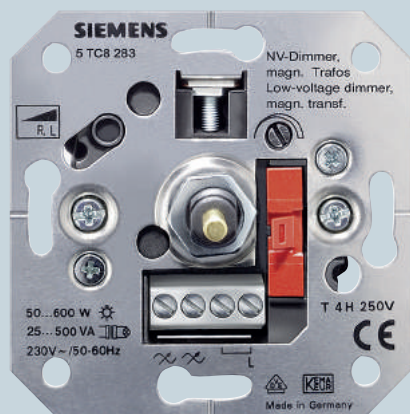
Version		Order No.
Spare parts		
Spare windows for light signals		
Versions		
 5TG4206	• Red	5TG4206
 5TG4208	• Green	5TG4208
 5TG4207	• White	5TG4207
 5TG4210	• Yellow	5TG4210
 5TG7301	Spare glow lamps for light signals 250 V AC	5TG7301
 5TG4200	Spare window sets for light signals and for switch and pushbutton inserts One set contains 2 x red, 2 x clear and 2 x white	5TG4200

Selection and ordering data

Version		Order No.
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 conductors up to 2.5 mm² - Enclosures made of PBT, high-impact - Screw 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 - Pg 22 cable entry on both sides for cables from 8 to 13.5 mm	5UB4686
	SCHUKO® plugs with cover	5UH1150

5UB4686

5UH1150



9/2	Introduction
9/3	Inserts
9/16	Complete assemblies
9/17	Accessories and spare parts

Introduction

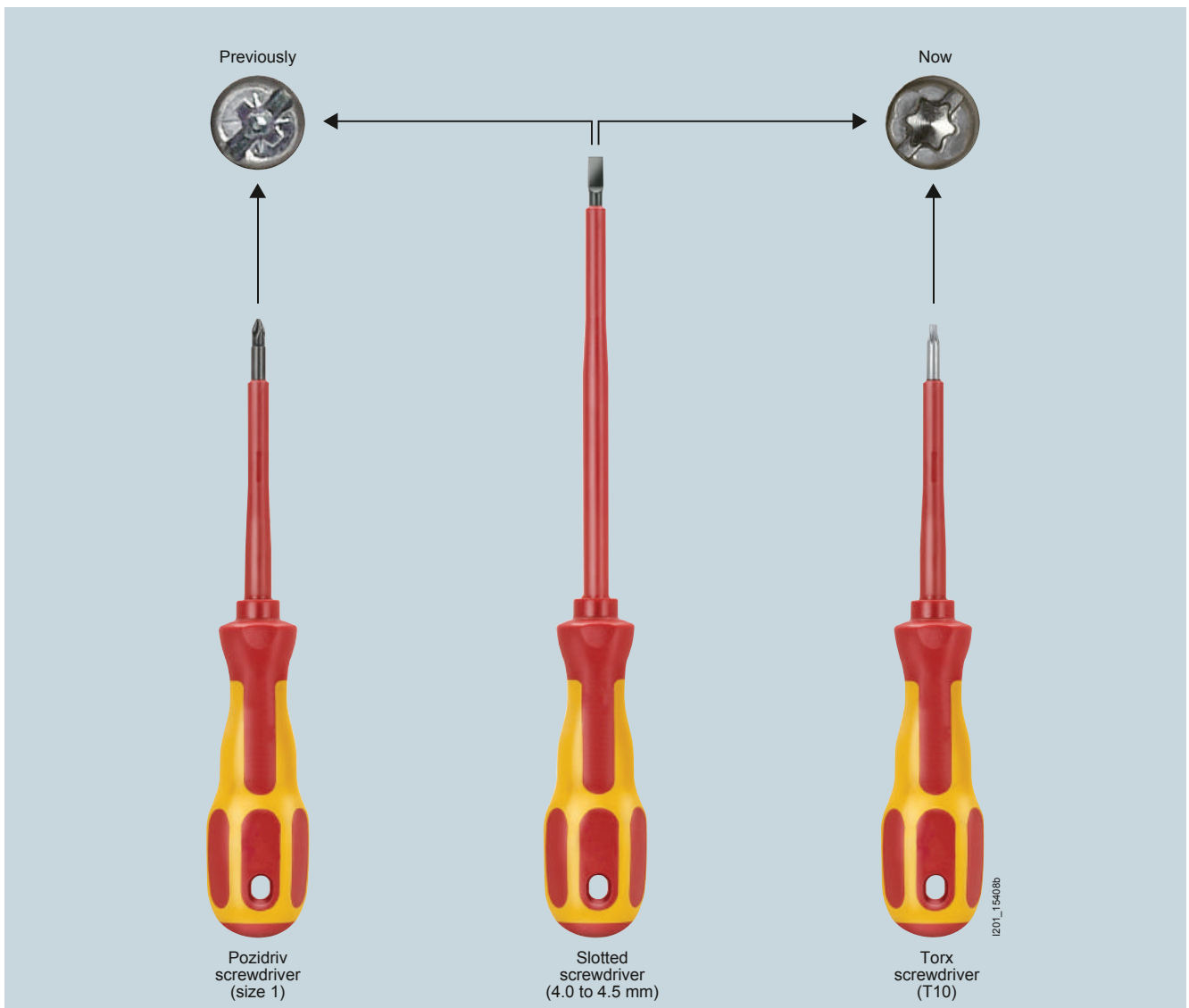
Overview

Combination screws for Torx T10 and slotted screwdrivers



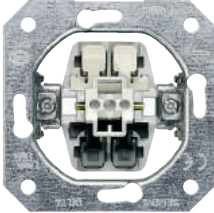
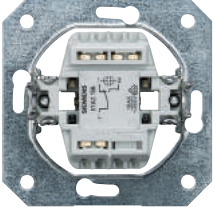
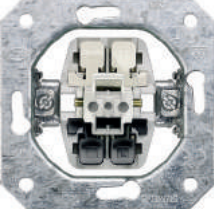
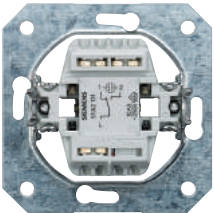
All our inserts for switches and pushbuttons, and all SCHUKO® socket outlets from the DELTA product range, are equipped with the new combination screws.

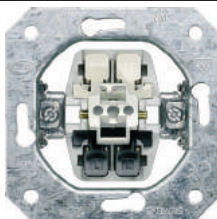
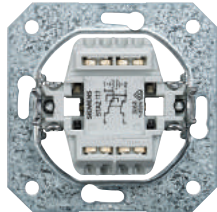
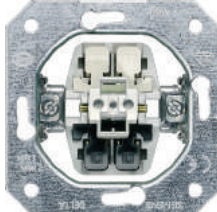
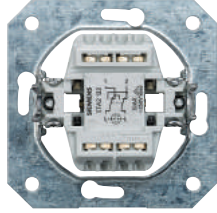
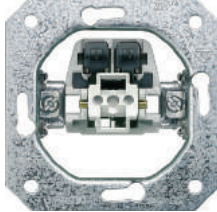
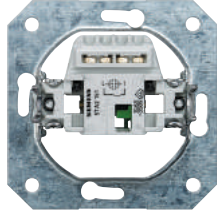
9

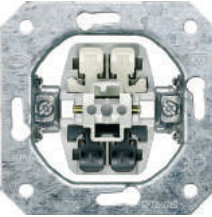
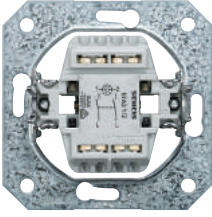
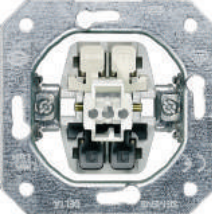
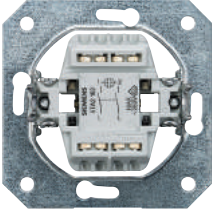
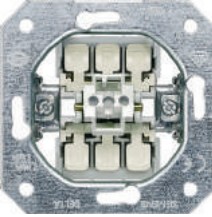
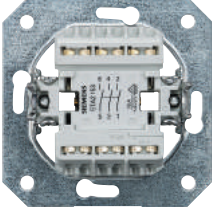


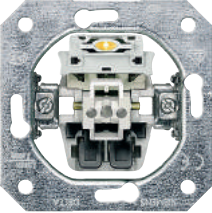
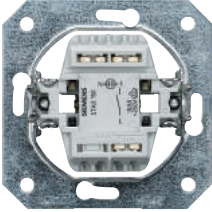
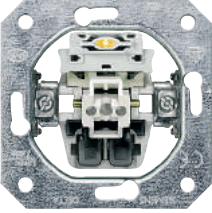
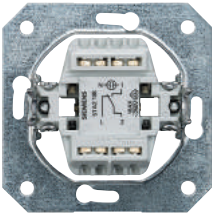
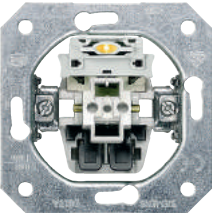
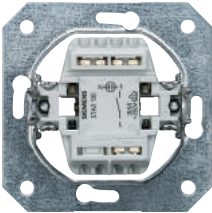
Use of different screwdrivers on the previously used and new combination screw.

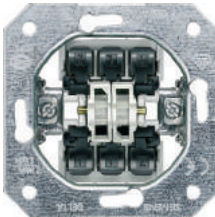
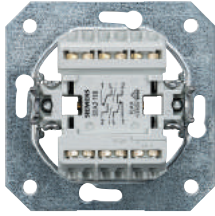
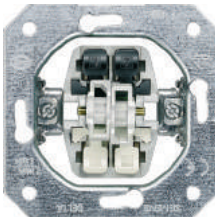
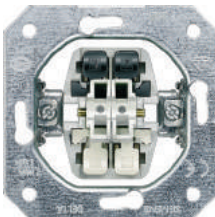
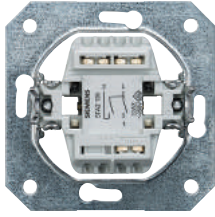
Selection and ordering data

Version		Order No.
Inserts for switches		
General information • 10 AX; 250 V AC • Contact material: cadmium and nickel-free • Live parts covered by molded plastic		
Note	Section	Page
• For extension claws, see ...	<i>Accessories and spare parts</i>	9/17
• Maximum permissible lamp loads, see ...	<i>Technical Information / Switches and Pushbuttons / Switches</i>	16/6
Universal switches		
For ON/OFF and two-way switching		
Versions		
• With claws • Without claws for hollow-wall mounting		5TA2156 5TA2156-0KK
For tops see section	Page (ff.)	
• <i>Design / i-system / Switches and Pushbuttons</i>	2/5	
• <i>Design / DELTA profil/Switches and Pushbuttons</i>	5/6	
• <i>Design / DELTA style/Switches and Pushbuttons</i>	6/6	
Note	Section	Page
For Technical specifications, see ...	<i>Technical Information / Switches and Pushbuttons / Universal switches</i>	16/6
 5TA2156 (front view)		
 5TA2156 (rear view)		
Universal switches, for school program		5TA2131
For ON/OFF and two-way switching		
For tops see section	Page (ff.)	
<i>Design / i-system / School Program</i>	2/31	
 5TA2131 (front view)		
 5TA2131 (rear view)		

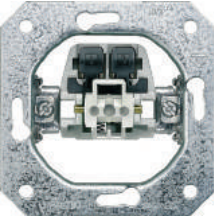
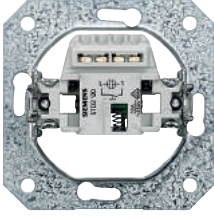
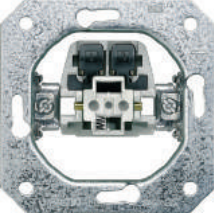
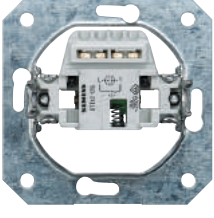
Version		Order No.
 5TA2117 (front view)	Intermediate switches Versions • With claws • Without claws for hollow-wall mounting	5TA2117 5TA2117-0KK
	For tops see section Page (ff.) • Design / i-system / Switches and Pushbuttons 2/5 • Design / DELTA profil/Switches and Pushbuttons 5/6 • Design / DELTA style/Switches and Pushbuttons 6/6	
	Note Section Page	
	For Technical specifications, see ... Technical Information / Switches and Pushbuttons / Intermediate switches 16/8	
 5TA2117 (rear view)	Intermediate switches, for school program Versions	5TA2132
	For tops see section Page (ff.)	
	Design / i-system / School Program 2/33	
 5TA2132 (front view)	ON/OFF switches, 1-pole Versions • With claws • Without claws for hollow-wall mounting	5TA2151 5TA2151-0KK
	For tops see section Page (ff.) • Design / i-system / Switches and Pushbuttons 2/5 • Design / DELTA profil/Switches and Pushbuttons 5/6 • Design / DELTA style/Switches and Pushbuttons 6/6	
	Note Section Page	
	For Technical specifications, see ... Technical Information / Switches and Pushbuttons / ON/OFF switches, 1-pole 16/7	
 5TA2132 (rear view)		
 5TA2151 (front view)		
 5TA2151 (rear view)		

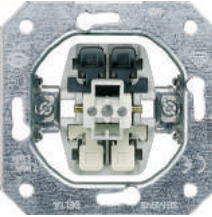
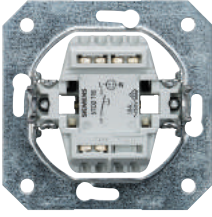
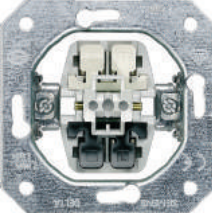
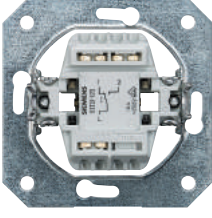
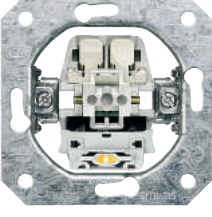
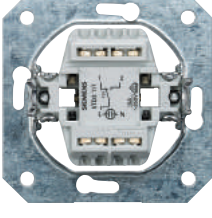
Version		Order No.
 5TA2112 (front view)	ON/OFF switches, 2-pole, 10 AX 250 V AC	5TA2112 5TA2112-0KK
	Versions • With claws • Without claws for hollow-wall mounting	
	For tops see section	
	• Design / i-system / Switches and Pushbuttons • Design / DELTA profil/Switches and Pushbuttons • Design / DELTA style/Switches and Pushbuttons	
	Note For Technical specifications, see ...	
 5TA2112 (rear view)	ON/OFF switches, 2-pole, 16 AX 250 V AC	5TA2162 5TA2162-0KK
	Versions • With claws • Without claws for hollow-wall mounting	
	For tops see section	
	• Design / i-system / Switches and Pushbuttons • Design / DELTA profil/Switches and Pushbuttons • Design / DELTA style/Switches and Pushbuttons	
	Note For Technical specifications, see ...	
 5TA2162 (front view)	ON/OFF switches, 3-pole, 16 A 400 V AC	5TA2153 5TA2153-0KK
	Versions • With claws • Without claws for hollow-wall mounting	
	For tops see section	
	• Design / i-system / Switches and Pushbuttons • Design / DELTA profil/Switches and Pushbuttons • Design / DELTA style/Switches and Pushbuttons	
	Note For Technical specifications, see ...	
 5TA2162 (rear view)	ON/OFF switches, 2-pole, 10 AX 250 V AC	5TA2112 5TA2112-0KK
	Versions • With claws • Without claws for hollow-wall mounting	
	For tops see section	
	• Design / i-system / Switches and Pushbuttons • Design / DELTA profil/Switches and Pushbuttons • Design / DELTA style/Switches and Pushbuttons	
	Note For Technical specifications, see ...	
 5TA2153 (front view)	ON/OFF switches, 2-pole, 16 AX 250 V AC	5TA2162 5TA2162-0KK
	Versions • With claws • Without claws for hollow-wall mounting	
	For tops see section	
	• Design / i-system / Switches and Pushbuttons • Design / DELTA profil/Switches and Pushbuttons • Design / DELTA style/Switches and Pushbuttons	
	Note For Technical specifications, see ...	
 5TA2153 (rear view)	ON/OFF switches, 3-pole, 16 A 400 V AC	5TA2153 5TA2153-0KK
	Versions • With claws • Without claws for hollow-wall mounting	
	For tops see section	
	• Design / i-system / Switches and Pushbuttons • Design / DELTA profil/Switches and Pushbuttons • Design / DELTA style/Switches and Pushbuttons	
	Note For Technical specifications, see ...	

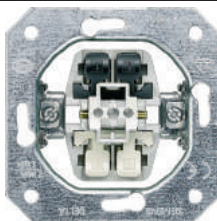
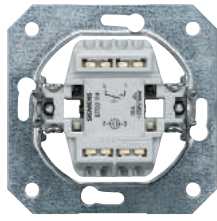
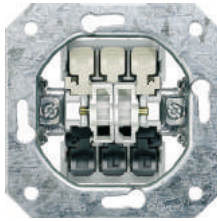
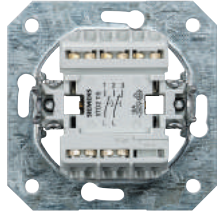
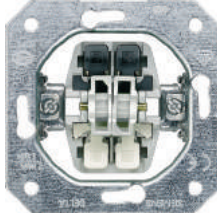
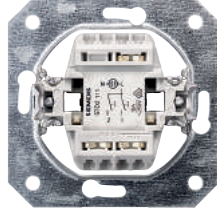
Version		Order No.
 5TA2150 (front view)	Switches with pilot lamp, for ON/OFF switching With 5TG7333 glow lamp (medium luminosity)	5TA2150 5TA2150-0KK
	Versions • With claws • Without claws for hollow-wall mounting	
	For tops see section	
	• Design / i-system / Switches and Pushbuttons • Design / DELTA profil/Switches and Pushbuttons • Design / DELTA style/Switches and Pushbuttons	
 5TA2150 (rear view)	Note For Technical specifications, see ...	5TA2150 5TA2150-0KK
	Section Technical Information / Switches and Pushbuttons / Switches with pilot lamp for ON/OFF switching	
	Page 16/8	
 5TA2108 (front view)	Switches with pilot lamp, for two-way switching With 5TG7333 glow lamp (medium luminosity)	5TA2108 5TA2108-0KK
	Versions • With claws • Without claws for hollow-wall mounting	
	For tops see section	
	• Design / i-system / Switches and Pushbuttons • Design / DELTA profil/Switches and Pushbuttons • Design / DELTA style/Switches and Pushbuttons	
 5TA2108 (rear view)	Note For Technical specifications, see ...	5TA2108 5TA2108-0KK
	Section Technical Information / Switches and Pushbuttons / Switches with pilot lamp for two-way switching	
	Page 16/8	
 5TA2130 (front view)	Switches with pilot lamp, for ON/OFF switching, for school program With 5TG7333 glow lamp (medium luminosity)	5TA2130
	For tops see section	
	Design / i-system / School Program	
	Page (ff.) 2/31	
 5TA2130 (rear view)		

Version		Order No.	
	Double two-way switches		
	Versions		
	• With claws • Without claws for hollow-wall mounting		
	For tops see section	Page (ff.)	
	• <i>Design / i-system / Switches and Pushbuttons</i> • <i>Design / DELTA profil/Switches and Pushbuttons</i> • <i>Design / DELTA style/Switches and Pushbuttons</i>	2/5 5/6 6/6	
Note	Section	Page	
For Technical specifications, see ...	<i>Technical Information / Switches and Pushbuttons / Double two-way switches</i>	16/9	
		5TA2118 5TA2118-0KK	
	Two-circuit switches		
	Versions		
	• With claws • Without claws for hollow-wall mounting		
	For tops see section		Page (ff.)
	• <i>Design / i-system / Switches and Pushbuttons</i> • <i>Design / DELTA profil/Switches and Pushbuttons</i> • <i>Design / DELTA style/Switches and Pushbuttons</i>	2/5 5/6 6/6	
Note	Section	Page	
For Technical specifications, see ...	<i>Technical Information / Switches and Pushbuttons / Two-circuit switches</i>	16/9	
		5TA2155 5TA2155-0KK	
	Two-circuit switches for school program		
	For tops see section		Page (ff.)
	<i>Design / i-system / School Program</i>		
	2/31		
		5TA2128	
			
			

Inserts

Version		Order No.
Inserts for pushbuttons		
General information • With green switch lever • 10 A; 250 V AC • Contact material: cadmium and nickel-free • Live parts covered by molded plastic		
Note	Section	Page
For extension claws, see ...	<i>Accessories and spare parts</i>	9/17
Pushbuttons, 1 NO contact		
Versions • With claws • Without claws for hollow-wall mounting		5TD2120 5TD2120-0KK
For tops see section	Page (ff.)	
• <i>Design / i-system / Switches and Pushbuttons</i>	2/5	
• <i>Design / DELTA profil/Switches and Pushbuttons</i>	5/6	
• <i>Design / DELTA style/Switches and Pushbuttons</i>	6/6	
Note	Section	Page
For Technical specifications, see ...	<i>Technical Information / Switches and Pushbuttons / Pushbuttons, 1 NO contact</i>	16/9
		
5TD2120 (front view)		
		
5TD2120 (rear view)		
Pushbuttons, 1 NO contact, for school program		5TD2125
For tops see section	Page (ff.)	
<i>Design / i-system / School Program</i>	2/31	
		
5TD2125 (front view)		
		
5TD2125 (rear view)		

Version		Order No.
 Pushbuttons, 1 NO contact, with separate neutral terminal Versions • With claws • Without claws for hollow-wall mounting For tops see section Page (ff.) • Design / i-system / Switches and Pushbuttons 2/5 • Design / DELTA profil/Switches and Pushbuttons 5/6 • Design / DELTA style/Switches and Pushbuttons 6/6		
5TD2116 (front view)		5TD2116 5TD2116-OKK
 5TD2116 (rear view)		
 Pushbuttons, 1 CO contact • Can also be used as NC contact • Cannot be illuminated Versions • With claws • Without claws for hollow-wall mounting For tops see section Page (ff.) • Design / i-system / Switches and Pushbuttons 2/5 • Design / DELTA profil/Switches and Pushbuttons 5/6 • Design / DELTA style/Switches and Pushbuttons 6/6		
5TD2123 (front view)		5TD2123 5TD2123-OKK
 5TD2123 (rear view)		
 Pushbuttons, 1 CO contact, with separate neutral terminal with LED insert 5TG7333 Versions • With claws • Without claws for hollow-wall mounting For tops see section Page (ff.) • Design / i-system / Switches and Pushbuttons 2/5 • Design / DELTA profil/Switches and Pushbuttons 5/6 • Design / DELTA style/Switches and Pushbuttons 6/6 Note Section Page For Technical specifications, see ... <i>Technical Information / Switches and Pushbuttons / Pushbuttons, 1 CO contact, with separate neutral terminal</i> 16/10		
5TD2117 (front view)		5TD2117 5TD2117-OKK
 5TD2117 (rear view)		

Version		Order No.
 5TD2114 (front view)  5TD2114 (rear view)	Pushbuttons with separate check-back indication without glow lamp Versions • With claws • Without claws for hollow-wall mounting For tops see section	5TD2114 5TD2114-0KK
	Page (ff.) • <i>Design / i-system / Switches and Pushbuttons</i> 2/5 • <i>Design / DELTA profil/Switches and Pushbuttons</i> 5/6 • <i>Design / DELTA style/Switches and Pushbuttons</i> 6/6	
	Note Section Page For Technical specifications, see ... <i>Technical Information / Switches and Pushbuttons / Pushbuttons, double, 1 NO contact, 1 CO contact</i> 16/10	
 5TD2115 (front view)  5TD2115 (rear view)	Pushbuttons, double, 1 NO contact, 1 CO contact Versions • With claws • Without claws for hollow-wall mounting For tops see section	5TD2115 5TD2115-0KK
	Page (ff.) • <i>Design / i-system / Switches and Pushbuttons</i> 2/5 • <i>Design / DELTA profil/Switches and Pushbuttons</i> 5/6 • <i>Design / DELTA style/Switches and Pushbuttons</i> 6/6	
	Note Section Page For Technical specifications, see ... <i>Technical Information / Switches and Pushbuttons / Pushbuttons, double, 1 NO contact, 1 CO contact</i> 16/10	
 5TD2111 (front view)  5TD2111 (rear view)	Pushbuttons, double, 2 NO contacts Versions • With claws • Without claws for hollow-wall mounting For tops see section	5TD2111 5TD2111-0KK
	Page (ff.) • <i>Design / i-system / Switches and Pushbuttons</i> 2/5 • <i>Design / DELTA profil/Switches and Pushbuttons</i> 5/6 • <i>Design / DELTA style/Switches and Pushbuttons</i> 6/6	
	Note Section Page For Technical specifications, see ... <i>Technical Information / Switches and Pushbuttons /</i> 16/11	

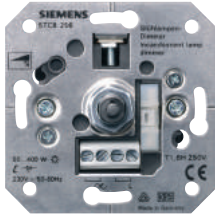
Version

Order No.

Inserts for dimmers

General information

The devices comply with EN 55014, Class B.



5TC8256

Incandescent lamp dimmers, 50 ... 400 W

- Leading-edge phase technology
- 230 V AC, 50/60 Hz
- With rotary ON/OFF switch and rotary operation
- For claw and screw fixing
- Screw 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: 5TG8302
- VDE and KEMA certification

5TC8256

Symbol	For tops see section	Page (ff.)
	Design / i-system / Lighting Controls Design / DELTA profil/Lighting Controls Design / DELTA style/Lighting Controls	2/21 5/16 6/18
Note	Section	Page
For Technical specifications, see ...	Technical Information / Dimmers / Incandescent lamp dimmers, 50 to 400 W	16/18



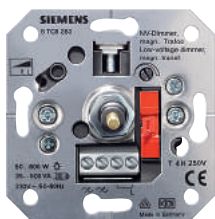
5TC8257

Incandescent lamp dimmers, 50 ... 600 W, 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 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: 5TG8305
- With temperature cutout, not resettable
- Trimming potentiometer for basic brightness
- Rotary potentiometer with soft notching
- VDE and KEMA certification

5TC8257

Symbol	For tops see section	Page (ff.)
	Design / i-system / Lighting Controls Design / DELTA profil/Lighting Controls Design / DELTA style/Lighting Controls	2/21 5/16 6/18
Note	Section	Page
For Technical specifications, see ...	Technical Information / Dimmers / Incandescent lamp dimmers, 50 to 600 W, for two-way switching	16/19



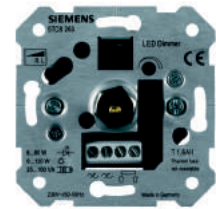
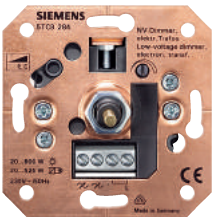
5TC8283

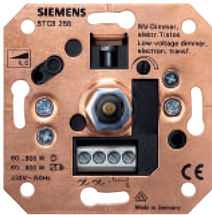
Low-voltage dimmers, for magnetic transformers, 50 to 600 W, 25 to 500 VA, for two-way switching

- 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 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: 5TG8330
- With temperature cutout, not resettable
- Trimming potentiometer for basic brightness
- Rotary potentiometer with soft notching
- VDE and KEMA certification

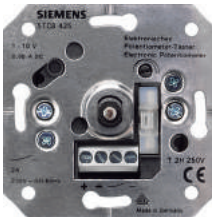
5TC8283

Rated load		
• Incandescent lamps	50 ... 600 W	
• High-voltage halogen lamps	50 ... 600 W	
• LV halogen lamps with magnetic transformer	25 ... 500 VA	
Symbol	For tops see section	Page (ff.)
	Design / i-system / Lighting Controls Design / DELTA profil/Lighting Controls Design / DELTA style/Lighting Controls	2/21 5/16 6/18
Note	Section	Page
For Technical specifications, see ...	Technical Information / Dimmers / Low-voltage dimmers, for magnetic transformers, 50 ... 600 W, 25 ... 500 VA, for two-way switching	16/20

Version		Order No.																				
	LV dimmers, for electronic transformers, 20 to 315 W • Loads ~230 V, 50 Hz • With pushbutton ON/OFF/two-way switch and rotary operation • For claw and screw fixing • Screw 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 certification	5TC8262																				
5TC8262	<table><tr><th>Symbol</th><th>For tops see section</th><th>Page (ff.)</th></tr><tr><td></td><td><i>Design / i-system / Lighting Controls</i> <i>Design / DELTA profil/Lighting Controls</i> <i>Design / DELTA style/Lighting Controls</i></td><td>2/21 5/16 6/18</td></tr><tr><th>Note</th><th>Section</th><th>Page</th></tr><tr><td>For Technical specifications, see ...</td><td><i>Technical Information / Dimmers / Low-voltage dimmers, for magnetic transformers, 20 ... 315 W,</i></td><td>16/21</td></tr></table>	Symbol	For tops see section	Page (ff.)		<i>Design / i-system / Lighting Controls</i> <i>Design / DELTA profil/Lighting Controls</i> <i>Design / DELTA style/Lighting Controls</i>	2/21 5/16 6/18	Note	Section	Page	For Technical specifications, see ...	<i>Technical Information / Dimmers / Low-voltage dimmers, for magnetic transformers, 20 ... 315 W,</i>	16/21									
Symbol	For tops see section	Page (ff.)																				
	<i>Design / i-system / Lighting Controls</i> <i>Design / DELTA profil/Lighting Controls</i> <i>Design / DELTA style/Lighting Controls</i>	2/21 5/16 6/18																				
Note	Section	Page																				
For Technical specifications, see ...	<i>Technical Information / Dimmers / Low-voltage dimmers, for magnetic transformers, 20 ... 315 W,</i>	16/21																				
	Low voltage rotary-dimmer for LED LAMPS 60W and RL 6-120W • Loads: AC 230 V, 50/60 Hz • Reversible operating electronic fuse • Two terminals for two-way switching • Installation in device boxes 60 mm Ø, 40 mm deep according to DIN 49073-1 • Rated load (up to 35 °C ambient temperature) - Incandescent lamps: 6 ... 120 W - High-volt halogen lamps: 6 ... 120 W - Low voltage halogen lamps magn.: 25 ... 100 VA - Dimmable LED Lamps 60 W	5TC8263																				
5TC8263	<table><tr><th>Symbol</th><th>For tops see section</th><th>Page (ff.)</th></tr><tr><td> </td><td><i>Design / i-system / Lighting Controls</i> <i>Design / DELTA profil/Lighting Controls</i> <i>Design / DELTA style/Lighting Controls</i></td><td>2/21 5/16 6/18</td></tr><tr><th>Note</th><td colspan="2"></td></tr><tr><td colspan="3">Technical data, compatible lamps list, see Siemens Online Support Portal https://support.industry.siemens.com</td></tr></table>	Symbol	For tops see section	Page (ff.)	 	<i>Design / i-system / Lighting Controls</i> <i>Design / DELTA profil/Lighting Controls</i> <i>Design / DELTA style/Lighting Controls</i>	2/21 5/16 6/18	Note			Technical data, compatible lamps list, see Siemens Online Support Portal https://support.industry.siemens.com											
Symbol	For tops see section	Page (ff.)																				
 	<i>Design / i-system / Lighting Controls</i> <i>Design / DELTA profil/Lighting Controls</i> <i>Design / DELTA style/Lighting Controls</i>	2/21 5/16 6/18																				
Note																						
Technical data, compatible lamps list, see Siemens Online Support Portal https://support.industry.siemens.com																						
	LV dimmers, for electronic transformers, 20 to 600 W, 20 to 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 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	5TC8284																				
5TC8284	<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>For tops see section</th><th>Page (ff.)</th></tr><tr><td></td><td><i>Design / i-system / Lighting Controls</i> <i>Design / DELTA profil/Lighting Controls</i> <i>Design / DELTA style/Lighting Controls</i></td><td>2/21 5/16 6/18</td></tr><tr><th>Note</th><th>Section</th><th>Page</th></tr><tr><td>For Technical specifications, see ...</td><td><i>Technical Information / Dimmers / Low-voltage dimmers, for electronic transformers, 20 ... 600 W, 20 to 525 VA, for two-way switching</i></td><td>16/28</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	For tops see section	Page (ff.)		<i>Design / i-system / Lighting Controls</i> <i>Design / DELTA profil/Lighting Controls</i> <i>Design / DELTA style/Lighting Controls</i>	2/21 5/16 6/18	Note	Section	Page	For Technical specifications, see ...	<i>Technical Information / Dimmers / Low-voltage dimmers, for electronic transformers, 20 ... 600 W, 20 to 525 VA, for two-way switching</i>	16/28	
Rated load																						
• Incandescent lamps	20 ... 600 W																					
• High-voltage halogen lamps	20 ... 600 W																					
• LV halogen lamps with electronic transformer	20 ... 525 VA																					
Symbol	For tops see section	Page (ff.)																				
	<i>Design / i-system / Lighting Controls</i> <i>Design / DELTA profil/Lighting Controls</i> <i>Design / DELTA style/Lighting Controls</i>	2/21 5/16 6/18																				
Note	Section	Page																				
For Technical specifications, see ...	<i>Technical Information / Dimmers / Low-voltage dimmers, for electronic transformers, 20 ... 600 W, 20 to 525 VA, for two-way switching</i>	16/28																				

Version	Order No.																		
 5TC8258	LV 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 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="3">Rated load</th></tr><tr><td> • Incandescent lamps • High-voltage halogen lamps • LV halogen lamps with electronic transformer </td><td> 60 ... 800 W 60 ... 800 W 60 ... 800 VA </td><td></td></tr><tr><th>Symbol</th><th>For tops see section</th><th>Page (ff.)</th></tr><tr><td>  </td><td> Design / i-system / Lighting Controls Design / DELTA profil/Lighting Controls Design / DELTA style/Lighting Controls </td><td> 2/21 5/16 6/18 </td></tr><tr><th>Note</th><th>Section</th><th>Page</th></tr><tr><td>For Technical specifications, see ...</td><td> Technical Information / Dimmers / Dimmers for electronic transformers, 60 ... 800 W, 60 ... 800 VA, for two-way switching </td><td>16/29</td></tr></table> 5TC8258	Rated load			• Incandescent lamps • High-voltage halogen lamps • LV halogen lamps with electronic transformer	60 ... 800 W 60 ... 800 W 60 ... 800 VA		Symbol	For tops see section	Page (ff.)		Design / i-system / Lighting Controls Design / DELTA profil/Lighting Controls Design / DELTA style/Lighting Controls	2/21 5/16 6/18	Note	Section	Page	For Technical specifications, see ...	Technical Information / Dimmers / Dimmers for electronic transformers, 60 ... 800 W, 60 ... 800 VA, for two-way switching	16/29
Rated load																			
• Incandescent lamps • High-voltage halogen lamps • LV halogen lamps with electronic transformer	60 ... 800 W 60 ... 800 W 60 ... 800 VA																		
Symbol	For tops see section	Page (ff.)																	
	Design / i-system / Lighting Controls Design / DELTA profil/Lighting Controls Design / DELTA style/Lighting Controls	2/21 5/16 6/18																	
Note	Section	Page																	
For Technical specifications, see ...	Technical Information / Dimmers / Dimmers for electronic transformers, 60 ... 800 W, 60 ... 800 VA, for two-way switching	16/29																	
 TC1230	Universal dimmer sys inserts • Flush-mounting insert for switching and dimming different electronic loads • For claw and screw fixing • Screw terminals • 2-wire connection method • Automatic load detection • Soft start extends lamp life • 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 over 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 • Magnetic transformers • Electronic transformers </td><td> 50 ... 420 W 50 ... 420 VA 70 ... 420 VA </td></tr><tr><th>Symbol</th><th>For tops see section</th><th>Page (ff.)</th></tr><tr><td>  </td><td> Design / i-system / Lighting Controls Design / DELTA profil/Lighting Controls Design / DELTA style/Lighting Controls </td><td> 2/21 5/16 6/18 </td></tr><tr><th>Note</th><th>Section</th><th>Page</th></tr><tr><td>For Technical specifications, see ...</td><td> Technical Information / Dimmers / Universal dimmer sys inserts </td><td>16/16</td></tr></table> 5TC1230	Connected load		• Incandescent lamp rating • Magnetic transformers • Electronic transformers	50 ... 420 W 50 ... 420 VA 70 ... 420 VA	Symbol	For tops see section	Page (ff.)		Design / i-system / Lighting Controls Design / DELTA profil/Lighting Controls Design / DELTA style/Lighting Controls	2/21 5/16 6/18	Note	Section	Page	For Technical specifications, see ...	Technical Information / Dimmers / Universal dimmer sys inserts	16/16		
Connected load																			
• Incandescent lamp rating • Magnetic transformers • Electronic transformers	50 ... 420 W 50 ... 420 VA 70 ... 420 VA																		
Symbol	For tops see section	Page (ff.)																	
	Design / i-system / Lighting Controls Design / DELTA profil/Lighting Controls Design / DELTA style/Lighting Controls	2/21 5/16 6/18																	
Note	Section	Page																	
For Technical specifications, see ...	Technical Information / Dimmers / Universal dimmer sys inserts	16/16																	
 5TC8210-0	Dimmer Universal RLC • Power supply 230V~ 50Hz. Consumption 3VA. • Admits up to 3 lighted pushbuttons & unlimited non-lighted. • Valid for Incandescence & Halogens: - Incandescent & 230V Halogen lamps 15W ~ 400W - Halogen lamps with Inductive Transformer 20W ~ 250W - Halogen lamps with Electronic • Transformer 15W ~ 400W. Weight: 40g. • Working temperature 0°C ~ +40°C. • Dimensions 45 x 45 x 12 mm. • Storage temperature -30°C ~ +70°C. • Environmental protection IP20 according to DIN EN 20324. According to the Standard DIN EN 60669-2-1. <table><tr><th>Symbol</th><th>For tops see section</th><th>Page (ff.)</th></tr><tr><td>  </td><td> Technical Information / Dimmers / Dimmer Universal RLC </td><td>16/23</td></tr></table> 5TC8210-0	Symbol	For tops see section	Page (ff.)		Technical Information / Dimmers / Dimmer Universal RLC	16/23												
Symbol	For tops see section	Page (ff.)																	
	Technical Information / Dimmers / Dimmer Universal RLC	16/23																	

Version		Order No.	
	Led Dimmer • Power supply 230V~ 50/60Hz. • Consumption 2VA. Valid for... Dimmable LED lamps: - 230V~ LED lamp 4W ~ 100W - 2V~ LED lamp (with electronic transformer) • 1 lamp/transfo & max. 6 transformers (50W). • Admits up to...3 lighted pushbuttons &unlimited non-lighted. • Dimensions 45 x 45 x 12 mm. Weight: 23 g.. • Working temperature 0°C ~ +40°C. • Storage temperature -30°C ~ +70°C. • Environmental protection • IP20 according to DIN EN 20324. According to the Standard DIN EN 60669-2-1	5TC8211-0	
Note		Section	Page
For Technical specifications, see ...		Technical Information / Dimmers / Led Dimmer	16/24
	Dimmer for Led 12-48Vcc • Power supply: 12 - 48V DC *. • Consumption: <12mA. Valid for... LED lamps 12-48V DC. • Maximum load 8A. Minimum brightness level: 1% ~ 60%. • Dimming speed 0% a 100%: 3seg ~ 10seg. • Control: Pushbutton referred to ground or pushbutton isolated referred to 230V~. • Dimensions: 45 x 45 x 12mm. • Weight: 23g. • Operation temperature. 0°C to +40°C. • Storage temperature: -30°C to +70°C. • Protection degree: IP20 according to UNE 20324. According to the Standard: EN 60669-2-1	5TC8212-0	
Note		Section	Page
For Technical specifications, see ...		Technical Information / Dimmers / Dimmer for Led 12-48Vcc	16/25
	Dimmer for dimmable compact fluorescent lamps •Power supply 230V~ 50Hz. •Consumption 3VA. •Valid for Dimmable Compact Fluorescent lamps. •Load 20W ~ 200W. •Dimensions 45 x 45 x 12 mm. •Weight: 40g. •Working temperature 0°C ~ +40°C. •Storage temperature -30°C ~ +70°C. •Environmental protection IP20 according to EN 60529. •According to the Standard DIN EN 60669-2-1.	5TC8213-0	
Note		Section	Page
For Technical specifications, see ...		Technical Information / Dimmers / Dimmer for Dimmable Compact ...	16/26
Inserts for lighting control/switching			
	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 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 certification	5TC8424	
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	For tops see section	Page (ff.)	
	Design / i-system / Lighting Controls Design / DELTA profil/Lighting Controls Design / DELTA style/Lighting Controls	2/21 5/16 6/16	
Note		Section	Page
For Technical specifications, see ...		Technical Information / Dimmers / Electronic poten- tiometers, switches	16/31

Version		Order No.																		
	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 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>For tops see section</th><th>Page (ff.)</th></tr><tr><td></td><td><i>Design / i-system / Lighting Controls</i></td><td>2/21</td></tr><tr><td></td><td><i>Design / DELTA profil/Lighting Controls</i></td><td>5/16</td></tr><tr><td></td><td><i>Design / DELTA style/Lighting Controls</i></td><td>6/18</td></tr></table> <table><tr><th>Note</th><th>Section</th><th>Page</th></tr><tr><td>For Technical specifications, see ...</td><td><i>Technical Information / Dimmers / Electronic potentiometers, pushbuttons</i></td><td>16/32</td></tr></table>	Symbol	For tops see section	Page (ff.)		<i>Design / i-system / Lighting Controls</i>	2/21		<i>Design / DELTA profil/Lighting Controls</i>	5/16		<i>Design / DELTA style/Lighting Controls</i>	6/18	Note	Section	Page	For Technical specifications, see ...	<i>Technical Information / Dimmers / Electronic potentiometers, pushbuttons</i>	16/32	5TC8425
Symbol	For tops see section	Page (ff.)																		
	<i>Design / i-system / Lighting Controls</i>	2/21																		
	<i>Design / DELTA profil/Lighting Controls</i>	5/16																		
	<i>Design / DELTA style/Lighting Controls</i>	6/18																		
Note	Section	Page																		
For Technical specifications, see ...	<i>Technical Information / Dimmers / Electronic potentiometers, pushbuttons</i>	16/32																		
Inserts for add-on devices 		5TC1250																		
	Time switches - For screw fixing 16 A, 250 V AC - Runtime: 15 min - Can be switched off 2-pole <table><tr><th>For tops see section</th><th>Page (ff.)</th></tr><tr><td><i>Design / DELTA style/Accessories and spare parts</i></td><td>6/18</td></tr></table>	For tops see section	Page (ff.)	<i>Design / DELTA style/Accessories and spare parts</i>	6/18															
For tops see section	Page (ff.)																			
<i>Design / DELTA style/Accessories and spare parts</i>	6/18																			
	Staircase lighting switch - Power supply 230V~ 50Hz - Consumption 5VA - Valid for... Incandescence & Halogen lamps - Incandescent & 230V Halogen lamps 40W - 400W - Halogen lamps with Inductive Transformer 50W - 320W - Halogen lamps with Electronic Transformer: 40W - 400W - Motors: 36W-100W - Settings by: selector switch - Admits up to...3 lighted pushbuttons & unlimited non-lighted - Dimensions 45 x 45 x 12 mm Weight: 22g - Working temperature 0°C ~ +40°C - Storage temperature -30°C ~ +70°C - Environmental protection IP20 according to DIN EN 20324 - According to the standards DIN EN 60669-2-1 and DIN EN 60669-2-3 <table><tr><th>Note</th><th>Section</th><th>Page</th></tr><tr><td>For Technical specifications, see ...</td><td><i>Technical Information / Dimmers / Dimmer for dimmable compact fluorescent lamps</i></td><td>16/27</td></tr></table>	Note	Section	Page	For Technical specifications, see ...	<i>Technical Information / Dimmers / Dimmer for dimmable compact fluorescent lamps</i>	16/27	5TG2400												
Note	Section	Page																		
For Technical specifications, see ...	<i>Technical Information / Dimmers / Dimmer for dimmable compact fluorescent lamps</i>	16/27																		

Selection and ordering data

Version		Order No.				
 5TT3303	Dusk switches • Setting range 2 ... 2000 Lux • 1-channel version for surface mounting, IP55 • With integrated light sensor	5TT3303				
	Technical specifications					
	• Rated control voltage U_c 230 V AC • Operating range $\times U_c$ at 50/60 Hz 0.85 ... 1.1 • Rated frequency 50 Hz • Time delay (fixed) 50 s • Contact 1 NO contact • Rated operational voltage U_e 250 V AC • Rated operational current I_s - at p.f. = 1 10 - at p.f. = 0.4 2 • Incandescent lamp rating 1200 W • Minimum contact load 10 V, 100 mA • Terminals 1 • Conductor cross-section - Rigid 1.5 mm² - Flexible with sleeve Min. 0.5 mm² • Resistance to climate acc. to DIN 50016 FW 24 • Degree of protection acc. to EN 60529 IP54 • Safety class acc. to EN 61010 II					
	<table><tr><th>Note</th><th>Section</th><th>Page</th></tr><tr><td>For dimensional drawings, see ...</td><td>Technical Information / Switches and Pushbuttons / Dusk switches</td><td>16/8</td></tr></table>		Note	Section	Page	For dimensional drawings, see ...
Note	Section	Page				
For dimensional drawings, see ...	Technical Information / Switches and Pushbuttons / Dusk switches	16/8				

Selection and ordering data

Version			Order No.
Accessories			
 5TG7315	LED light inserts, for switch and pushbutton inserts For all rockers with windows		5TG7315 5TG7316 5TG7317 5TG7353 5TG7333 5TG7343 5TG7354 5TG7355
	Fluorescent color	Rated voltage	Power consumption in mA
	• Red	8 V AC 12 V AC 24 V AC 230 V AC	2 2 2 1
	• Orange - normal - Strong	230 V AC 230 V AC	0.9 1.0
	• White • Blue	230 V AC 230 V AC	1.1 1.1
Note • The LED light inserts cannot be used in all rocker color versions, since the rocker might be fitted with a colored window already. • If using the LED light inserts together with energy-saving lamps or lights with conventional primary switching device, the LED may flicker slightly.			
 5TG7321	Glow lamps for switch and pushbutton inserts • Protected against contact • 230 V AC • Reduced luminosity • Power consumption 0.18 mA • Base color: white		5TG7321
 5TG2498	Extension claws for DELTA inserts with rubber for self-retracting claws • 1 set contains ten extension claws • 2 extension claws are needed per insert		5TG2498
 5TG2497	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		5TG2497



10/2

Inserts

10/4

Surface-mounting motion
detectors



5TC1502

Version		Order No.
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 is 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.		5TC1502
For tops see section		Page
• Design / i-system / Motion Detectors		2/23
• Design / DELTA profil/Motion Detectors		5/18
• Design / DELTA style/Motion Detectors		6/20
Technical specifications		
• 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 (5TC1500) Motion detector triac inserts (5TC1501)	
• Extension units	10	
- Number of motion detector extension unit inserts		
- 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 extension unit inserts	16/48
Note		
Download the operating and mounting instructions from: http://support.automation.siemens.com/ww/view/de/5tc1502/all		

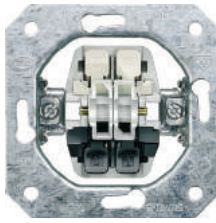
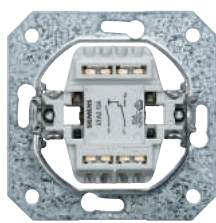
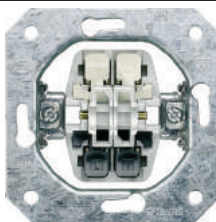
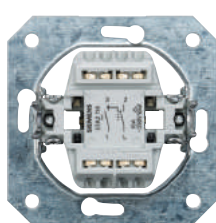
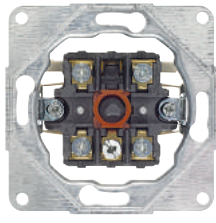
Selection and ordering data

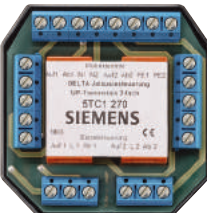
Version		Order No.
 5TC7210	DELTA reflex motion detectors, IP55 • Mounting height: 2 ... 4 m, ideally 2.50 m • Wall or ceiling mounting • Range - 120° approx. 10 m - 290° approx. 16 m • Degree of protection IP55 • Surface mounting with screw terminals, quick and easy to wire, the detector is then simply plugged into the terminal box • 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 • Vacation function at 290° IR • 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: 2500 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	
	Versions • 120° - Titanium white (similar to RAL 9010) • 290° - Titanium white (similar to RAL 9010) • 290° IR (incl. 5TC7902 IR remote control) - Titanium white (similar to RAL 9010)	5TC7210 5TC7212 5TC7214
Note		
For further technical information, see ...		Section <i>Technical Information</i> Page 16/34
Note		
Download the operating and mounting instructions from: http://support.automation.siemens.com/ww/view/en/5tc7210/all		
 5TC7900	Special bases for "DELTA reflex motion detectors, IP55" • For outside or inside-angle mounting • Cable entry surface or flush mounting • Dimensions: (H X W X D): 64 mm x 88 mm x 105 mm	
	Versions • Titanium white (similar to RAL 9010) • Anthracite	5TC7900 5TC7901
 5TC7220-0	Ceiling movement detector 360° • Power supply: 230Vac 50Hz. • Power consumption: <1W. • Contact load: 16A cos ζ = 1 • Incandescence or halogens 230V: 3.000W. • Halogens electronic transfo.: 3.000W. • Halogens ferromagnetic transfo: 2.400W. • Fluorescence: 1.300W (130µF). • Led lamps. • PL lamps: 18x7W, 12x11W, 10x15W, 10x20W, 10x23W. • Detection angle: Circular 360° Range of coverage: Øm at 2,5m high and 18°. • Settings: via potentiometer. Lux value: 5-1.200 Lux. Time delay: 6 seconds to 12 minutes. • Dimensions (mounted): 118,5mm x 45mm. Degree of protection: IP40 / Class II. Working temperature: -10° to +45°.	
	Versions • Ceiling movement detector 360° • Surface Ceiling movement detector 360°	5TC7220-0 5TC7220-1
Note		
For further technical information, see ...		Section <i>Technical Information</i> Page 16/49



11/2	Inserts
11/5	Inserts with cover plate
11/9	Accessories and spare parts

Selection and ordering data

Version		Order No.
General information • For screw and claw fixing • 10 A, 250 V AC • Live parts of inserts covered by molded plastic • Self-retracting claws • The screwless terminals are connecting terminals for Cu and aluminum conductors		
Note	Section	Page
For extension claws, see ...	<i>Functions / Switching/Push-button Control/Dimming / Accessories and spare parts</i>	9/17
Shutter/blind switches, with electrical and mechanical interlock		
Versions • With claws • Without claws for hollow-wall mounting		5TA2154 5TA2154-0KK
For tops see section	Page (ff.)	
• <i>Design / i-system / Shutter/Blind Controls</i>	2/17	
• <i>Design / DELTA profil/Shutter/Blind Controls</i>	5/13	
• <i>Design / DELTA style/Shutter/Blind Controls</i>	6/15	
Note	Section	Page
For Technical specifications, see ...	<i>Technical Information / Shutter/Blind Controls / Shutter/blind switches with electrical and mechanical interlock</i>	16/51
		
5TA2154 (front view)		
		
5TA2154 (rear view)		
Shutter/blind pushbuttons, with electrical interlock		
Versions • With claws • Without claws for hollow-wall mounting		5TA2114 5TA2114-0KK
For tops see section	Page (ff.)	
• <i>Design / i-system / Shutter/Blind Controls</i>	2/17	
• <i>Design / DELTA profil/Shutter/Blind Controls</i>	5/13	
• <i>Design / DELTA style/Shutter/Blind Controls</i>	6/15	
Note	Section	Page
For Technical specifications, see ...	<i>Technical Information / Shutter/Blind Controls / Shutter/blind pushbuttons, with electrical interlock</i>	16/51
		
5TA2114 (front view)		
		
5TA2114 (rear view)		
Shutter/blind knob-operated switches • 10 A, 250 V AC • Momentary-contact and maintained-contact position to left and right and neutral position		
Versions • 1-pole • 2-pole		5TA7692 5TA7693
For tops see section	Page (ff.)	
• <i>Design / DELTA style / Shutter/Blind Controls</i>	6/15	
		
5TA7692		

Version		Order No.																										
	sys shutter/blind control inserts - For controlling a shutter/blind motor with mechanical or electronic limit switches - Flush-mounting devices - Operation is by means of <i>sys shutter/blind pushbuttons</i> and <i>UP 211 wave shutter/blind pushbuttons</i> (radio) Product features 2 relays which are interlocked against each other with a minimum switch-over 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 extension unit input - Multiphase operation possible (i.e. different phases at the main and secondary branches) - Bridging of voltage interruptions less than 0.2 s - Conventional shutter/blind pushbuttons (5TA2114) or switches (5TA2154) 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 <table><tr><td>For tops see section</td><td>Page (ff.)</td></tr><tr><td>• Design / i-system / Shutter/Blind Controls</td><td>2/17</td></tr><tr><td>• Design / DELTA profil / Shutter/Blind Controls</td><td>5/13</td></tr><tr><td>• Design / DELTA style / Shutter/Blind Controls</td><td>6/15</td></tr></table> <table><tr><td>Note</td><td>Section</td><td>Page</td></tr><tr><td>For Technical specifications, see ...</td><td>Technical Information / Shutter/Blind Controls / sys shutter/blind control inserts</td><td>16/55</td></tr></table> Note Download the operating and mounting instructions from: http://support.automation.siemens.com/ww/view/en/5tc1231/all	For tops see section	Page (ff.)	• Design / i-system / Shutter/Blind Controls	2/17	• Design / DELTA profil / Shutter/Blind Controls	5/13	• Design / DELTA style / Shutter/Blind Controls	6/15	Note	Section	Page	For Technical specifications, see ...	Technical Information / Shutter/Blind Controls / sys shutter/blind control inserts	16/55	5TC1231												
For tops see section	Page (ff.)																											
• Design / i-system / Shutter/Blind Controls	2/17																											
• Design / DELTA profil / Shutter/Blind Controls	5/13																											
• Design / DELTA style / Shutter/Blind Controls	6/15																											
Note	Section	Page																										
For Technical specifications, see ...	Technical Information / Shutter/Blind Controls / sys shutter/blind control inserts	16/55																										
	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. 5TA2114) - In order to ensure a sufficient degree of protection, the isolating relay must be installed in a surface-mounting or flush-mounting box Technical specifications <table><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 power 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>• Mounting</td><td>Flush-mounting box from 70 mm Ø, 4 mm deep or surface-mounting box, 100 mm x 100 mm</td></tr></table> - 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 <table><tr><td>Note</td><td>Section</td><td>Page</td></tr><tr><td>For further technical information, see ...</td><td>Technical Information / Shutter/Blind Controls / Shutter/blind control flush-mounting isolating relays</td><td>16/62</td></tr></table> Note Download the operating and mounting instructions from: http://support.automation.siemens.com/ww/view/en/5tc1270/all	• 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 power 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	• Mounting	Flush-mounting box from 70 mm Ø, 4 mm deep or surface-mounting box, 100 mm x 100 mm	Note	Section	Page	For further technical information, see ...	Technical Information / Shutter/Blind Controls / Shutter/blind control flush-mounting isolating relays	16/62	5TC1270
• 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 power 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																											
• Mounting	Flush-mounting box from 70 mm Ø, 4 mm deep or surface-mounting box, 100 mm x 100 mm																											
Note	Section	Page																										
For further technical information, see ...	Technical Information / Shutter/Blind Controls / Shutter/blind control flush-mounting isolating relays	16/62																										

Inserts

Version		Order No.																		
 5TC1271	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 shutter/blind pushbutton • If cascaded, a motor can be connected to each compact isolating relay, which can also be individually controlled over a shutter/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		5TC1271																	
	Technical specifications <table><tr><td>• Rated voltage</td><td>230 V / 50 Hz ±10 %</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 / 50 Hz ±10 %</td></tr><tr><td>• Relay power 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>50 mm x 53 mm x 22 mm</td></tr><tr><td>• Weight</td><td>Approx. 60 g</td></tr><tr><td>• Mounting</td><td>Flush-mounting box from 60 mm Ø, 40 mm deep or surface-mounting box, 75 mm x 75 mm x 37 mm</td></tr></table> • 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			• 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 power 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	• Mounting
	• 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 power 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																			
• Mounting	Flush-mounting box from 60 mm Ø, 40 mm deep or surface-mounting box, 75 mm x 75 mm x 37 mm																			
Note	Section	Page																		
For further technical information, see ...	<i>Technical Information / Shutter/Blind Controls / Shutter/blind control flush-mounting isolating relays, compact</i>	16/63																		
Note Download the operating and mounting instructions from: http://support.automation.siemens.com/ww/view/en/5tc1271/all																				

Selection and ordering data

Version		Order No.												
 5TA7660	Shutter/blind knob-operated switches with Up/Down symbols • In i-system design • For screw and claw fixing • Screw terminals • 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 colspan="3"> • 1-pole (changeover contact with neutral position) - Titanium white (similar to RAL 9010) - Electrical white (RAL 1013) • 2-pole (changeover contacts with neutral position) - Titanium white (similar to RAL 9010) - Electrical white (RAL 1013) </td></tr><tr><th>Note</th><th>Section</th><th>Page</th></tr><tr><td>For Technical specifications, see ...</td><td><i>Technical Information / Shutter/Blind Controls / Shutter blind knob-operated switches</i></td><td>16/52</td></tr></table>	Versions			• 1-pole (changeover contact with neutral position) - Titanium white (similar to RAL 9010) - Electrical white (RAL 1013) • 2-pole (changeover contacts with neutral position) - Titanium white (similar to RAL 9010) - Electrical white (RAL 1013)			Note	Section	Page	For Technical specifications, see ...	<i>Technical Information / Shutter/Blind Controls / Shutter blind knob-operated switches</i>	16/52	5TA7660 5TA7671 5TA7661 5TA7672
Versions														
• 1-pole (changeover contact with neutral position) - Titanium white (similar to RAL 9010) - Electrical white (RAL 1013) • 2-pole (changeover contacts with neutral position) - Titanium white (similar to RAL 9010) - Electrical white (RAL 1013)														
Note	Section	Page												
For Technical specifications, see ...	<i>Technical Information / Shutter/Blind Controls / Shutter blind knob-operated switches</i>	16/52												
 5TA7663	Shutter/blind knob-operated switches, with "Down/Up" label • In i-system design • For screw and claw fixing • Screw terminals • 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 colspan="3"> • Titanium white (similar to RAL 9010) • Electrical white (RAL 1013) </td></tr><tr><th>Note</th><th>Section</th><th>Page</th></tr><tr><td>For Technical specifications, see ...</td><td><i>Technical Information / Shutter/Blind Controls / Shutter blind knob-operated switches</i></td><td>16/52</td></tr></table>	Versions			• Titanium white (similar to RAL 9010) • Electrical white (RAL 1013)			Note	Section	Page	For Technical specifications, see ...	<i>Technical Information / Shutter/Blind Controls / Shutter blind knob-operated switches</i>	16/52	5TA7663 5TA7674
Versions														
• Titanium white (similar to RAL 9010) • Electrical white (RAL 1013)														
Note	Section	Page												
For Technical specifications, see ...	<i>Technical Information / Shutter/Blind Controls / Shutter blind knob-operated switches</i>	16/52												
 5TA7662	Shutter/blind key-operated switches with Up/Down symbols • In i-system design • With safety lock and 2 keys • For screw and claw fixing • Screw terminals • 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 colspan="3"> • Titanium white (similar to RAL 9010) • Electrical white (RAL 1013) </td></tr><tr><th>Note</th><th>Section</th><th>Page</th></tr><tr><td>For Technical specifications, see ...</td><td><i>Technical Information / Shutter/Blind Controls / Shutter blind knob-operated switches</i></td><td>16/52</td></tr></table>	Versions			• Titanium white (similar to RAL 9010) • Electrical white (RAL 1013)			Note	Section	Page	For Technical specifications, see ...	<i>Technical Information / Shutter/Blind Controls / Shutter blind knob-operated switches</i>	16/52	5TA7662 5TA7673
Versions														
• Titanium white (similar to RAL 9010) • Electrical white (RAL 1013)														
Note	Section	Page												
For Technical specifications, see ...	<i>Technical Information / Shutter/Blind Controls / Shutter blind knob-operated switches</i>	16/52												
 5TA7650	Shutter/blind key-operated switches with key symbol • In DELTA fläche IP44 design • IP44 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 terminals • 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 <table><tr><th colspan="3">Versions</th></tr><tr><td colspan="3"> • Momentary-contact and maintained-contact position to left and right • Momentary-contact position to left and right </td></tr><tr><th>Note</th><th>Section</th><th>Page</th></tr><tr><td>For Technical specifications, see ...</td><td><i>Technical Information / Shutter/Blind Controls / Shutter/blind key-operated</i></td><td>16/52</td></tr></table>	Versions			• Momentary-contact and maintained-contact position to left and right • Momentary-contact position to left and right			Note	Section	Page	For Technical specifications, see ...	<i>Technical Information / Shutter/Blind Controls / Shutter/blind key-operated</i>	16/52	5TA7650 5TA7651
Versions														
• Momentary-contact and maintained-contact position to left and right • Momentary-contact position to left and right														
Note	Section	Page												
For Technical specifications, see ...	<i>Technical Information / Shutter/Blind Controls / Shutter/blind key-operated</i>	16/52												



Version		Order No.
Shutter/blind pushbuttons, with electrical interlock, with Up/Down symbols • In DELTA fläche IP44 design • Screwless terminals • Terminal assignment same as for 5TA2114 flush-mounting insert		5TD4708
Note	Section	Page
For Technical specifications, see ...	Technical Information / Shutter/Blind Controls / Shutter/blind pushbuttons, with electrical interlock	16/51
Shutter/blind key-operated switches for master-key systems, with Up/Down symbols, momentary-contact position to left and right • In i-system design • For screw and claw fixing • Screw terminals • 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) - Electrical white (RAL 1013) • 2-pole (changeover contacts with neutral position) - Titanium white (similar to RAL 9010) - Electrical white (RAL 1013)		5TA7666 5TA7677
Note	Section	Page
• 5TG4225 <i>profile semicylinders</i> must be ordered separately • For Technical specifications, see ...	Technical Information / Shutter/Blind Controls / Shutter/blind key-operated switches, for master-key systems	16/53
Shutter/blind key-operated switches for master-key systems, with Up/Down symbols, momentary-contact and maintained-contact position to left and right • In i-system design • For screw and claw fixing • Screw terminals • 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) - Electrical white (RAL 1013) • 2-pole (changeover contacts with neutral position) - Titanium white (similar to RAL 9010) - Electrical white (RAL 1013)		5TA7664 5TA7675
Note	Section	Page
• 5TG4225 <i>profile semicylinders</i> must be ordered separately • For Technical specifications, see ...	Technical Information / Shutter/Blind Controls / Shutter/blind key-operated switches, for master-key systems	16/53
Shutter/blind key-operated switches for master-key systems, with Up/Down symbols, maintained-contact position to left and right • In i-system design • For screw and claw fixing • Screw terminals • 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) - Electrical white (RAL 1013) • 2-pole, changeover contacts without neutral position, maintained-contact position to left and right, key can be withdrawn in both switch positions - Titanium white (similar to RAL 9010) - Electrical white (RAL 1013)		5TA7668 5TA7680
Note	Section	Page
• 5TG4225 <i>profile semicylinders</i> must be ordered separately • For Technical specifications, see ...	Technical Information / Shutter/Blind Controls / Shutter/blind key-operated switches, for master-key systems	16/53

	Version	Order No.														
	Profile semicylinders for "shutter/blind key-operated switches for master-key systems" • CES product • With three keys • Identical key type	5TG4225														
	Shutter/blind controls • For use in the DELTA line, DELTA miro, DELTA profil and DELTA style ranges • For controlling a blind or shutter motor with mechanical or electronic limit switches • Operation is by means of 4 control buttons															
5TG4225																
	Versions • Titanium white (similar to RAL 9010) • Electrical white (RAL 1013) • Aluminum metallic or silver (similar to RAL 9006) • Carbon metallic or anthracite (similar to RAL 7016) <table border="1"> <thead> <tr> <th>Note</th><th>Section</th><th>Page</th></tr> </thead> <tbody> <tr> <td rowspan="2"> • For use with the DELTA profil product range, the following <i>intermediate frames</i> must be ordered separately: - Titanium white (similar to RAL 9010) - Silver or aluminum metallic (similar to RAL 9006) </td><td>Design / DELTA profil / Frames</td><td>5/5</td></tr> <tr> <td>dto.</td><td>5/5</td></tr> <tr> <td> • For use with the DELTA style product range, titanium white, an <i>intermediate frame</i> must be ordered separately, see ... </td><td>Design / DELTA style / Frames</td><td>6/5</td></tr> <tr> <td> • For Technical specifications, see ... </td><td>Technical Information / Shutter/Blind Controls / Shutter/blind controls</td><td>16/57</td></tr> </tbody> </table>	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) - Silver or aluminum metallic (similar to RAL 9006)	Design / DELTA profil / Frames	5/5	dto.	5/5	• For use with the DELTA style product range, titanium white, an <i>intermediate frame</i> must be ordered separately, see ...	Design / DELTA style / Frames	6/5	• For Technical specifications, see ...	Technical Information / Shutter/Blind Controls / Shutter/blind controls	16/57	5TC1520 5TC1532 5TC1522 5TC1524 5TG1893 5TG1762 5TG1327
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) - Silver or aluminum metallic (similar to RAL 9006)	Design / DELTA profil / Frames	5/5														
	dto.	5/5														
• For use with the DELTA style product range, titanium white, an <i>intermediate frame</i> must be ordered separately, see ...	Design / DELTA style / Frames	6/5														
• For Technical specifications, see ...	Technical Information / Shutter/Blind Controls / Shutter/blind controls	16/57														
5TC1520																
	Note Download the operating and mounting instructions from: http://support.automation.siemens.com/ww/view/en/5tc1520/all															
	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 terminals • 2 relays which are electrically 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 is possible at any time															

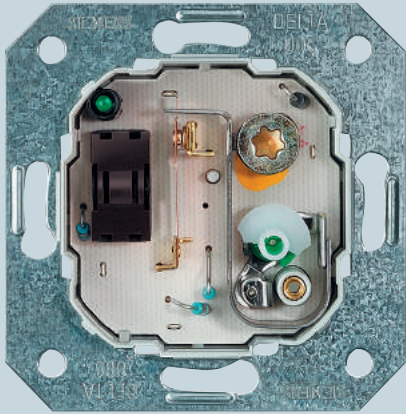


5TC1521

Version			Order No.
Comfort shutter/blind controls - For use in the DELTA line, DELTA miro, DELTA profil and DELTA style ranges - For controlling a blind or shutter motor with mechanical or electronic limit switches and comprehensive functionality (see product features) - Menu-controlled operation by means of 4 control buttons			
Versions - Titanium white (similar to RAL 9010) - Aluminum metallic or silver (similar to RAL 9006) - Carbon metallic or anthracite (similar to RAL 7016)			5TC1521 5TC1523 5TC1525
Note	Section	Page	
- The <i>sun sensor</i> must be ordered separately, see ... - For use with the DELTA profil product range, the following <i>intermediate frames</i> must be ordered separately: - Titanium white (similar to RAL 9010) - Silver or aluminum metallic (similar to RAL 9006) - For use with the DELTA style product range, titanium white, an <i>intermediate frame</i> must be ordered separately, see ... - For Technical specifications, see ...	<i>Design / i-system / Accessories and spare parts</i> <i>Design / DELTA profil / Frames dto.</i> <i>Design / DELTA style/ Frames</i> Technical Information / Shutter/Blind Controls / Comfort shutter/blind controls	2/35 5/5 5/5 6/5 16/58	5TC1526 5TG1893 5TG1762 5TG1327
Note Download the operating and mounting instructions from: http://support.automation.siemens.com/ww/view/en/5tc1521/all			
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 terminals 2 relays which are electrically 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 programming - 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 to daylight savings - 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

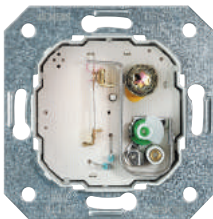
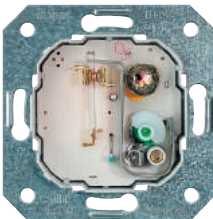
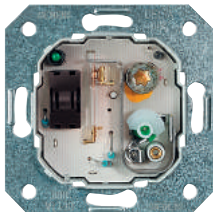
Version			Order No.
 5TC1526	Sun sensors • With 2-m connecting cable (extendable to 10 m) • In combination with the Comfort shutter/blind control, the sun sensor can be used for sun protection and twilight functions		5TC1526
	Note	Section	
	For Technical specifications, see ...	Technical Information / Shutter/Blind Controls / Comfort shutter/blind controls	
		Page	
		16/58	
Note			
Download the operating and mounting instructions from: http://support.automation.siemens.com/ww/view/en/5tc1526/all			

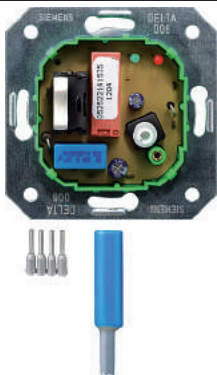


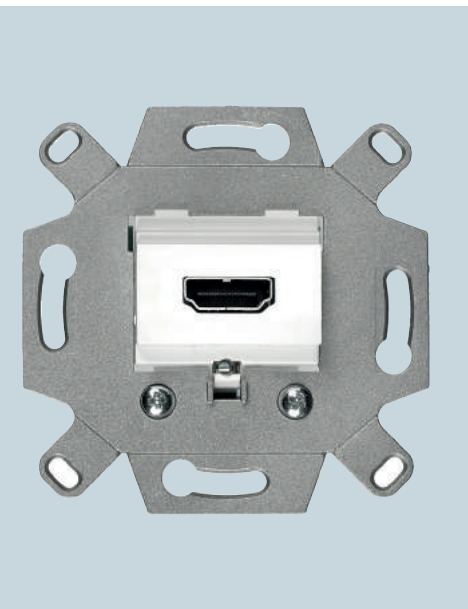
12/2

Inserts

Selection and ordering data

Version		Order No.
General information - For screw fixing - With screwless terminals		
 5TC9200	Room temperature controllers, 1 NC contact 1/N 230 V/240 V AC, 50 Hz, 10 A (4 A) - Standard 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	5TC9200
	For tops see section Page (ff.) • Design / i-system / Room Temperature Controllers • Design / DELTA profil / Room Temperature Controllers • Design / DELTA style / Room Temperature Controllers	
	Note Section Page	
	For Technical specifications, see ... Technical Information / Room Temperature Controllers / Room temperature controllers, with 1 NC contact 16/64	
 5TC9201	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	5TC9201
	For tops see section Page (ff.) • Design / i-system / Room Temperature Controllers • Design / DELTA profil / Room Temperature Controllers • Design / DELTA style / Room Temperature Controllers	
	Note Section Page	
	For Technical specifications, see ... Technical Information / Room Temperature Controllers / Room temperature controllers, with 1 CO contact 16/64	
 5TC9202	Room temperature controllers, 3-position switch 1/N 230 V/240 V AC, 50 Hz, 10 A (4 A) - With 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	5TC9202
	For tops see section Page (ff.) • Design / i-system / Room Temperature Controllers • Design / DELTA profil / Room Temperature Controllers • Design / DELTA style / Room Temperature Controllers	
	Note Section Page	
	For Technical specifications, see ... Technical Information / Room Temperature Controllers / Room temperature controllers, 3-position switches 16/65	

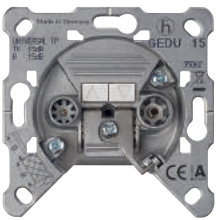
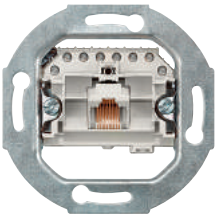
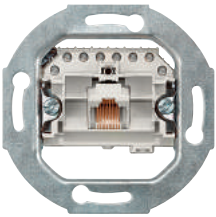
Version		Order No.
 5TC9203	Room temperature controllers, direct floor heating • With remote sensor • 1 N 230 V AC, 50 Hz, switching capacity 2.3 kW, 10 A (4 A) • Switch contact, NO contact • For controlling floor storage heating and electric floor heating with heat mats • The basic controller type comprises 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	5TC9203
	For tops see section	Page (ff.)
	• Design / i-system / Room Temperature Controllers	2/25
	• Design / DELTA profil / Room Temperature Controllers	5/20
	• Design / DELTA style / Room Temperature Controllers	6/21
	Note	Section
	For Technical specifications, see ...	Page
	Technical Information / Room Temperature Controllers / Room temperature controllers, direct floor heating	16/65

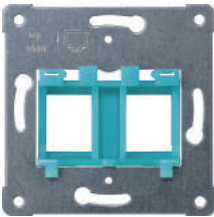


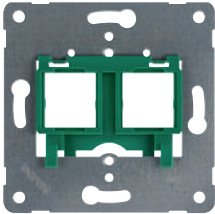
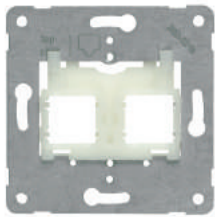
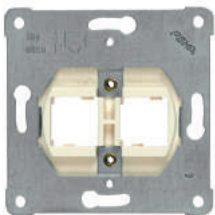
13/2	Inserts
13/8	Inserts with cover plate
13/9	Complete assemblies
13/10	m-system modules

Inserts

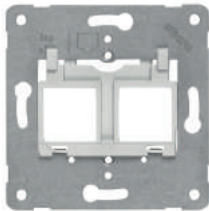
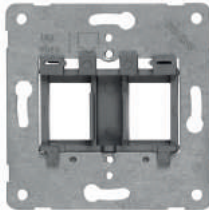
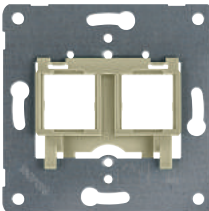
Selection and ordering data

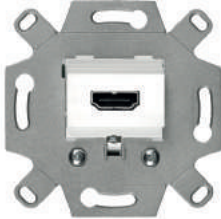
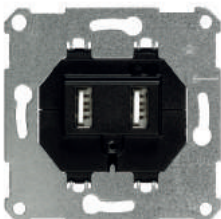
Version		Order No.	
Inserts for TV/RF/SAT			
	General information • For screw and claw fixing • Can be used with all international TV standards: B/G, D/K, I, L, M, CCIR/OIRT, PAL/SECAM/NTSC/Digital-TV • gap-free transition ranges at both outlets, i.e. any assignment possible with reverse channel and forward channel • Shielding EMC Class A to 300 MHz > 85 dB/2400 MHz > 55 dB		
	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		5TG2485
	For tops see section		Page (ff.)
	• Design / i-system / TV/RF/SAT • Design / DELTA profil/TV/RF/SAT • Design / DELTA style/TV/RF/SAT		2/29 5/23 6/24
	Note	Section	Page
For Technical specifications, see ...	Technical Information / TV/RF/SAT / Aerial branch-circuit boxes	16/69	
	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		5TG2484
	For tops see section		Page (ff.)
	• Design / i-system / TV/RF/SAT • Design / DELTA profil/TV/RF/SAT • Design / DELTA style/TV/RF/SAT		2/29 5/23 6/24
	Note	Section	Page
	For Technical specifications, see ...	Technical Information / TV/RF/SAT / Aerial through-way boxes/Terminal boxes	16/69
Inserts for data and voice networks			
	General information • For installation in combination devices • With screw and claw fixing		
	Note		Section
	For Technical specifications, see ...		Technical Information / Communication / UAE outlet boxes
			Page
			16/63
	UAE outlet boxes, Cat.3, Rutenbeck • With inclined outlet for RJ 11/12 and RJ 45 • With screw terminals • Unshielded • ISDN-capable		
	Versions		
	• 1 x 8-pole • 2 x 8-pole (8/8)		5TG2417 5TG2406
	For tops see section		Page (ff.)
	• Design / i-system / Communication • Design / DELTA profil/Communication • Design / DELTA style/Communication		2/26 5/21 6/22
5TG2417			

Version		Order No.
	Modular Jack support plates, yellow insert • Support plate with colored inserts for accommodating up to two Modular Jack plug-in connectors • For screw fixing • Mountable Jacks: - AMP/Tyco: 406372-x Cat.5 1116515-1 Cat.5e 1339015-1 Cat.5e 1375055-x Cat.6 1375187-x Cat.6 137188-1 Cat.6 1375189-1 Cat.5e 1375190-x Cat.5e 137191-x Cat.5e 1375192-x Cat.3 RJ11 1375193-x Cat.3 RJ11 1116604-x Cat.5e 1339189-x Cat.5e 188650-3 ... 6 338038-1 ... 4 1711342-1 - MTRJ127841-1 - MTRJ127842-1 - ASYCO Cat.5e/6 SFTP - Kerpen E-Line 600 GG45 Cat.6 Keystone clip Nr. 9ZE20009 - Nexans LENmark-MJ with Keystone clip N429.620	5TG2081
For tops see section		Page (ff.)
• Design / i-system / Communication		2/26
• Design / DELTA profil/Communication ¹⁾		5/21
• Design / DELTA style/Communication		6/22
Note		
¹⁾ Cutout frames necessary.		
	Modular Jack support plates, orange insert • Support plate with colored inserts for accommodating up to two Modular Jack plug-in connectors • For screw fixing • Mountable Jacks: - Setec: - SeSix 501244 - UKJ 501292 - Rutenbeck 13900 300 - MMC: - MK 6 NB - MK 6 AN - MK 6 FS - DANCHIEF 568 A/B, Cat.5 - Radiall R280 MOD 809 and MOD 811 - Hubbel HXJ 5 EBU and UTP - BTR UTP 130 A 10 I	5TG2082
For tops see section		Page (ff.)
• Design / i-system / Communication		2/26
• Design / DELTA profil/Communication ¹⁾		5/21
• Design / DELTA style/Communication		6/22
Note		
¹⁾ Cutout frames necessary.		
	Modular Jack support plates, blue insert • Support plate with colored inserts for accommodating up to two Modular Jack plug-in connectors • For screw fixing • Mountable Jacks: - Krone: - Cat.5 socket STP 6540.1.154.xx - UTP 6540.1.130.xx - UTP 6540.1.100.xx	5TG2083
For tops see section		Page (ff.)
• Design / i-system / Communication		2/26
• Design / DELTA profil/Communication ¹⁾		5/21
• Design / DELTA style/Communication		6/22
Note		
¹⁾ Cutout frames necessary.		

Version		Order No.	
	Modular Jack support plates, brown insert - Support plate with colored inserts for accommodating up to two Modular Jack plug-in connectors - For screw fixing - Mountable Jacks: Siemon MX6-FS	5TG2084	
For tops see section			Page (ff.)
- Design / i-system / Communication - Design / DELTA profil/Communication¹⁾ - Design / DELTA style/Communication			2/26 5/21 6/22
Note			
5TG2084	¹⁾ Cutout frames necessary.		
	Modular Jack support plates, green insert - Support plate with colored inserts for accommodating up to two Modular Jack plug-in connectors - For screw fixing - Mountable Jacks: - AVAYA Anixter Systimax (Lucent Techn.): - M11...en M100 (uitloop) - MPS100E Cat.5 - MPS200E + MGS 400 Cat.6 - Gigaspeed: - X10D MGS500 - X10D MFP520 - R&M: - R30511, -2, -3 and -4 with adapter 310694	5TG2058	
For tops see section			Page (ff.)
- Design / i-system / Communication - Design / DELTA profil/Communication¹⁾ - Design / DELTA style/Communication			2/26 5/21 6/22
Note			
5TG2058	¹⁾ Cutout frames necessary.		
	Modular Jack support plates, transparent insert - Support plate with colored inserts for accommodating up to two Modular Jack plug-in connectors - For screw Fixing - Mountable Jacks - AMP/tyco Type-Nr. 216811-1	5TG2058-1	
For tops see section			Page (ff.)
- Design / i-system / Communication - Design / DELTA profil/Communication¹⁾ - Design / DELTA style/Communication			2/26 5/21 6/22
Note			
5TG2058-1	¹⁾ Cutout frames necessary.		
	Modular Jack support plates, white insert - Modular Jack plug-in connectors - For screw Fixing - Mountable Jacks: - NORDIX/CDT 061110 AO 405302 + 3	5TG2058-2	
For tops see section			Page (ff.)
- Design / i-system / Communication - Design / DELTA profil/Communication¹⁾ - Design / DELTA style/Communication			2/26 5/21 6/22
Note			
5TG2058-2	¹⁾ Cutout frames necessary.		

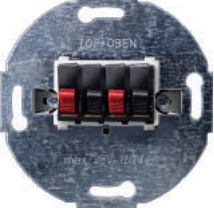
Inserts

	Version	Order No.								
	Modular Jack support plates, transparent grey insert - Support plate with colored inserts for accommodating up to two Modular Jack plug-in connectors - For screw Fixing - Mountable Jacks: - Lexel LexCom 125 + 250 mit Montagerahmen 306580009	5TG2058-3								
	<table><tr><th>For tops see section</th><th>Page (ff.)</th></tr><tr><td>• Design / i-system / Communication</td><td>2/26</td></tr><tr><td>• Design / DELTA profil/Communication¹⁾</td><td>5/21</td></tr><tr><td>• Design / DELTA style/Communication</td><td>6/22</td></tr></table>		For tops see section	Page (ff.)	• Design / i-system / Communication	2/26	• Design / DELTA profil/Communication ¹⁾	5/21	• Design / DELTA style/Communication	6/22
For tops see section	Page (ff.)									
• Design / i-system / Communication	2/26									
• Design / DELTA profil/Communication ¹⁾	5/21									
• Design / DELTA style/Communication	6/22									
	Note									
5TG2058-3	¹⁾ Cutout frames necessary.									
	Modular Jack support plates, silver insert - Support plate with colored inserts for accommodating up to two Modular Jack plug-in connectors - For screw Fixing - Mountable Jacks: 3 M 05-753-212 00 Cat.6A m.S. shielded - VOL-OCK6-SE8, VOL-OCK6A-SE8, VOL-OCK6ASN8 43096-746 00, 43096-747 00 - Daetwyler - KS-TS 6 418054, KS-T 6 418055, KS-T 6A 418060 - KS-T Plus 6A 418061, Unilan KU-T 1/8 418070/1/2/3 - MS-K 1/8 440001/04 Cat.6 m.S. shielded - LEVITON C6a + QP shielded - R & M - R509508 und -9 cat6A m.S. - R813512 und -514 cat6A ELS	5TG2058-4								
	<table><tr><th>For tops see section</th><th>Page (ff.)</th></tr><tr><td>• Design / i-system / Communication</td><td>2/26</td></tr><tr><td>• Design / DELTA profil/Communication¹⁾</td><td>5/21</td></tr><tr><td>• Design / DELTA style/Communication</td><td>6/22</td></tr></table>		For tops see section	Page (ff.)	• Design / i-system / Communication	2/26	• Design / DELTA profil/Communication ¹⁾	5/21	• Design / DELTA style/Communication	6/22
For tops see section	Page (ff.)									
• Design / i-system / Communication	2/26									
• Design / DELTA profil/Communication ¹⁾	5/21									
• Design / DELTA style/Communication	6/22									
	Note									
5TG2058-4	¹⁾ Cutout frames necessary.									
	Modular Jack support plates, beige insert - Support plate with colored inserts for accommodating up to two Modular Jack plug-in connectors - For screw fixing - Mountable Jacks: - BTR: - E-DAT module No.130910-I - Daetwyler: - Unilan MS 1/8 Cat.6 (equivalent to BTR jack)	5TG2098								
	<table><tr><th>For tops see section</th><th>Page (ff.)</th></tr><tr><td>• Design / i-system / Communication</td><td>2/26</td></tr><tr><td>• Design / DELTA profil/Communication¹⁾</td><td>5/21</td></tr><tr><td>• Design / DELTA style/Communication</td><td>6/22</td></tr></table>		For tops see section	Page (ff.)	• Design / i-system / Communication	2/26	• Design / DELTA profil/Communication ¹⁾	5/21	• Design / DELTA style/Communication	6/22
For tops see section	Page (ff.)									
• Design / i-system / Communication	2/26									
• Design / DELTA profil/Communication ¹⁾	5/21									
• Design / DELTA style/Communication	6/22									
	Note									
5TG2098	¹⁾ Cutout frames necessary.									

Version		Order No.
Multimedia connectors		
 5TG2020-0	Connector HDMI - The HDMI adapter enables the transmission of high-resolution digital audio and video, e.g. from a DVD / Blue-Ray player to an LED TV screen. - HDMI Type A standard or high speed supported Versions - Connector HDMI, white - Connector HDMI, grey For tops see sectionPage (ff.) - Design / i-system / Communication2/26 - Design / DELTA profil/Communication5/21 - Design / DELTA style/Communication6/22	5TG2020-0 5TG2020-1
 5TG2021-0	Connector VGA - The VGA adapter enables the transmission of analogue video data between PCs or laptops and display units such as monitors. - Full HD-compatible (1920 x 1080 pixel) and suitable for the connection of 15-core VGA cables. Versions - Connector VGA, white - Connector VGA, grey For tops see sectionPage (ff.) - Design / i-system / Communication2/26 - Design / DELTA profil/Communication5/21 - Design / DELTA style/Communication6/22	5TG2021-0 5TG2021-1
 5TG2022-0	Connector USB - The USB adapter enables data interconnection of various devices with USB connectors such as printers, USB sticks, digital cameras, laptops or LED TV screens. - USB socket Type A, USB 2.0-compatible Versions - Connector USB, white - Connector USB, grey For tops see sectionPage (ff.) - Design / i-system / Communication2/26 - Design / DELTA profil/Communication5/21 - Design / DELTA style/Communication6/22	5TG2022-0 5TG2022-1
Chargers		
 5TG2025-0	Double USB Charger - Suitable for charging portable electronic devices connected via a USB 2.0 type A plug. - Up to two devices can be charged simultaneously. - Input voltage: AC 100-240 V. - Output voltage: DC 5 V short circuit protection. - Output current: 700 mA per socket and 1400 mA using one.	5TG2025-0

Inserts with cover plate

Selection and ordering data

Version			Order No.
General information			
Note	Section	Page	
Technical specifications for UAE outlet boxes, see ...	<i>Technical Information / Communication / UAE outlet boxes</i>	16/68	
 Cover plates, for BNC connection, double - In i-system design - With socket contacts - For screw and claw fixing - Crimp connection 75 Ω			
Versions - Titanium white (similar to RAL 9010) - Electrical white (RAL 1013)			5TG2068 5TG2067
5TG2068			
 Loudspeaker outlet boxes, single - Loudspeaker outlet box with plug-in terminals (with screw terminals at rear) - Polarity color coded - Also suitable as outlet box for protective extra-low voltages			5TG2467-2
For tops see section			
<i>Design / i-system / Communication</i> <i>Design / DELTA profil/Communication</i> <i>Design / DELTA style/Communication</i>			2/26 5/21 6/22
Technical specifications			
- Rear screw terminals - Solid Cu conductor 10 mm² - Flexible conductor with end sleeve 6 mm² - Front terminal - Flexible Cu conductor without end sleeve 6 mm² - Highly flexible Cu conductor without end sleeve 4 mm² - Rated voltage 25 V AC, 60 V DC			
5TG2467-2			
 Loudspeaker outlet boxes, double - Stereo loudspeaker outlet box with plug-in terminals (with screw terminals at rear) - Polarity color coded - Also suitable as outlet box for protective extra-low voltages			5TG2468-2
For tops see section			
<i>Design / i-system / Communication</i> <i>Design / DELTA profil/Communication</i> <i>Design / DELTA style/Communication</i>			2/26 5/21 6/22
Technical specifications			
- Rear screw terminals - Solid Cu conductor 10 mm² - Flexible conductor with end sleeve 6 mm² - Front terminal - Flexible Cu conductor without end sleeve 6 mm² - Highly flexible Cu conductor without end sleeve 4 mm² - Rated voltage 25 V AC, 60 V DC			
5TG2468-2			

Selection and ordering data

	Version	Order No.
	Flush-mounting radios • For horizontal and vertical mounting • Degree of protection: IP20 • 230 V / 50 Hz • Anti-slip terminals up to 2.5 mm² • Not suitable for installation in multiple frames (triple to quintuple) • For installation in two flush-mounting boxes (i.e. instead of the original double socket outlet)	
	Versions	
	• Titanium white (similar to RAL 9010) • Aluminum metallic (similar to RAL 9006) • Carbon metallic (similar to RAL 7016)	5TC1060 5TC1061 5TC1062
	Note	
	Download the operating and mounting instructions from: http://support.automation.siemens.com/ww/view/en/5tc1060/all	
5TC1060	Product features	
	• Can be mounted either horizontally or vertically due to rotating display module • Six freely programmable transmitter memories • Illuminated display (can be adjusted separately for ON/OFF mode) • Display of transmitter name over RDS signal • Display of time • Radio alarm clock with display of alarm time, if activated • Sleep timer (automatic switch-off after user-defined time) • Good sound quality due to high-quality loudspeaker • Secondary mode possible over motion detector • Secondary mode possible through use of pushbuttons or switches	

Selection and ordering data

Version		Order No.	
General information			
Note			
All the modules shown here can be combined with the module carriers of the DELTA line, DELTA miro, DELTA profil product ranges.			
	UAE outlet boxes, Cat.3		
	• Telephone socket outlet for modular system • Cat.3 RJ11/12 with shutter • LSA-Plus connection method • Can only be used with module carrier, 1M or 2M		
	Versions		
	• Titanium white (similar to RAL 9010) • Aluminum metallic/silver (similar to RAL 9006) • Carbon metallic/anthraccite (similar to RAL 7016)		
	5TG9874-1TW 5TG9874-1AM 5TG9874-1CM		
Note		Section	Page
• For module carriers for DELTA line, and DELTA miro, see ...		<i>Design / m-system / Module carriers for DELTA line and DELTA miro</i>	7/4
• Module carriers for DELTA profil, see ...		<i>Design / m-system / Module carriers for DELTA profil</i>	7/5
	UAE outlet boxes, Cat.5		
	• PC socket outlet for modular system • Cat.5 RJ45 with shutter • LSA-Plus connection method • Can only be used with module carrier, 1M or 2M • Titanium white (similar to RAL 9010)		
	Versions		
	• Titanium white (similar to RAL 9010) • Aluminum metallic/silver (similar to RAL 9006) • Carbon metallic/anthraccite (similar to RAL 7016)		
	5TG9874-2TW 5TG9874-2AM 5TG9874-2CM		
Note		Section	Page
• For module carriers for DELTA line and DELTA miro, see ...		<i>Design / m-system / Module carriers for DELTA line and DELTA miro</i>	7/4
• Module carriers for DELTA profil, see ...		<i>Design / m-system / Module carriers for DELTA profil</i>	7/5



14/2

Smoke detectors

Selection and ordering data

Version		Order No.														
 5TC1296	DELTA reflex 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 button for function test • Titanium white (similar to RAL 9010)	5TC1296														
	Technical specifications <table><tr><td>• Power supply</td><td>230 V AC and 9 V alkaline backup battery (included in delivery)</td></tr><tr><td>• Networking</td><td>Up to 38 smoke detectors of the same type</td></tr><tr><td>• Signaling</td><td>Acoustic signal transducer: horn > 85 dB(A) Optical indicator: red LED</td></tr><tr><td>• Temperature range</td><td>0 +50 °C</td></tr><tr><td>• Dimensions (Ø x H)</td><td>111 mm x 40 mm</td></tr><tr><td>• Mounting</td><td>Surface mounting with or without surface-mounting box (see accessories)</td></tr><tr><td>• Degree of protection</td><td>IP20</td></tr><tr><td>• Approvals</td><td>VdS certification acc. to EN 14604 10/05</td></tr></table>		• Power supply	230 V AC and 9 V alkaline backup battery (included in delivery)	• Networking	Up to 38 smoke detectors of the same type	• Signaling	Acoustic signal transducer: horn > 85 dB(A) Optical indicator: red LED	• Temperature range	0 +50 °C	• Dimensions (Ø x H)	111 mm x 40 mm	• Mounting	Surface mounting with or without surface-mounting box (see accessories)	• Degree of protection	IP20
• Power supply	230 V AC and 9 V alkaline backup battery (included in delivery)															
• Networking	Up to 38 smoke detectors of the same type															
• Signaling	Acoustic signal transducer: horn > 85 dB(A) Optical indicator: red LED															
• Temperature range	0 +50 °C															
• Dimensions (Ø x H)	111 mm x 40 mm															
• Mounting	Surface mounting with or without surface-mounting box (see accessories)															
• Degree of protection	IP20															
• Approvals	VdS certification acc. to EN 14604 10/05															
 5TC1297	Outlet boxes for "DELTA reflex 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)	5TC1297														



15/2	Introduction
	Indicating and operating units
15/4	Push-button bus coupling unit (BTM)
15/7	DELTA bus coupler push-button
15/7	Surface-mounted push-button IP44
	System products and accessories
15/7	Bus coupling units and accessories

Overview

Modular bus transceiver module and flush-mounting actuator

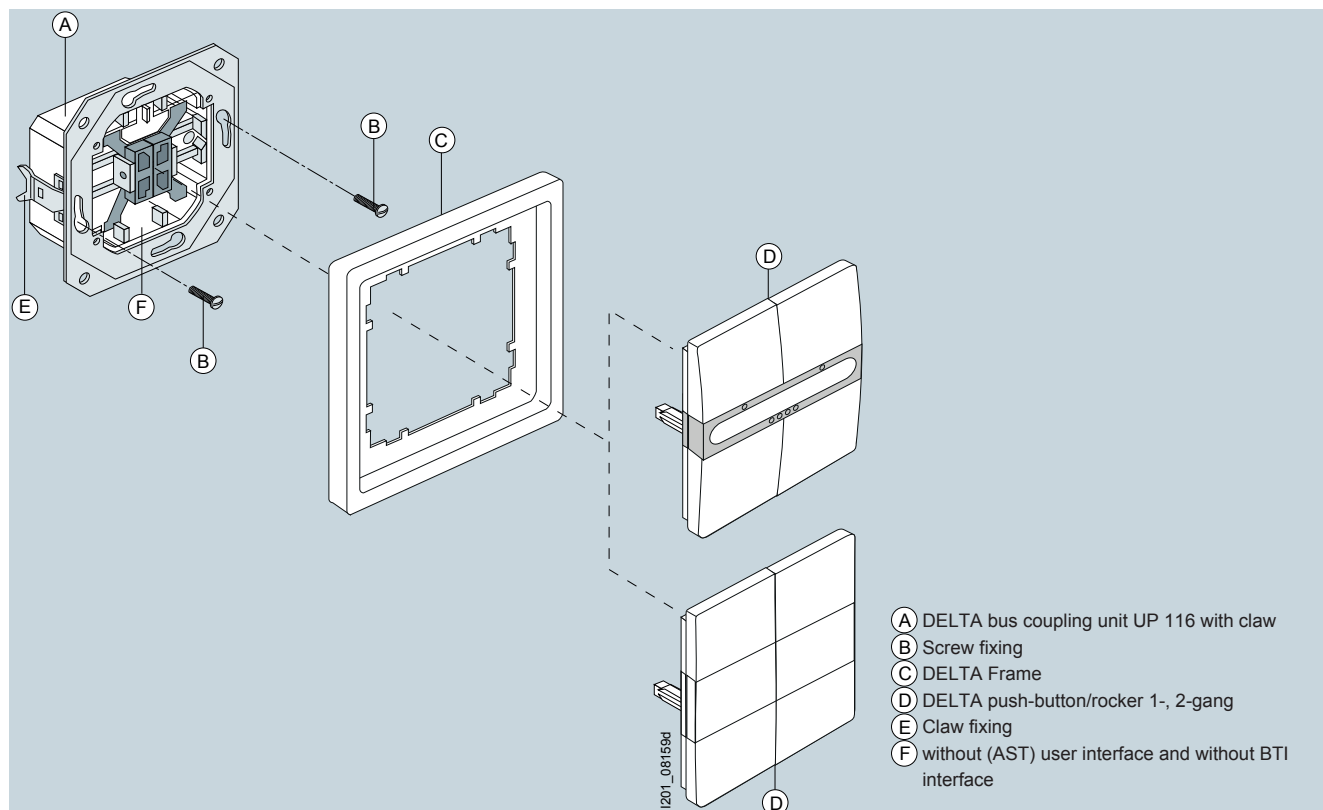
A key feature of the GAMMA instabus is its uniform bus transceiver module. The bus transceiver module (BTM) can be used as a stand-alone unit, as well as a combined version in various devices of the flush-mounting actuator range. Implementation of the BTI interface (Bus Transceiver Interface) with the bus transceiver module (BTM) ensures maximum flexibility and an impressive range of functions. Bus coupling units (BTM) and flush-mounting actuators with integrated bus transceiver modules (BTM) enable the use of GAMMA display/operator interfaces, such as pushbuttons, room temperature controllers and operation units in a wide range of designs.

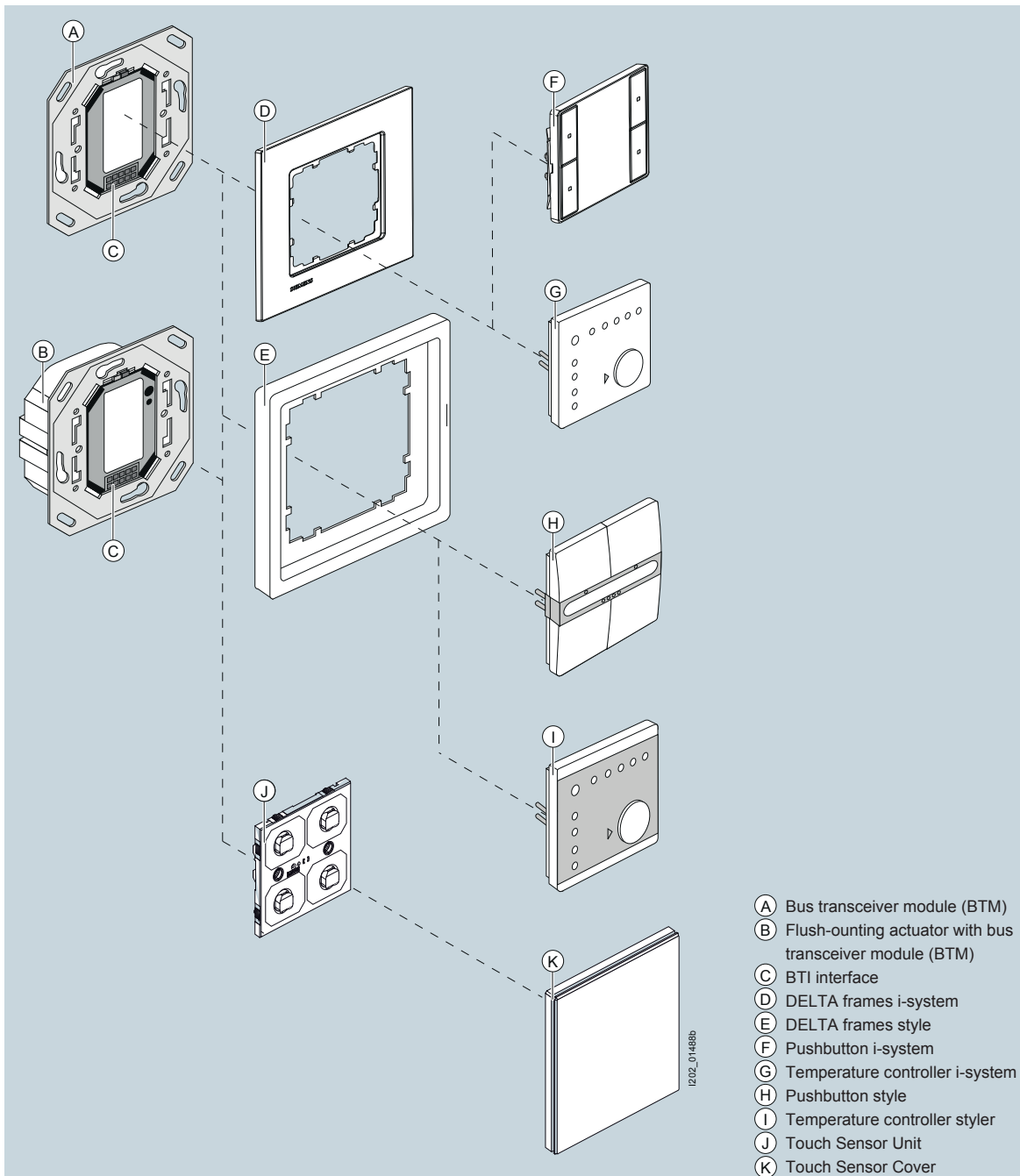
Thus, all GAMMA instabus operator interfaces with BTI interface in the design lines i-system, DELTA style and touch sensors glass can be combined with either a bus transceiver module (BTM) or a flush-mounting actuator with bus transceiver module (BTM).

This reduces planning work and facilitates installation and commissioning. The application programs of the flush-mounting actuators are identical to those of the functionally equivalent devices from the modular room control range. This means that all devices have the same standard application program - regardless of mounting type - whether flush-mounting, with or without mounting frame - or whether designed for installation in the room control box and automation module box.



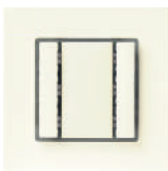
User interface with DELTA bus coupler





- Ⓐ Bus transceiver module (BTM)
- Ⓑ Flush-mounting actuator with bus transceiver module (BTM)
- Ⓒ BTI interface
- Ⓓ DELTA frames i-system
- Ⓔ DELTA frames style
- Ⓕ Pushbutton i-system
- Ⓖ Temperature controller i-system
- Ⓗ Pushbutton style
- Ⓘ Temperature controller styler
- ⓵ Touch Sensor Unit
- ⓶ Touch Sensor Cover

Selection and ordering data

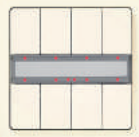
Version		Order No.
Touch sensors glass		
Touch sensors glass UP 211, UP 212, UP 213 • Sensitive pair of touch areas for vertical operation • Per touch area selectable function, scene controller • Round, transparent circle per touch area to the RGB LED background lighting • Glass cover with chrome border • Proximity sensor • Covers 95x95 mm • For plugging onto a bus transceiver module (BTM) or a flush-mounting actuator with bus transceiver module (BTM)		
 5WG1211-8DB11	• Push button sensor Basic module, 1-fold • Push button sensor cover, 1-fold, White • Push button sensor cover, 1-fold, Black	5WG1211-2DB01 5WG1211-8DB11 5WG1211-8DB21
 5WG1212-8DB11	• Push button sensor Basic module, 2-fold • Push button sensor cover, 2-fold, White • Push button sensor cover, 2-fold, Black	5WG1212-2DB01 5WG1212-8DB11 5WG1212-8DB21
 5WG1213-8DB11	• Push button sensor Basic module, 4-fold • Push button sensor cover, 4-fold, White • Push button sensor cover, 4-fold, Black	5WG1213-2DB01 5WG1213-8DB11 5WG1213-8DB21
i-system		
Pushbutton, i-system • Push button in pair • Horizontal operation • Per push button selectable function • LED for orientation light • Labeling field • Connectable bus coupling unit (BTM) or flush-mounted actuators via BTI		
 5WG1221-2DB12	Pushbutton UP 221/2 1-fold • titan white (similar RAL 9010) • aluminium metallic	5WG1221-2DB12 5WG1221-2DB32
 5WG1221-2DB13	Pushbutton UP 221/3 1-fold, with status LED • titan white (similar RAL 9010) • aluminium metallic	5WG1221-2DB13 5WG1221-2DB33
 5WG1222-2DB12	Pushbutton UP 222/2 2-fold • titan white (similar RAL 9010) • aluminium metallic	5WG1222-2DB12 5WG1222-2DB32

	Version	Order No.	
	Pushbutton UP 222/3 2-fold, with status LED • titan white (similar RAL 9010) • aluminium metallic	5WG1222-2DB13 5WG1222-2DB33	
	Pushbutton UP 223/2 3-fold • titan white (similar RAL 9010) • aluminium metallic	5WG1223-2DB12 5WG1223-2DB32	
	Pushbutton UP 223/3 3-fold, with status LED • titan white (similar RAL 9010) • aluminium metallic	5WG1223-2DB13 5WG1223-2DB33	
	Pushbutton UP 223/4 3-fold, with status LED, scene module and room temperature sensor • titan white (similar RAL 9010) • aluminium metallic	5WG1223-2AB14 5WG1223-2AB34	
	Pushbutton UP 223/5 3-fold, with status LED, scene controller and IR receiver decoder • titan white (similar RAL 9010) • aluminium metallic	5WG1223-2DB15 5WG1223-2DB35	

Note:

The bus transceiver module (BTM) or flush-mounting actuator with bus transceiver module (BTM) must be ordered separately.
The matching design frame must be ordered separately

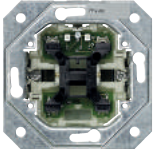
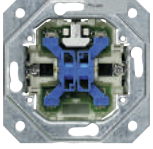
Pushbutton Bus coupling unit (BTM)

Version		Order No.
DELTA style		
 5WG1285-2DB12	Pushbutton, DELTA style • Vertical operation • Per pushbutton selectable function • LED for orientation light • Labeling field • Connectable bus coupling unit (BTM) or flush-mounted actuators via BTI Pushbutton UP 285/2 1-fold • titan white (similar RAL 9010) • platin metallic	5WG1285-2DB12 5WG1285-2DB42
	Pushbutton UP 285/3 1-fold, with status LED • titan white (similar RAL 9010) • platin metallic 5WG1285-2DB13	5WG1285-2DB13 5WG1285-2DB43
 5WG1286-2DB12	Pushbutton UP 286/2 2-fold • titan white (similar RAL 9010) • platin metallic	5WG1286-2DB12 5WG1286-2DB42
	Pushbutton UP 286/3 2-fold, with status LED • titan white (similar RAL 9010) • platin metallic 5WG1286-2DB13	5WG1286-2DB13 5WG1286-2DB43
 5WG1287-2DB12	Pushbutton UP 287/2 4-fold • titan white (similar RAL 9010) • platin metallic	5WG1287-2DB12 5WG1287-2DB42
	Pushbutton UP 287/3 4-fold, with status LED • titan white (similar RAL 9010) • platin metallic 5WG1287-2DB13	5WG1287-2DB13 5WG1287-2DB43
 5WG1287-2AB14	Pushbutton UP 287/4 4-fold, with status LED, scene module and room temperature sensor • titan white (similar RAL 9010) • platin metallic	5WG1287-2AB14 5WG1287-2AB44
	Pushbutton UP 287/5 4-fold, with status LED, scene controller and IR receiver decoder • titan white (similar RAL 9010) • platin metallic 5WG1287-2DB15	5WG1287-2DB15 5WG1287-2DB45

Note:

The bus transceiver module (BTM) or flush-mounting actuator with bus transceiver module (BTM) must be ordered separately. The matching design frame must be ordered separately.

Selection and ordering data

Version	Order No.
DELTA bus coupler push-button	
Note The required single or serial rocker (without or with window) and the frame in matching DELTA design must be ordered separately DELTA bus coupler UP 116, 1-fold • Middle position • Button position	5WG1116-2AB01 5WG1116-2AB21
 5WG1116-2AB01	
DELTA bus coupler UP 116, 2-fold • Middle position • Button position	5WG1116-2AB11 5WG1116-2AB31
 5WG1116-2AB11	

Surface-mounting push buttons IP44

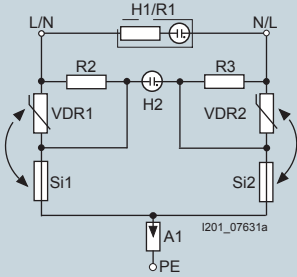
Selection and ordering data

Version	Order No.
Surface-mounting push buttons IP44	
Push button AP 115/01 • 1-fold, mid-position, Status LED, IP44 Push button AP 115/21 • 1-fold, push button position, Status LED, IP44	5WG1115-3AB01 5WG1115-3AB21
 5WG1115-3AB01	
Push button AP 115/11 • 2-fold, mid-position, IP44 Push button AP 115/31 • 2-fold, push button position, IP44	5WG1115-3AB11 5WG1115-3AB31
 5WG1115-3AB11	

Bus coupling units and accessories

Selection and ordering data

Version	Order No.
Bus coupling	
Bus coupling UP 117/12 • Bus transceiver modules, mounting depth 18 mm UP 117/12 • For connection of a modular bus device to the bus line • 10-pole BTI socket (BTI - Bus Transceiver Interface) for plugging of bus terminal devices with BTI connector • For installation in flush-mounting switch and socket boxes with Ø 60 mm in diameter 40 mm deep • Screw fixing • Bus connection via bus terminal	5WG1117-2AB12
 5WG1117-2AB12	



16/2	General
16/4	Dimensional drawings
16/6	Switches and pushbuttons
16/12	Socket outlets
16/13	Dimmers
16/34	Motion detectors
16/50	Shutter/blind controls
16/64	Room temperature controllers
16/67	Communication
16/69	TV / RF / SAT
16/70	m-system

Degrees of protection

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	Product brief	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.

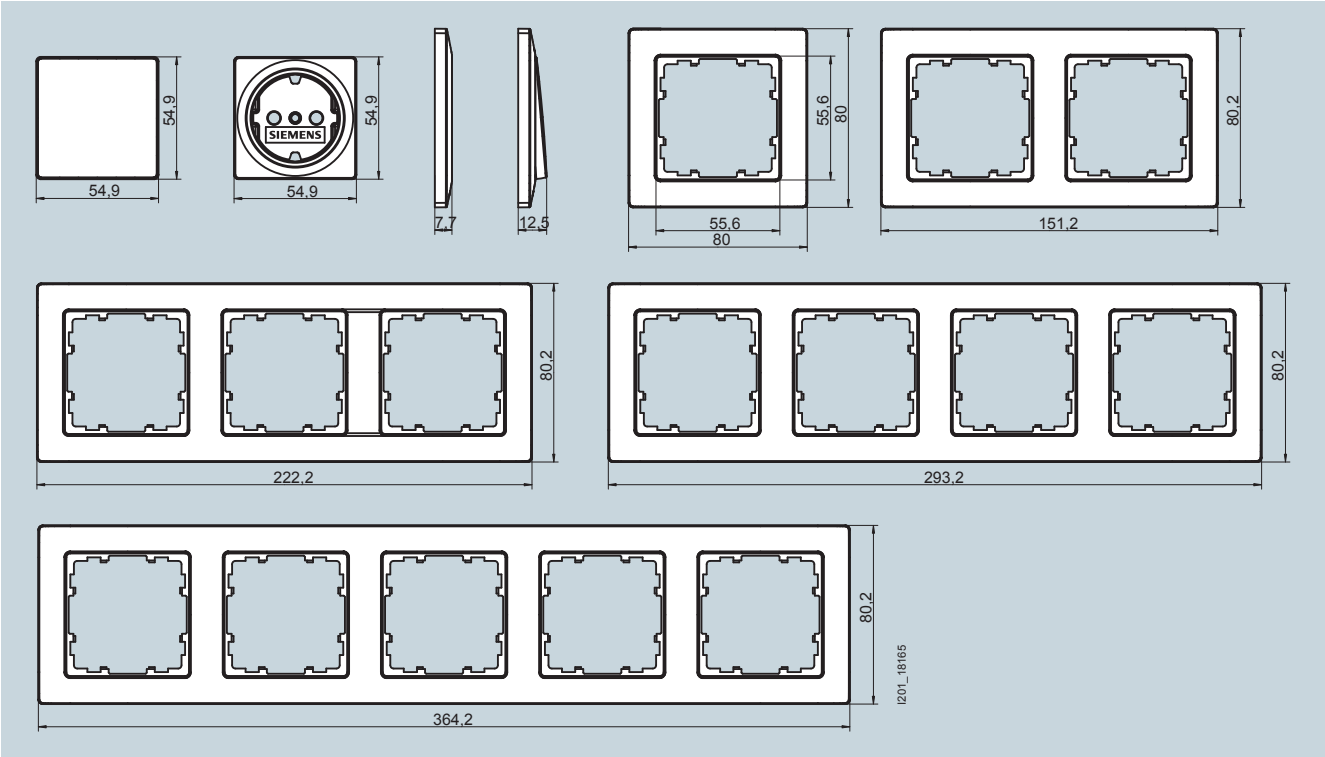
Second code number	Product brief	Definition
0	Not protected	--
1	Drip-proof	Vertically falling drops must not have any damaging effects
2	Drip-proof, if the enclosure is inclined up to 15° from normal position	Vertically falling drops must not have any damaging effect if the enclosure is tilted at an 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

	Approval mark for Germany (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

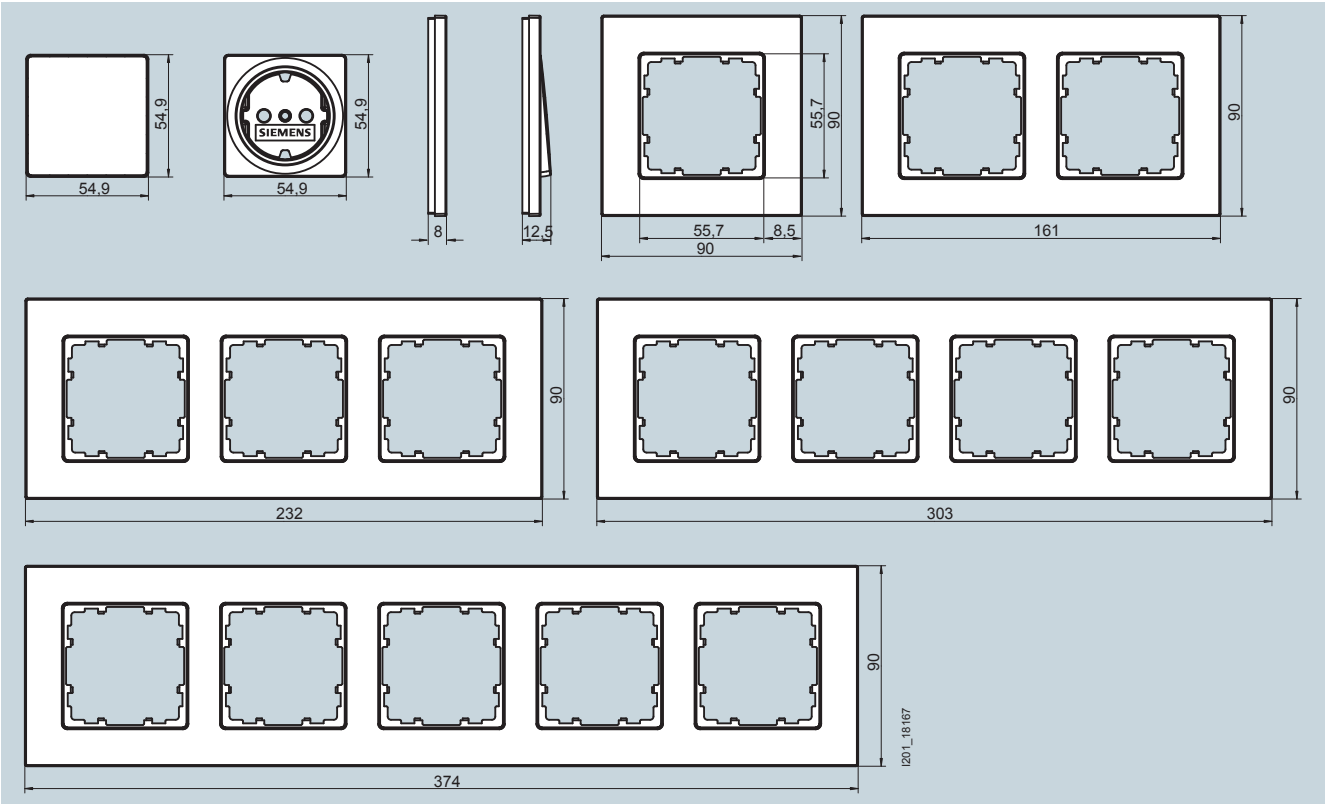
DELTA line

Dimensional drawings

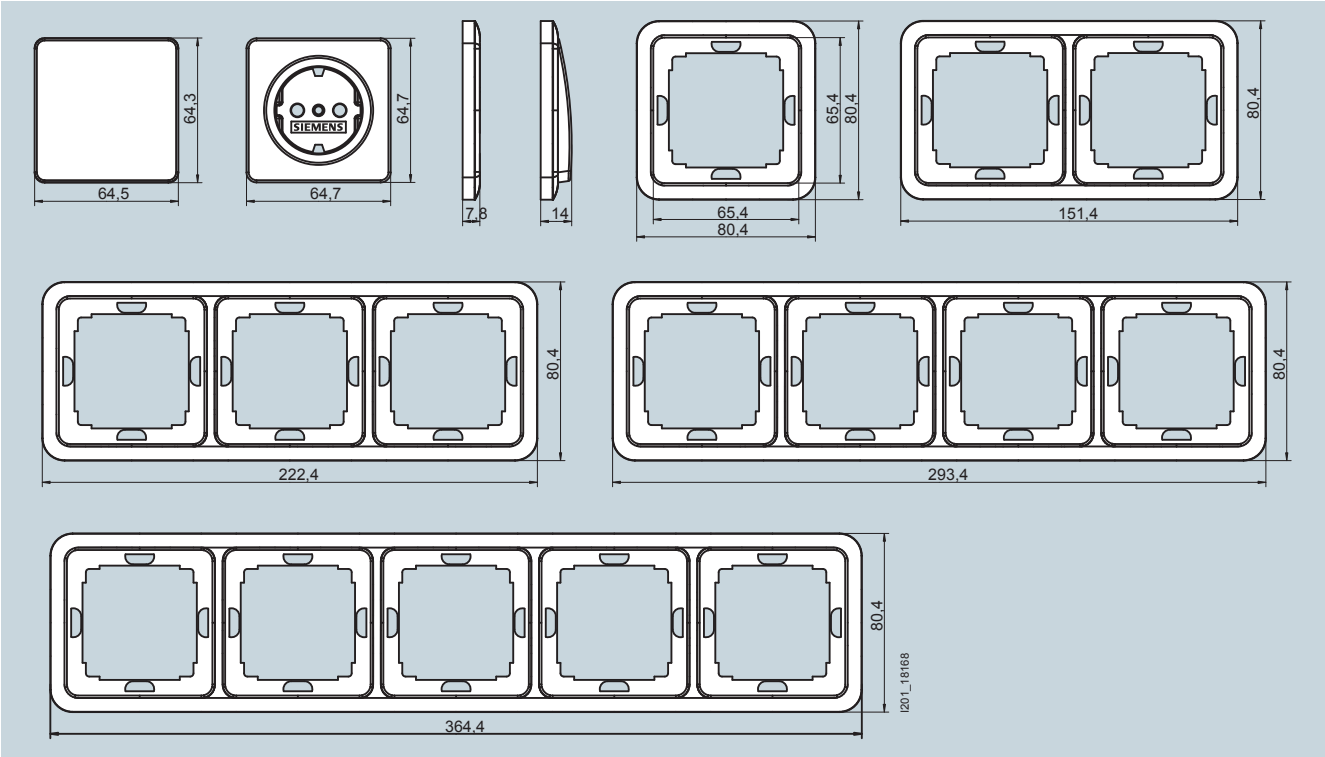


DELTA miro

Dimensional drawings

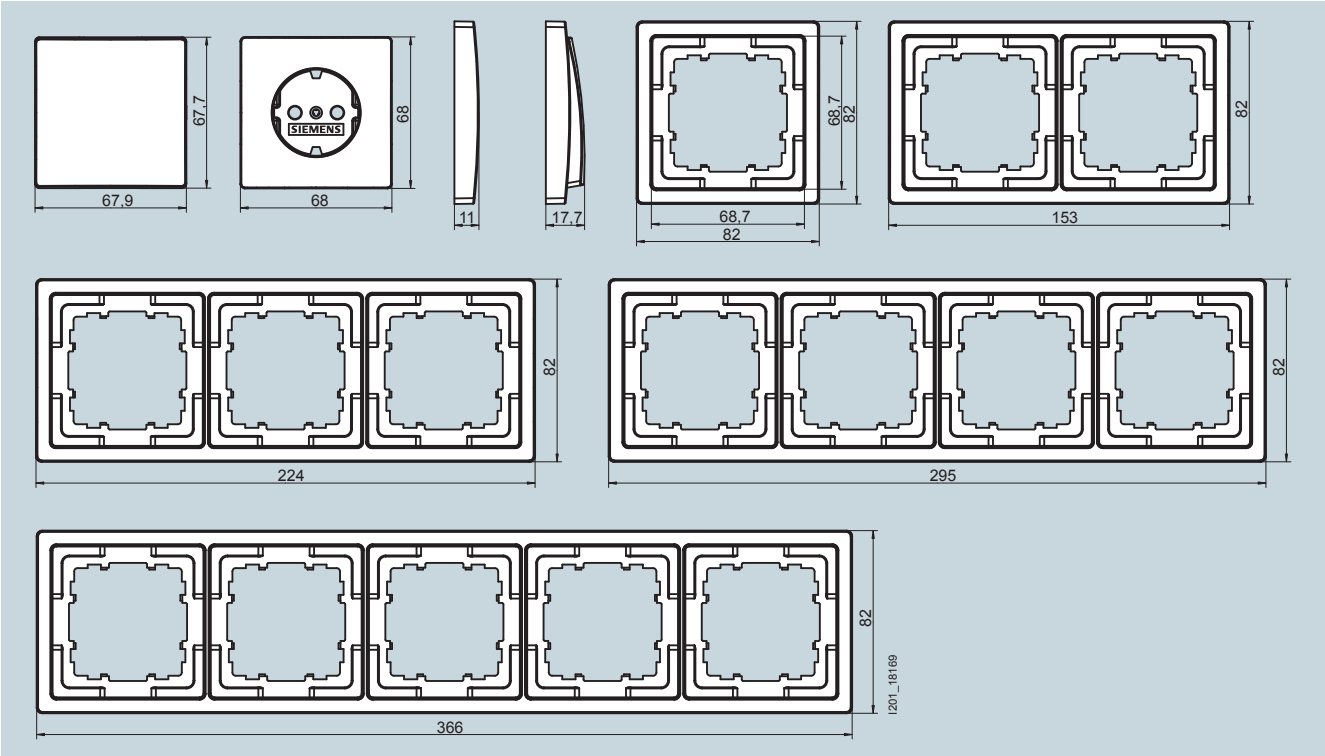


Dimensional drawings



DELTA style

Dimensional drawings



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

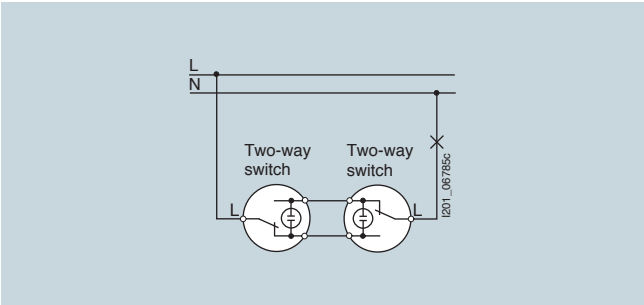
¹⁾ Incandescent lamps were cooled during the test.

²⁾ OSRAM ECGs.

Universal switches (5TA2156)

Schematics

Glow lamps/LED light inserts for orientation



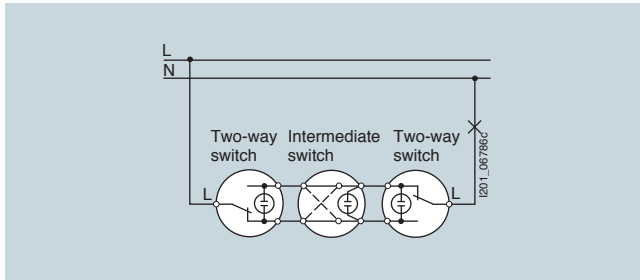
Order No. of insert: 5TA2156

Order No. of glow lamp: 5TG7332

Order No. of LED light inserts: [see section Switching/Pushbutton Control/Dimming / Accessories and spare parts](#)(page 11/18)

Schematics

Glow lamps/LED light inserts for orientation



Order No. of inserts:
5TA2156/5TA2 117/5TA2156

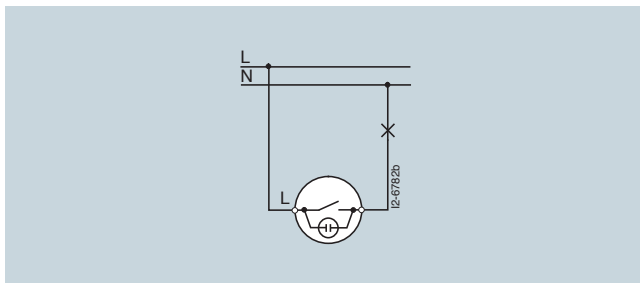
Order No. of glow lamp: 5TG7332

Order No. of LED light inserts: [see section Switching/Pushbutton Control/Dimming / Accessories and spare parts](#) (page 11/18)

ON/OFF switches, 1-pole, (5TA2151)

Schematics

Glow lamps/LED light inserts for orientation



Order No. of insert: 5TA2151

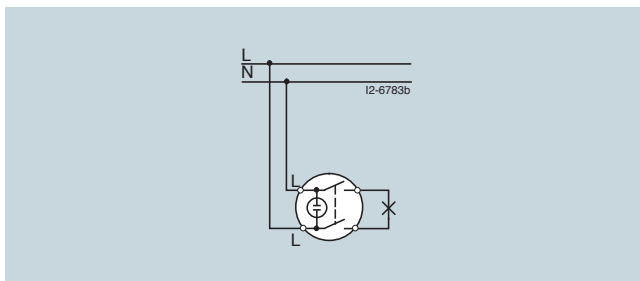
Order No. of glow lamp: 5TG7332

Order No. of LED light inserts: [see section Switching/Pushbutton Control/Dimming / Accessories and spare parts](#) (page 11/18)

ON/OFF switches, 2-pole

Schematics

Glow lamps/LED light inserts for orientation

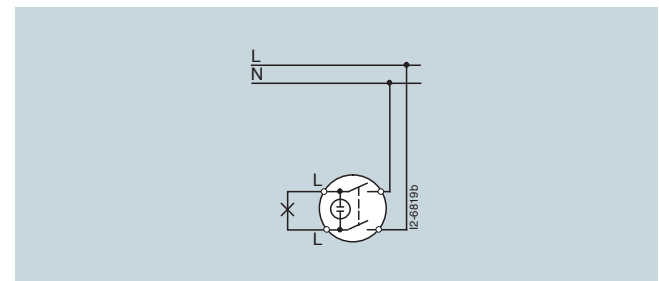


Order No. of insert:
5TA2112, 10 A and 5TA2162, 16 A

Order No. of glow lamp: 5TG7332

Order No. of LED light inserts: [see section Switching/Pushbutton Control/Dimming / Accessories and spare parts](#) (page 11/18)

Glow lamps/LED light inserts for control



Order No. of inserts:
5TA2112, 10 A and 5TA2162, 16 A

Order No. of glow lamp: 5TG7332

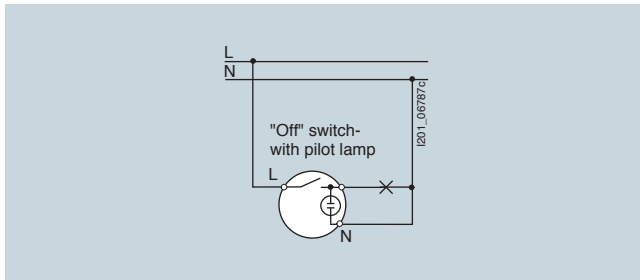
Order No. of LED light inserts: [see section Switching/Pushbutton Control/Dimming / Accessories and spare parts](#) (page 11/18)

Technical Information

Switches and Pushbuttons

Switches with pilot lamp for ON/OFF switching (5TA2150)

Schematics

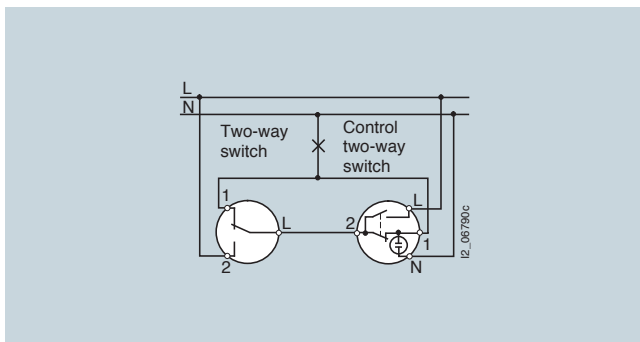


Order no. for insert including illuminants: 5TA2150

Switches with pilot lamp for two-way switching (5TA2108)

Schematics

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

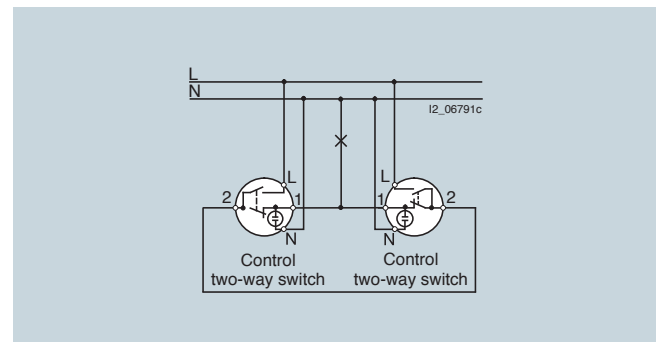


Order No. of inserts:

- 5TA2156 (two-way switch)
- 5TA2108 (control two-way switch)

5TA2108 insert including illuminants

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



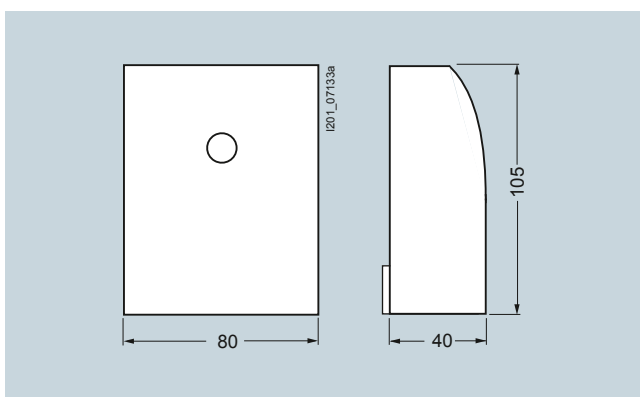
Order No. of insert:

5TA2108 (control two-way switch)

5TA2108 insert including illuminants

Dusk switches (5TT3303)

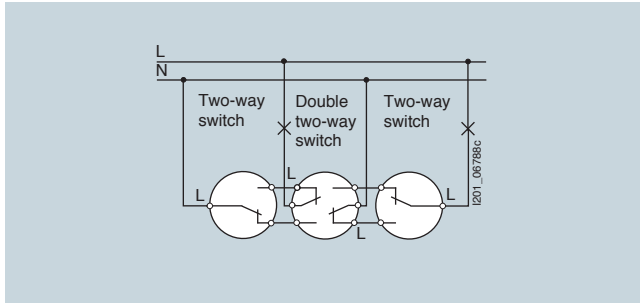
Dimensional drawings



Double two-way switches (5TA2118)

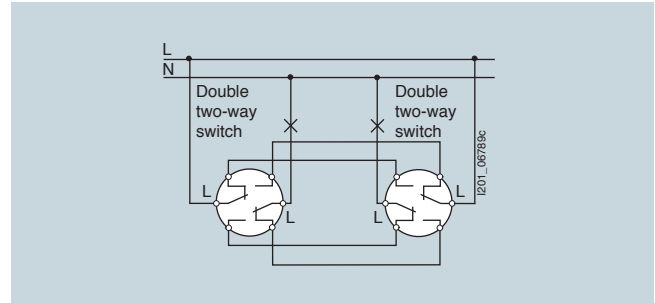
Schematics

Double two-way circuit



Order No. of inserts: 5TA2156 / 5TA2118 / 5TA2156

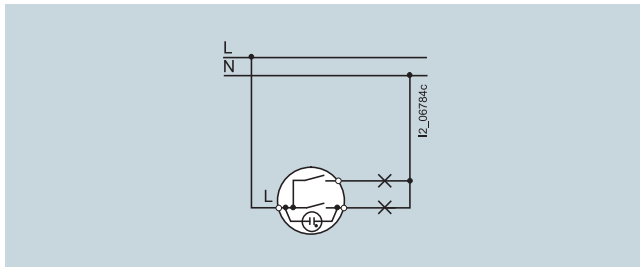
Double two-way circuit with two double two-way switches



Order No. of inserts: 5TA2118 / 5TA2118

Two-circuit switches (5TA2155)

Schematics

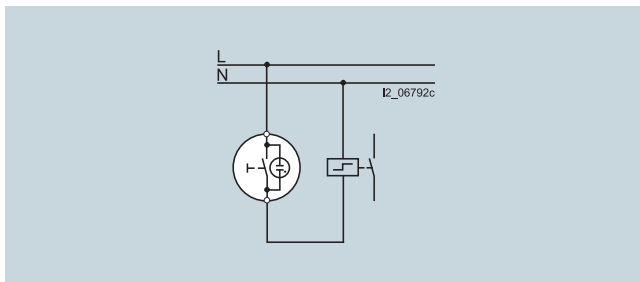


Order No. of insert: 5TA2155

Order No. of LED light inserts: [see section Switching/Pushbutton Control/Dimming / Accessories and spare parts](#) (page 11/18)

Pushbuttons, 1 NO contact (5TD2120)

Schematics



Order No. of insert: 5TD2120

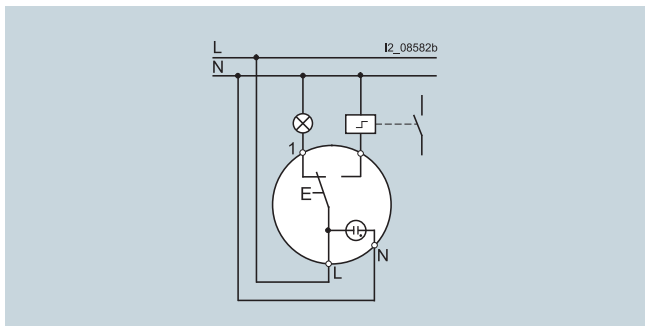
Order No. of LED light inserts: [see section Switching/Pushbutton Control/Dimming / Accessories and spare parts](#) (page 11/18)

Technical Information

Switches and Pushbuttons

Pushbuttons, 1 CO contact, with separate neutral terminal (5TD2117)

Schematics

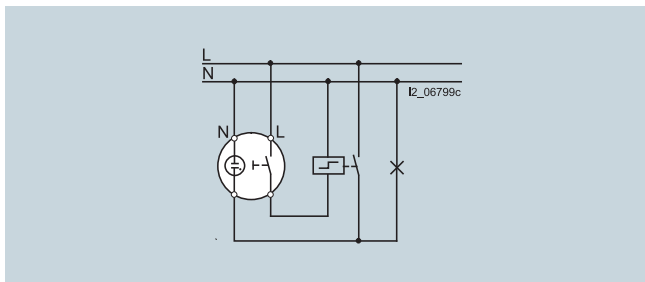


Order No. of insert: 5TD2117

Order No. of LED light inserts: [see section Switching/Pushbutton Control/Dimming / Accessories and spare parts](#) (page 11/18)

Pushbuttons, separate check-back indication (5TD2114)

Schematics

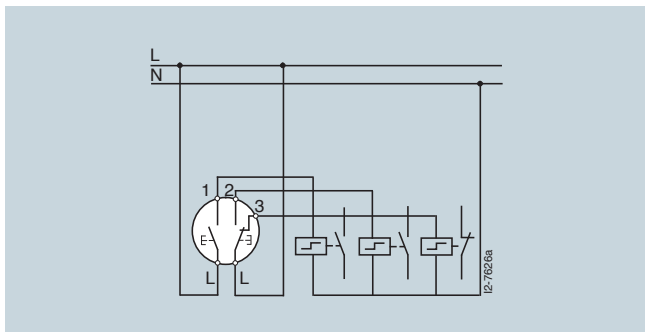


Order No. of insert: 5TD2114

Order No. of LED light inserts: [see section Switching/Pushbutton Control/Dimming / Accessories and spare parts](#) (page 11/18)

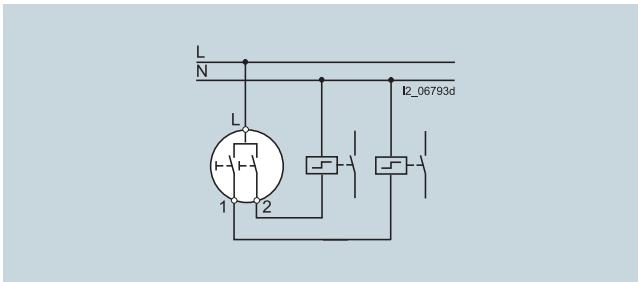
Pushbuttons, double, 1 NO contact, 1 CO contact (5TD2115)

Schematics



Order No. of insert: 5TD2115

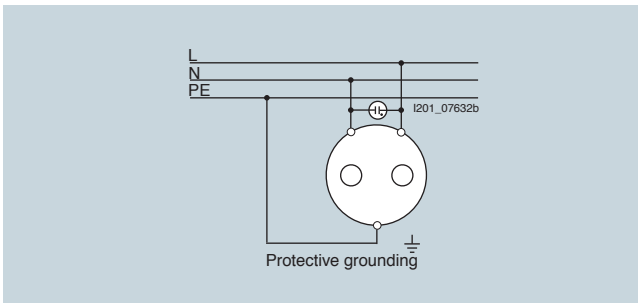
Schematics



Order No. of insert: 5TD2111

SCHUKO socket outlets with status display

Schematics



Technical Information

Socket Outlets

SCHUKO socket outlets with overvoltage protection

Overview

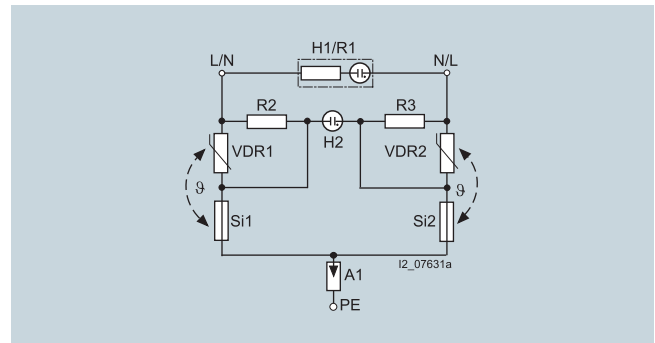
For the protection of electronic devices against overvoltages (in overvoltage category II according to DIN VDE 0110-1).

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)

Schematics



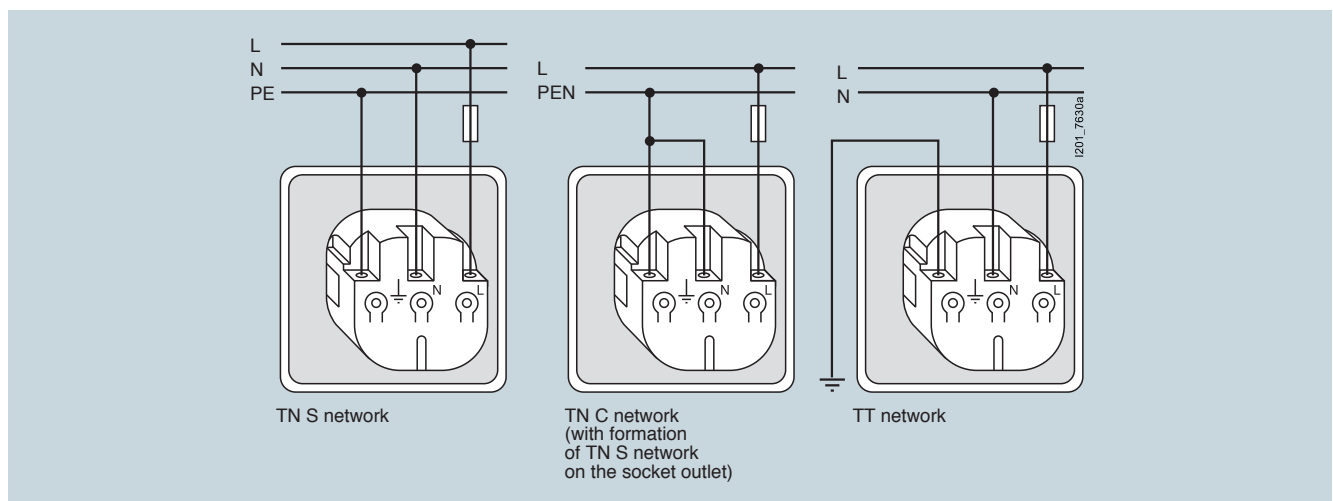
Technical specifications

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.

SCHUKO socket outlets with residual-current protection

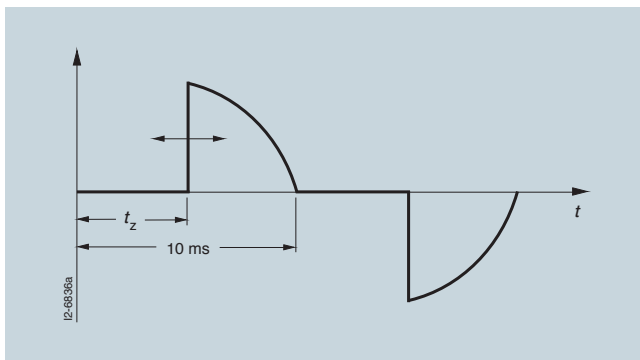
Schematics



Overview

Leading-edge phase principle

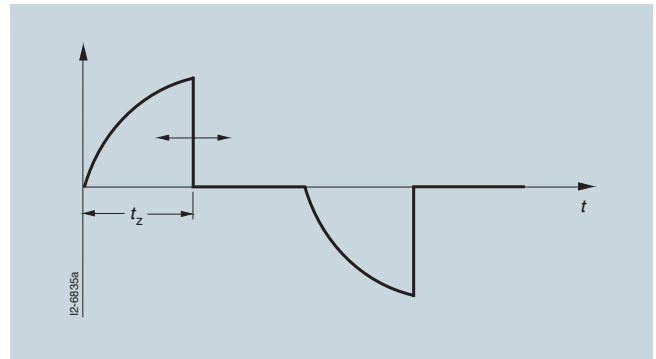
Conventional dimmers operate using the leading-edge phase principle. At the beginning of each sinusoidal half-wave, the dimmer blocks the current to the lamp, it is non-conducting. The TRIAC (the electronic switch in the dimmer) is only connected after startup of a user-definable delay time t_z , which 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 dampened by means of suitable filtering measures.



Trailing-edge phase principle

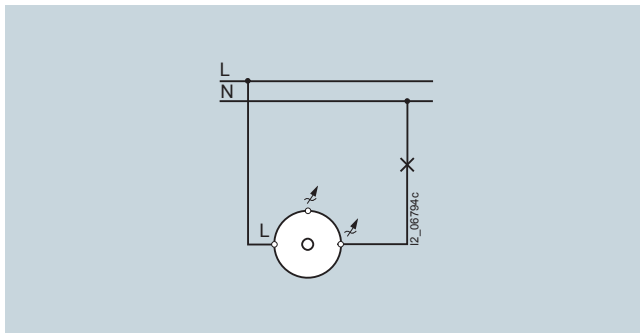
For this purpose, the load is switched on during the zero crossing of each sinusoidal half-wave and switched off again on expiration of the time t_z . This allows changes to the r.m.s. value of the lamp voltage, and thus the brightness. No interference voltages are produced when switching on because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

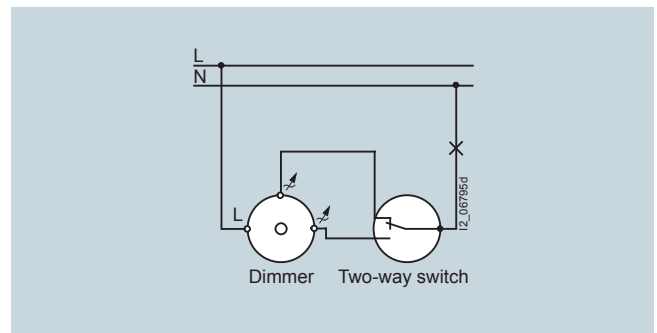


Schematics

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

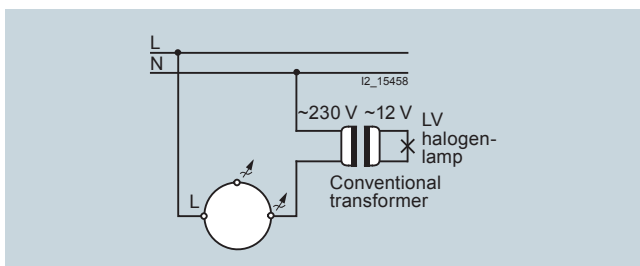


Application in ON/OFF circuit (ON/OFF switching and dimmer control from one point)



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

Rotary dimmer for LV halogen lamps with solenoid transformer, for two-way switching (5TC8283)



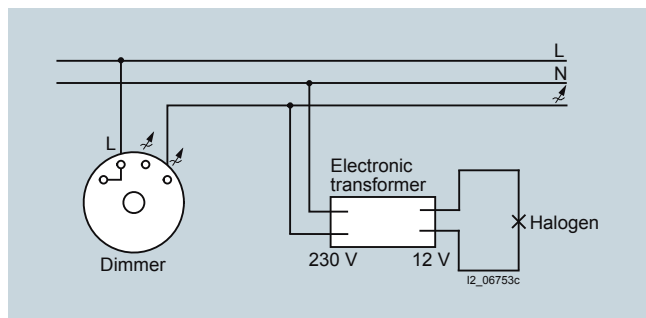
For the protection of transformers, we recommend a miniature fuse (corresponding to the transformer rating)

Technical Information

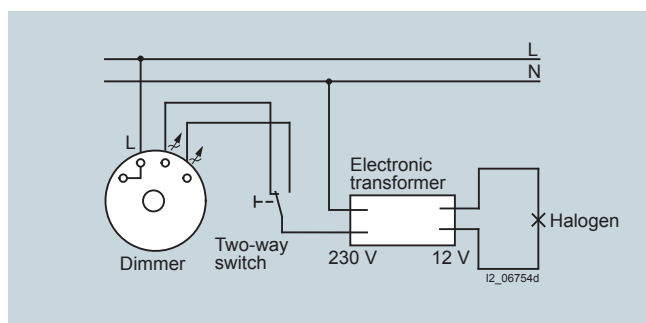
Dimmers

General

Rotary dimmers for ON/OFF and two-way switching, 20 to 525 W, 50 Hz, 230 V AC, low-voltage halogen lamp for electronic transformer, trailing-edge phase



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

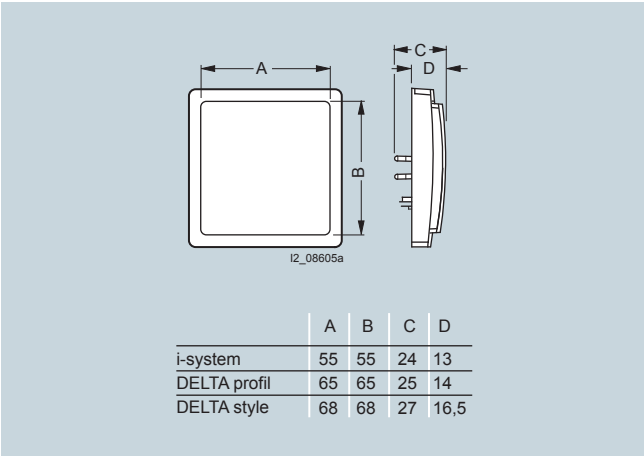


Only dimmers with pushbutton two-way switching can be used

Technical specifications

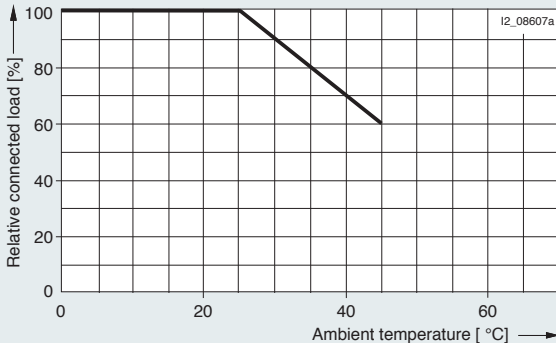
Power supply	Over 230 V user interface (230 V PEI) of the switch or sys dimmer inserts		
Terminals	10-pole pin connector (230 V PEI) for connection to the switch or sys dimmer insert		
Mechanical specifications • Enclosure • Dimensions (L x W x D) • Weight • Fire load • Mounting	Plastic		
	i-system	55 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)	
	Approx. 30 g		
	Approx. 950 kJ		
	Mounted on the switch or sys dimmer insert		
Electrical safety • Pollution degree (acc. to IEC 60664-1) • Degree of protection (acc. to EN 60529) • Overvoltage category (acc. to IEC 60664-1) • Standard	2		
	IP20		
	III		
	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 specifications • Resistance to climate • Ambient operating temperature • Storage temperature • Relative humidity (non-condensing)	EN 50090-2-2		
	-5 ... +45 °C		
	-25 ... +70 °C		
	5 ... 93 %		
CE marking	According to EMC Directive (residential buildings), Low Voltage Directive		

Dimensional drawings

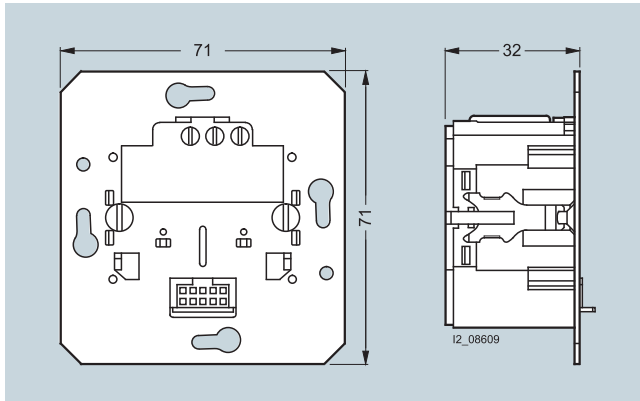


Universal dimmer sys inserts (5TC1230)

Technical specifications

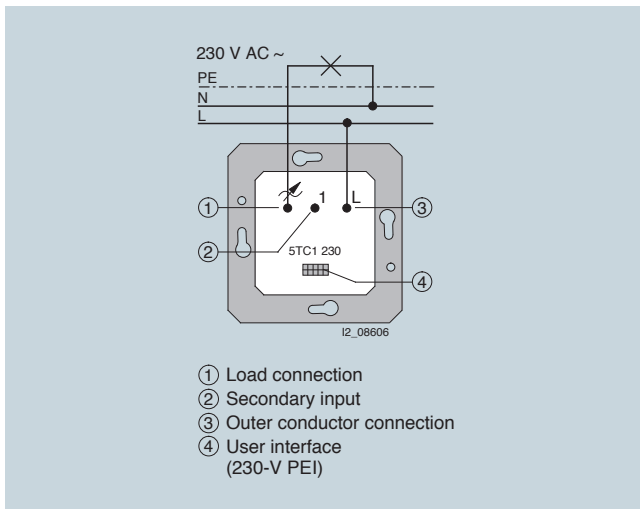
Power supply	Mains connection 230 V (2-wire method), rated voltage: 230 V AC, 50 Hz
Protection against short-circuits	In the event of a short-circuit, the universal dimmer switches off. As soon as the short-circuit is eliminated (voltage recovery), the universal dimmer automatically switches back on 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 • Rated voltage • Rated load (up to 25 °C ambient temperature) - Incandescent lamp rating - Conventional transformers - Electronic transformers - Mixed loads - Maximum connected load at ambient temperature	1 230 V AC, 50 Hz 50 ... 420 W 50 ... 420 VA 70 ... 420 VA Only permissible between incandescent lamp ratings and electronic transformers  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 sys universal dimmer insert switches to the same dimming value set prior to mains failure, whereby the DELTA sys universal dimmer insert automatically learns the load. A brief flickering indicates that the learning procedure is running
Terminals	The terminals for the DELTA universal dimmer sys insert comprise three screw 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 • Dimensions • Weight • Fire load • Mounting	Plastic Modular width: 71 mm x 71 mm mounting depth: 32 mm Approx. 70 g Approx. 1000 kJ Installation in device boxes 60 mm Ø, 40 mm deep according to DIN 49073-1
Electrical safety • Pollution degree (acc. to IEC 60664-1) • Degree of protection (acc. to EN 60529) • Overvoltage category (acc. to IEC 60664-1) • Standard	2 IP20 III 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 specifications • Resistance to climate • Ambient operating temperature • Storage temperature • Relative humidity (non-condensing)	EN 50090-2-2 -5 ... +45 °C -25 ... +70 °C 5 ... 93 %
Approvals	VDE certification

Dimensional drawings



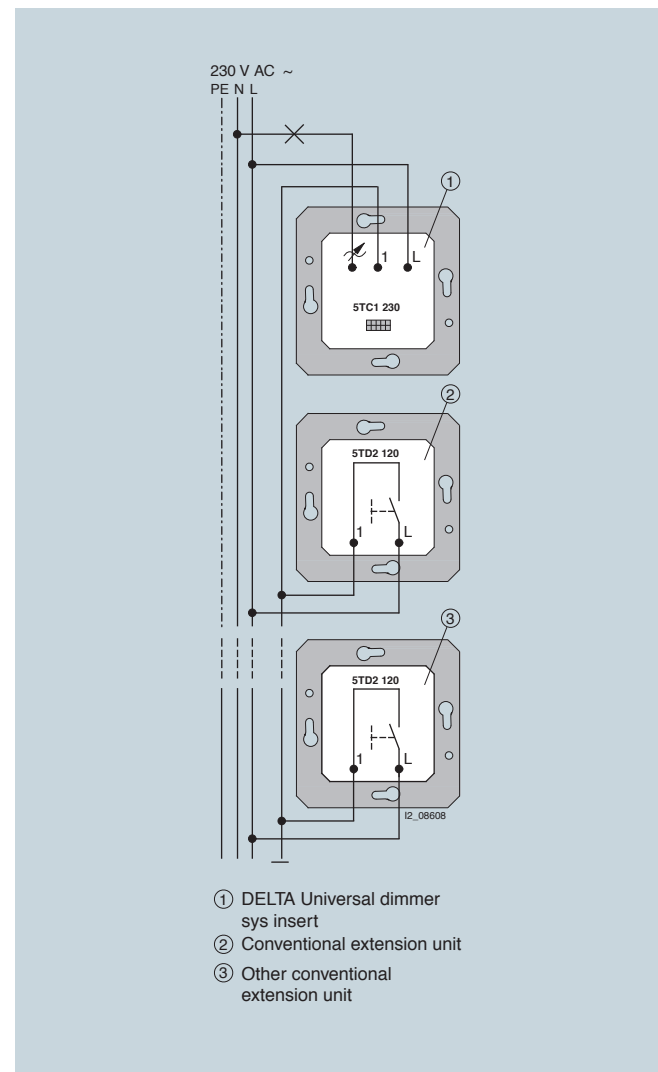
Schematics

Sample connection



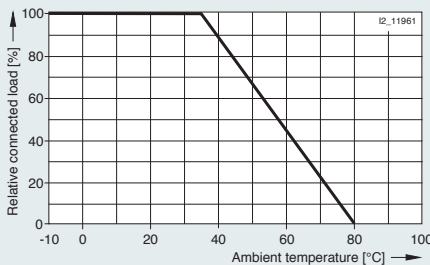
Application options

Example: Universal dimmer with conventional extension units

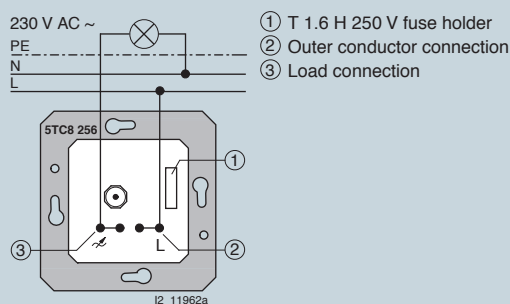


Incandescent lamp dimmers, 50 to 400 W (5TC8256)

Technical specifications

Power supply	Mains connection 230 V (2-wire method), rated voltage: 230 V AC, 50/60 Hz
Protection against short-circuits	With fuse ① (the fuse holder contains a spare fuse)
Load output • Number • Rated voltage • Rated load (up to 35 °C ambient temperature) - Incandescent lamps - HV halogen lamps - Note - Maximum connected load at ambient temperature	One with two terminals ③ 230 V AC, 50/60 Hz 50 ... 400 W 50 ... 400 W Only incandescent lamps and/or HV halogen lamps may be connected
	 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
Terminals	Four screw 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 • Dimensions • Weight • Fire load • Mounting	Plastic Modular width: 71 mm x 71 mm mounting depth: 32 mm Approx. 95 g Approx. 1000 kJ Installation in device boxes 60 mm Ø, 40 mm deep according to DIN 49073-1
Electrical safety • Pollution degree (acc. to IEC 60664-1) • Degree of protection (acc. to EN 60529) • Overvoltage category (acc. to IEC 60664-1) • Standard	2 IP20 III According to EN 60669-2-1
EMC requirements	According to EN 60669-2-1, EN 61000-6-3 and EN 61000-6-1
Environmental specifications • Ambient operating temperature • Storage temperature • Relative humidity (non-condensing)	-5 ... +45 °C -25 ... +70 °C 5 ... 93 %
Approvals	VDE certification and KEMA certification

Schematics

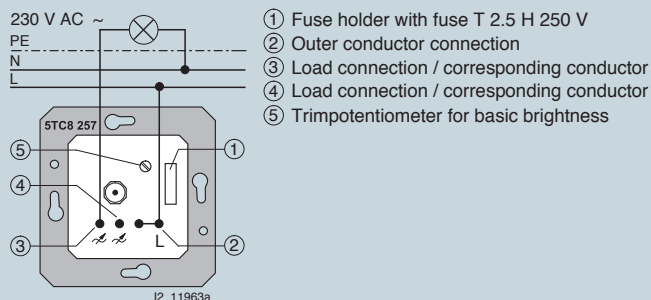


Incandescent lamp dimmers, 50 to 600 W, for two-way switching (5TC8257)

Technical specifications

Power supply	Mains connection 230 V ① (2-wire method), rated voltage: 230 V AC, 50/60 Hz																						
Protection against short-circuits	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 • Rated voltage • Rated load (up to 35 °C ambient temperature) - Incandescent lamps - HV halogen lamps - Note - Maximum connected load at ambient temperature	Two terminals for two-way switching (③ and ④) 230 V AC, 50/60 Hz 50 ... 600 W 50 ... 600 W Only incandescent lamps and/or HV halogen lamps may be connected <table border="1"> <caption>Graph Data: Relative connected load [%] vs Ambient temperature [°C]</caption> <thead> <tr> <th>Ambient temperature [°C]</th> <th>Relative connected load [%]</th> </tr> </thead> <tbody> <tr><td>-10</td><td>100</td></tr> <tr><td>0</td><td>100</td></tr> <tr><td>20</td><td>100</td></tr> <tr><td>35</td><td>100</td></tr> <tr><td>40</td><td>90</td></tr> <tr><td>50</td><td>75</td></tr> <tr><td>60</td><td>60</td></tr> <tr><td>70</td><td>45</td></tr> <tr><td>80</td><td>30</td></tr> <tr><td>100</td><td>0</td></tr> </tbody> </table> 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	Ambient temperature [°C]	Relative connected load [%]	-10	100	0	100	20	100	35	100	40	90	50	75	60	60	70	45	80	30	100	0
Ambient temperature [°C]	Relative connected load [%]																						
-10	100																						
0	100																						
20	100																						
35	100																						
40	90																						
50	75																						
60	60																						
70	45																						
80	30																						
100	0																						
Terminals	Four screw 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 • Dimensions • Weight • Fire load • Mounting	Plastic Modular width: 71 mm x 71 mm mounting depth: 32 mm Approx. 95 g Approx. 1000 kJ Installation in device boxes 60 mm Ø, 40 mm deep according to DIN 49073-1																						
Electrical safety • Pollution degree (acc. to IEC 60664-1) • Degree of protection (acc. to EN 60529) • Overvoltage category (acc. to IEC 60664-1) • Standard	2 IP20 III According to EN 60669-2-1																						
EMC requirements	According to EN 60669-2-1, EN 61000-6-3 and EN 61000-6-1																						
Environmental specifications • Ambient operating temperature • Storage temperature • Relative humidity (non-condensing)	-5 ... +45 °C -25 ... +70 °C 5 ... 93 %																						
Approvals	VDE certification and KEMA certification																						

Schematics

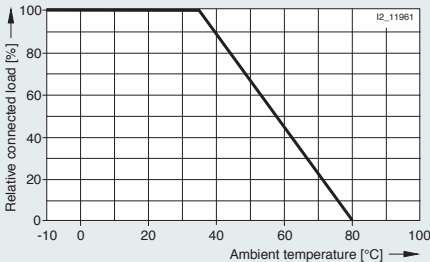


Technical Information

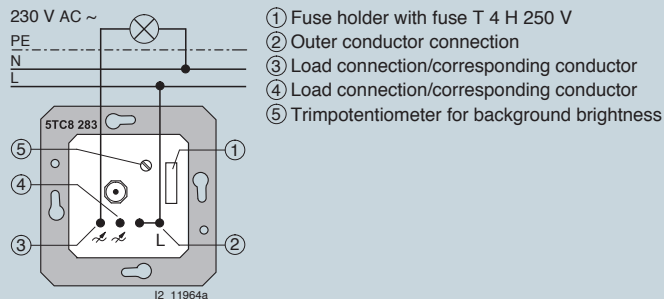
Dimmers

LV dimmers, for magnetic transformers, 50 to 600 W, 25 to 500 VA, for two-way switching (5TC8283)

Technical specifications

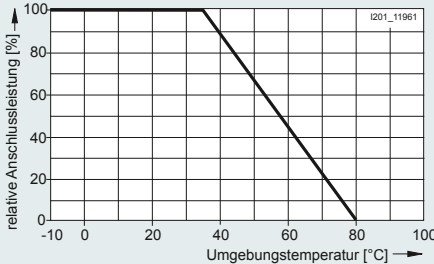
Power supply	Mains connection 230 V ① (2-wire method), rated voltage: 230 V AC, 50/60 Hz
Protection against short-circuits	Fuse A1 (the fuse holder contains a spare fuse)
Protection against overloads	With additional temperature cutout, which permanently shuts down the dimmer in the event of an overload
Load output • Number • Rated voltage • Rated load (up to 35 °C ambient temperature) - Incandescent lamps - HV halogen lamps - Low-voltage halogen lamps, magnetic transformer - Note	Two terminals for two-way switching (③ and ④) 230 V AC, 50/60 Hz 50 ... 600 W 50 ... 600 W 25 ... 500 VA Does not support connection of: • Energy-saving lamps • Electronic transformers • Power boosters
- 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
Terminals	4 screw 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 • Dimensions • Weight • Fire load • Mounting	Plastic Modular width: 71 mm x 71 mm, mounting depth: 32 mm Approx. 105 g Approx. 1000 kJ Installation in device boxes 60 mm Ø, 40 mm deep according to DIN 49073-1
Electrical safety • Pollution degree (acc. to IEC 60664-1) • Degree of protection (acc. to EN 60529) • Overvoltage category (acc. to IEC 60664-1) • Standard	2 IP20 III According to EN 60669-2-1
EMC requirements	According to EN 60669-2-1, EN 61000-6-3 and EN 61000-6-1
Environmental specifications • Ambient operating temperature • Storage temperature • Relative humidity (non-condensing)	-5 ... +45 °C -25 ... +70 °C 5 ... 93 %
Approvals	VDE certification and KEMA certification

Schematics

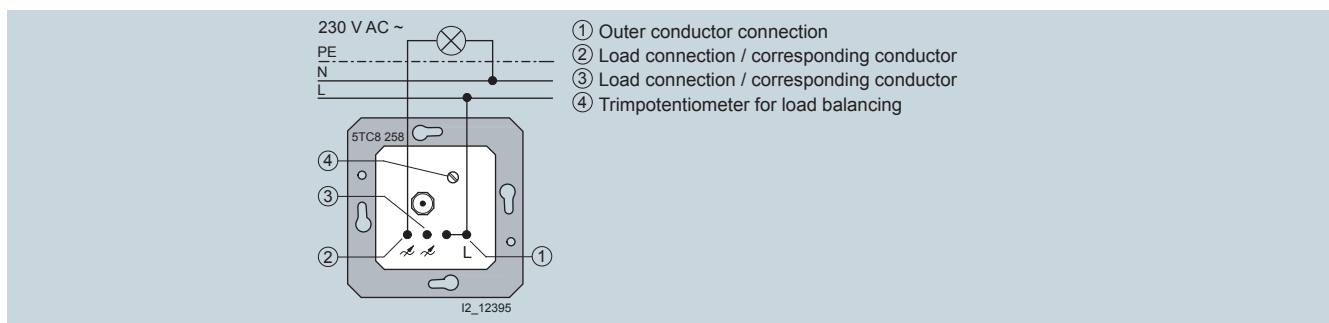


LV dimmers, for electronic transformers, 20 to 315 W (5TC8262)

Technical specifications

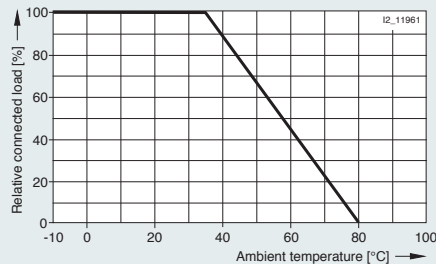
Power supply	Mains connection 230 V (2-wire method), rated voltage: 230 V AC, 50 Hz
Protection against short-circuits	Reversible operating electronic fuse
Protection against overloads	With additional temperature cutout, which shuts down the dimmer in the event of an overload and only resupplies it automatically with power when the overload cooled down
Load output • Number • Rated voltage • Rated load (up to 35 °C ambient temperature) - Incandescent lamps - HV halogen lamps - LV halogen lamps with electronic transformer - Note - Maximum connected load at ambient temperature	Two terminals for two-way switching (② and ③) 230 V AC, 50 Hz 20 ... 315 W 20 ... 315 W 20 ... 315 W Does not support connection of: • Energy-saving lamps • Magnetic transformers
	 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
Terminals	4 screw 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 • Dimensions • Weight • Fire load • Mounting	Plastic Modular width: 71 mm x 71 mm, mounting depth: 32 mm Approx. 95 g Approx. 1000 kJ Installation in device boxes 60 mm Ø, 40 mm deep according to DIN 49073-1
Electrical safety • Pollution degree (acc. to IEC 60664-1) • Degree of protection (acc. to EN 60529) • Overvoltage category (acc. to IEC 60664-1) • Standard	2 IP20 III According to EN 60669-2-1
EMC requirements	According to EN 60669-2-1, EN 61000-6-3 and EN 61000-6-1
Environmental specifications • Ambient operating temperature • Storage temperature • Relative humidity (non-condensing)	-5 ... +45 °C -25 ... +70 °C 5 ... 93 %
Approvals	VDE certification

Schematics



Low voltage rotary-dimmer for LED LAMPS 60 W and RL 6-120 W (5TC8263)

Technical specifications

Power supply	Mains connection 230 V (2-wire method), rated voltage: 230 V AC, 50 Hz
Protection against short-circuits	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 - Rated voltage - Rated load (up to 35 °C ambient temperature) - Incandescent lamps - High-volt halogen lamps - Low voltage halogen lamps magn. - Dimmable LED Lamps - Maximum connected load at ambient temperature	Two terminals for two-way switching (② and ③) 230 V AC, 50 Hz 6 ... 120 W 6 ... 120 W 25 ... 100 VA 60 W Does not support connection of: • Energy-saving lamps • Magnetic transformers
	 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
Terminals	4 screw 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 • Dimensions • Weight • Fire load • Mounting	Plastic Modular width: 71 mm x 71 mm, mounting depth: 32 mm Approx. 95 g Approx. 1000 kJ Installation in device boxes 60 mm Ø, 40 mm deep according to DIN 49073-1
Electrical safety • Pollution degree (acc. to IEC 60664-1) • Degree of protection (acc. to EN 60529) • Overvoltage category (acc. to IEC 60664-1) • Standard	2 IP20 III According to EN 60669-2-1
EMC requirements	According to EN 60669-2-1, EN 61000-6-3 and EN 61000-6-1
Environmental specifications • Ambient operating temperature • Storage temperature • Relative humidity (non-condensing)	-5 ... +45 °C -25 ... +70 °C 5 ... 93 %

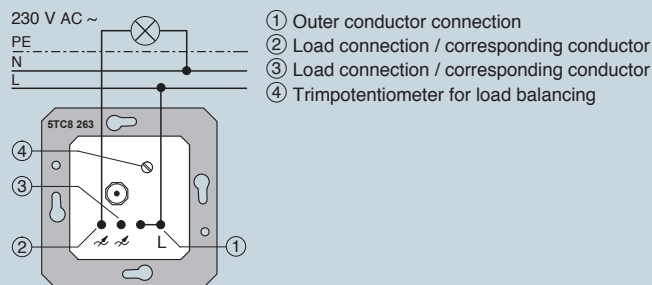
Note: Connect the dimmer only to LED lamps marked as dimmable!

Many LED bulbs are not dimmable!

This also applies to the ballasts of LED lamps.

Note: A list of suitable LED loads for the dimmer is updated regularly and is available on the Internet at: <https://support.industry.siemens.com/cs/products/5tc8263/>

Schematics

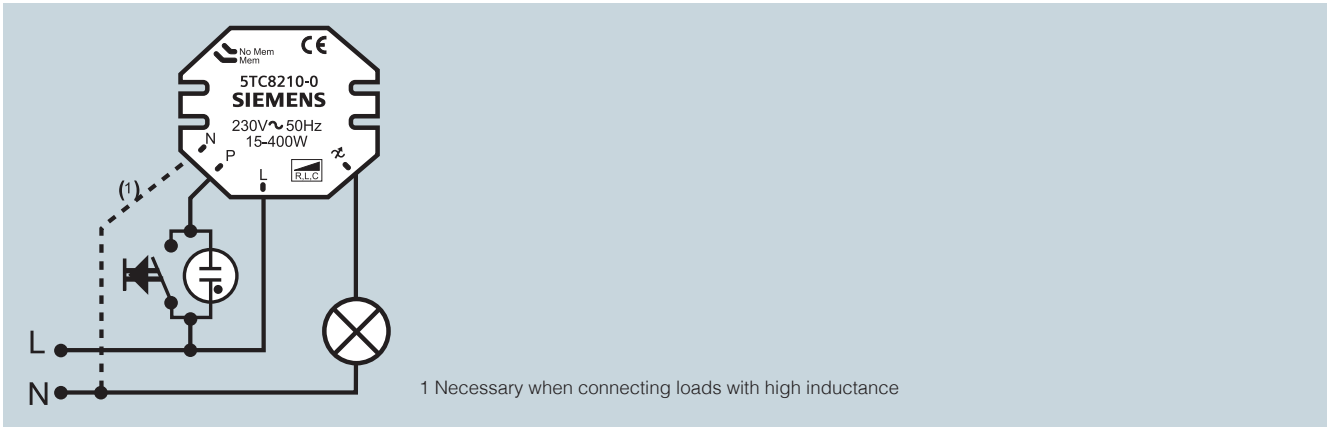


Technical specifications

Power supply	AC 230 V, 50 Hz
Consumption	3 VA
Valid for Incandescence & Halogens: • Incandescent & 230V Halogen lamps • Halogen lamps with Inductive Transformer • Halogen lamps with Electronic Transformer	15 ... 400 W 20 ... 250 W 15 ... 400 W
Max. Number of connectable pushbuttons	unlimited (max 3 pushbuttons with led signal light)
Mechanical specifications • Dimensions • Weight	45 x 45 x 12 mm ca. 40 g
Electrical safety • Environmental protection according to DIN EN 20324 • Standard	IP20 According to DIN EN 60669-2-1
Environmental specifications • Ambient operating temperature • Storage temperature	0 ... +40 °C -30 ... +70 °C

¹⁾ Necessary when connecting loads with high inductance

Schematics



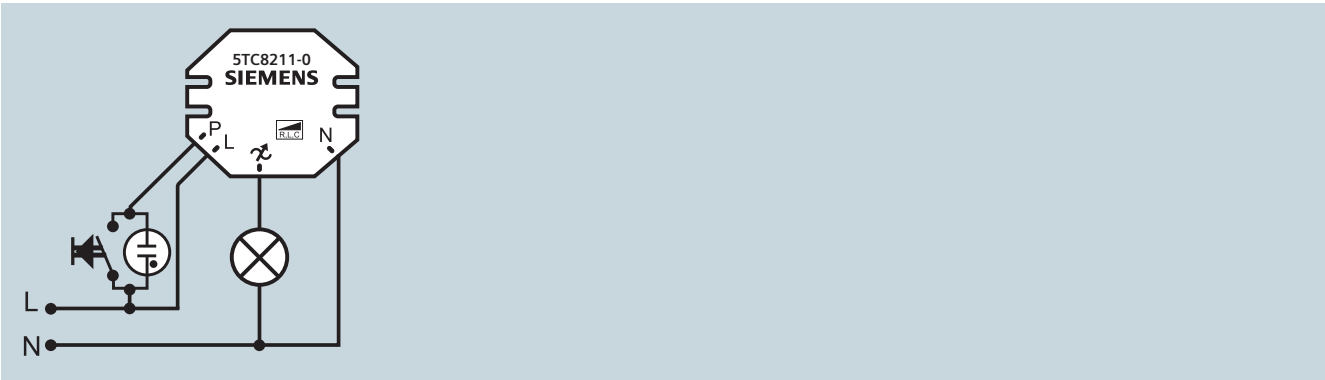
LED Dimmer (5TC8211-0)

Technical specifications

Power supply	AC 230 V, 50/60 Hz
Consumption	2 VA
Valid for... Dimmable LED lamps: • 230V~ LED lamp • 2V~ LED lamp (with electronic transformer) ¹⁾	4 ... 100 W 1 lamp per transfo., max. 6 transfor. 50 W
Max. Number of connectable pushbuttons	unlimited (max 3 pushbuttons with led signal light)
Mechanical specifications • Dimensions • Weight	45 x 45 x 12 mm ca. 23 g
Electrical safety • Environmental protection according to DIN EN 20324 • Standard	IP20 According to DIN EN 60669-2-1
Environmental specifications • Ambient operating temperature • Storage temperature	0 ... +40 °C -30 ... +70 °C

¹⁾ For all transformers and lamps used, the specifications of the respective manufacturer must be observed and taken into account

Schematics

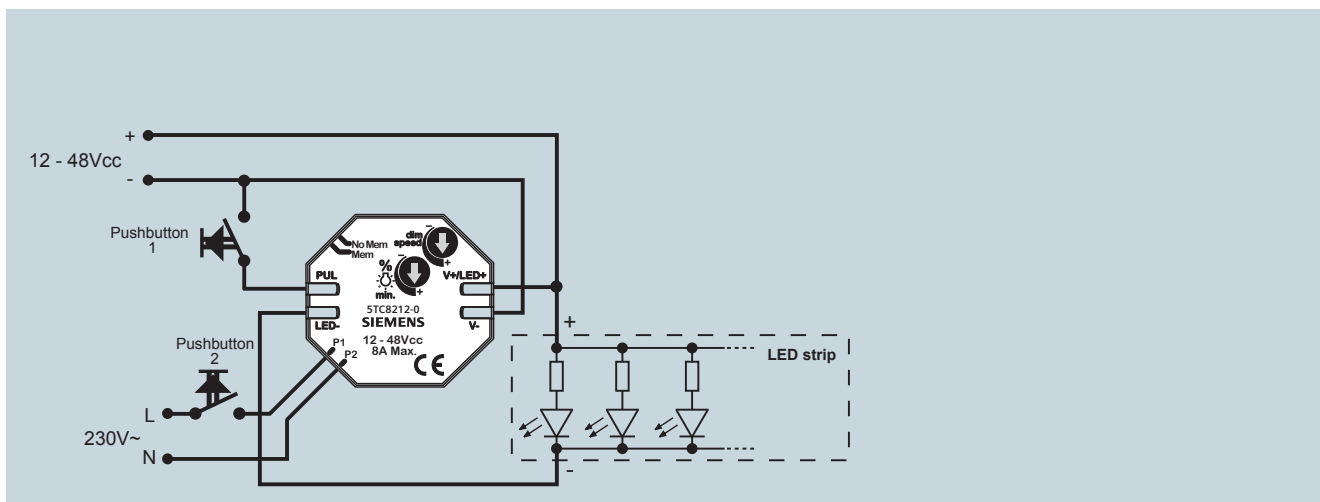


Technical specifications

Power supply	DC 12 ... 48 V ¹⁾
Consumption	<12 mA, Maximum load 8 A
Minimum brightness level	1 ... 60 %
Dimming speed	3 ... 10 Seconds
Control	Pushbutton referred to ground or pushbutton isolated referred to 230V~
Mechanical specifications • Dimensions • Weight	45 x 45 x 12 mm ca. 23 g
Electrical safety • Environmental protection according to DIN EN 20324 • Standard	IP20 According to DIN EN 60669-2-1
Environmental specifications • Ambient operating temperature • Storage temperature	0 ... +40 °C -30 ... +70 °C

¹⁾ The power supply associated with this dimmer should comply with the Low Voltage Directive 2006/95/EC and EMC Directive 2004/108/EC

Schematics



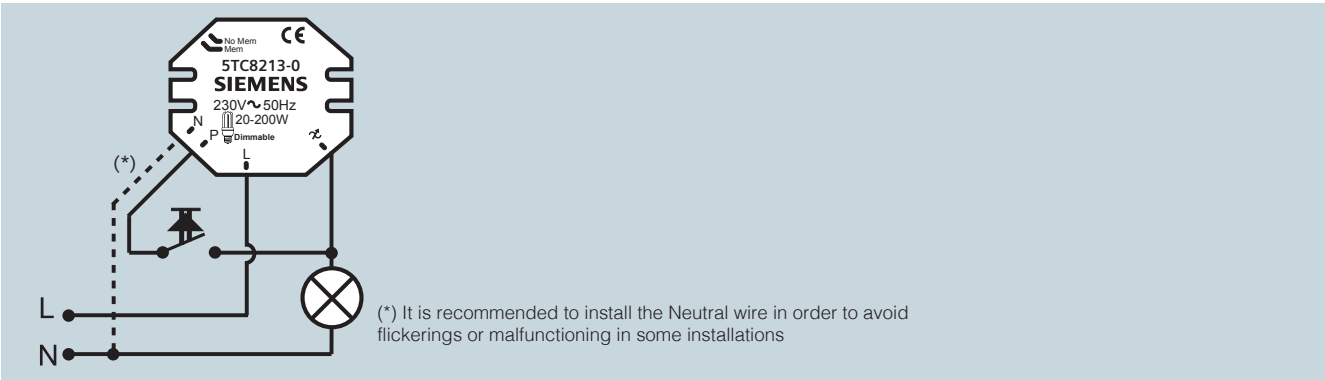
Technical Information
Dimmers

Dimmer for dimmable compact fluorescent lamps (5TC8213-0)

Technical specifications

Power supply	AC 230 V, 50 Hz
Consumption	3 VA
Valid for Dimmable Compact Fluorescent lamps	Load: 20 ... 200 W
Mechanical specifications • Dimensions • Weight	45 x 45 x 12 mm ca. 40 g
Electrical safety • Environmental protection according to DIN EN 60529 • Standard	IP20 According to DIN EN 60669-2-1
Environmental specifications • Ambient operating temperature • Storage temperature	0 ... +40 °C -30 ... +70 °C

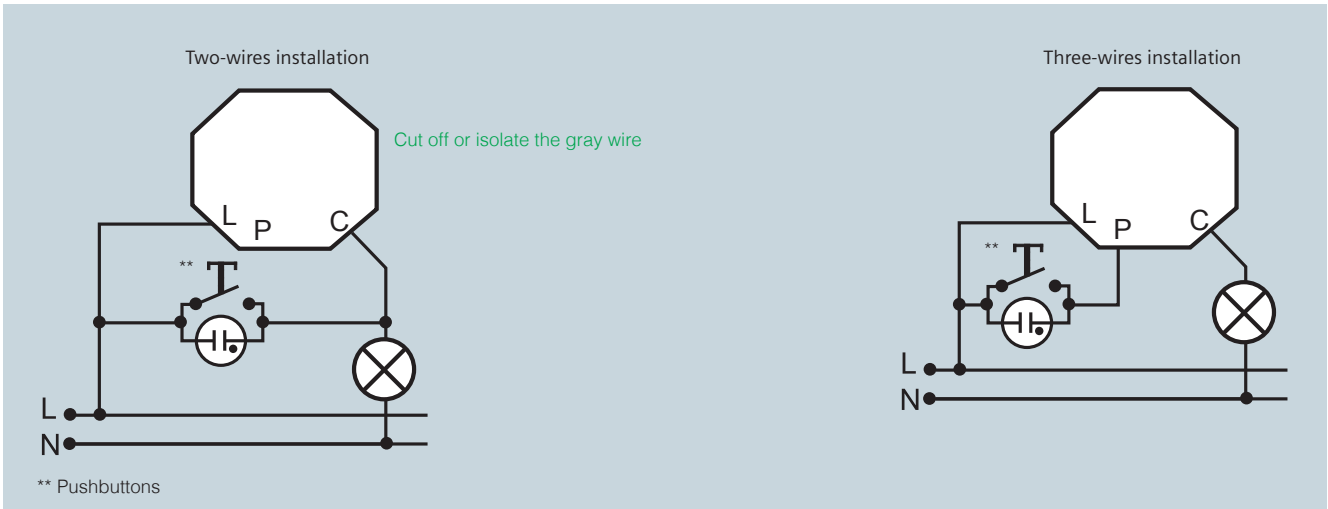
Schematics



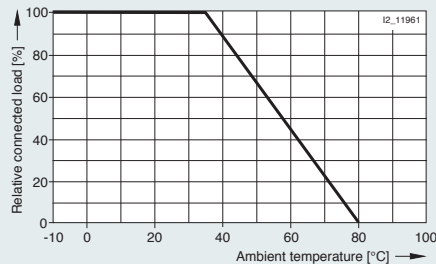
Technical specifications

Power supply	AC 230 V, 50 Hz
Consumption	5 VA
Valid for... Incandescence & Halogen lamps • Incandescent & 230V Halogen lamps • Halogen lamps with Inductive Transformer • Halogen lamps with Electronic Transformer • Motors	Load: 20 ... 200 W 40 ... 400 W 50 ... 320 W 40 ... 400 W 36 ... 100 W
Settings	Selector switch
Max. Number of connectable pushbuttons	unlimited (max 3 pushbuttons with led signal light)
Mechanical specifications • Dimensions • Weight	45 x 45 x 12 mm ca. 22 g
Electrical safety • Environmental protection according to DIN EN 20324 • Standard	IP20 According to DIN EN 60669-2-1 and DIN EN 60669-2-3
Environmental specifications • Ambient operating temperature • Storage temperature	0 ... +40 °C -30 ... +70 °C

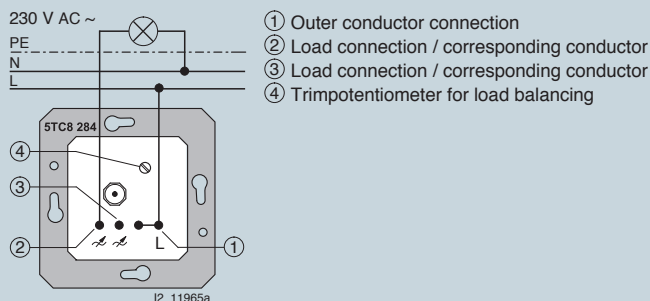
Schematics



Technical specifications

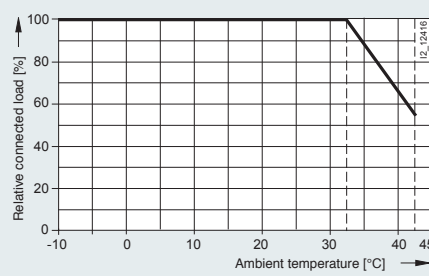
Power supply	Mains connection 230 V (2-wire method), rated voltage: 230 V AC, 50 Hz
Protection against short-circuits	Reversible operating electronic fuse
Protection against overloads	With additional temperature cutout, which shuts down the dimmer in the event of an overload and only resupplies it automatically with power when the overload is eliminated after the device has sufficiently cooled down
Load output - Number - Rated voltage - Rated load (up to 35 °C ambient temperature) - Incandescent lamps - HV halogen lamps - LV halogen lamps with electronic transformer - Note - Maximum connected load at ambient temperature	Two terminals for two-way switching (② and ③) 230 V AC, 50 Hz 20 ... 600 W 20 ... 600 W 20 ... 525 W Does not support connection of: • Energy-saving lamps • Magnetic transformers
	 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
Terminals	4 screw 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 • Dimensions • Weight • Fire load • Mounting	Plastic Modular width: 71 mm x 71 mm, mounting depth: 32 mm Approx. 95 g Approx. 1000 kJ Installation in device boxes 60 mm Ø, 40 mm deep according to DIN 49073-1
Electrical safety • Pollution degree (acc. to IEC 60664-1) • Degree of protection (acc. to EN 60529) • Overvoltage category (acc. to IEC 60664-1) • Standard	2 IP20 III According to EN 60669-2-1
EMC requirements	According to EN 60669-2-1, EN 61000-6-3 and EN 61000-6-1
Environmental specifications • Ambient operating temperature • Storage temperature • Relative humidity (non-condensing)	-5 ... +45 °C -25 ... +70 °C 5 ... 93 %
Approvals	VDE certification

Schematics

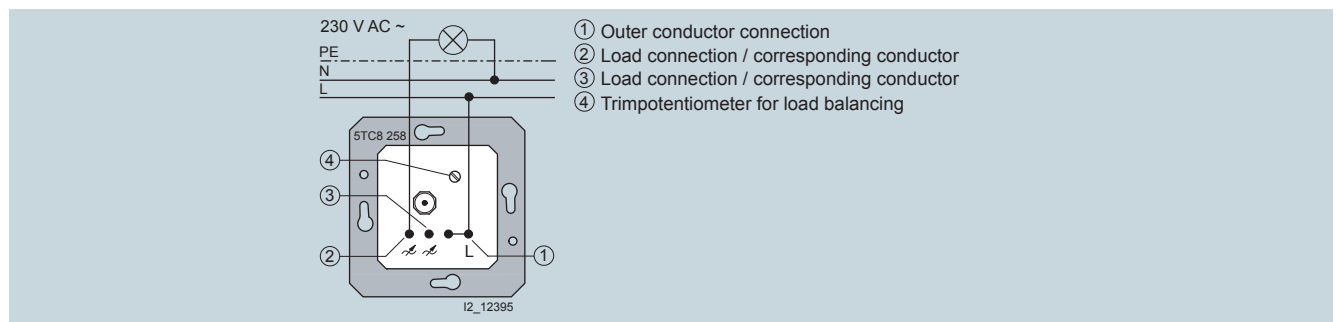


LV dimmers, for electronic transformers, 60 to 800 W, 60 to 800 VA, for two-way switching (5TC8258)

Technical specifications

Power supply	Mains connection 230 V (2-wire method), rated voltage: 230 V AC, 50 Hz
Protection against short-circuits	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 • Rated voltage • Rated load (up to 35 °C ambient temperature) - Incandescent lamps - HV halogen lamps - LV halogen lamps with electronic transformer - Note - Maximum connected load at ambient temperature	Two terminals for two-way switching (② and ③) 230 V AC, 50 Hz 60 ... 800 W 60 ... 800 W 60 ... 800 VA Does not support connection of: • Energy-saving lamps • Magnetic transformers
	 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
Terminals	4 screw 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 • Dimensions • Weight • Fire load • Mounting	Plastic Modular width: 71 mm x 71 mm, mounting depth: 32 mm Approx. 120 g Approx. 1000 kJ Installation in device boxes 60 mm Ø, 40 mm deep according to DIN 49073-1
Electrical safety • Pollution degree (acc. to IEC 60664-1) • Degree of protection (acc. to EN 60529) • Overvoltage category (acc. to IEC 60664-1) • Standard	2 IP20 III According to EN 60669-2-1
EMC requirements	According to EN 60669-2-1, EN 61000-6-3 and EN 61000-6-1
Environmental specifications • Ambient operating temperature • Storage temperature • Relative humidity (non-condensing)	-5 ... +45 °C -25 ... +70 °C 5 ... 93 %
Approvals	VDE certification

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 achievement: 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).

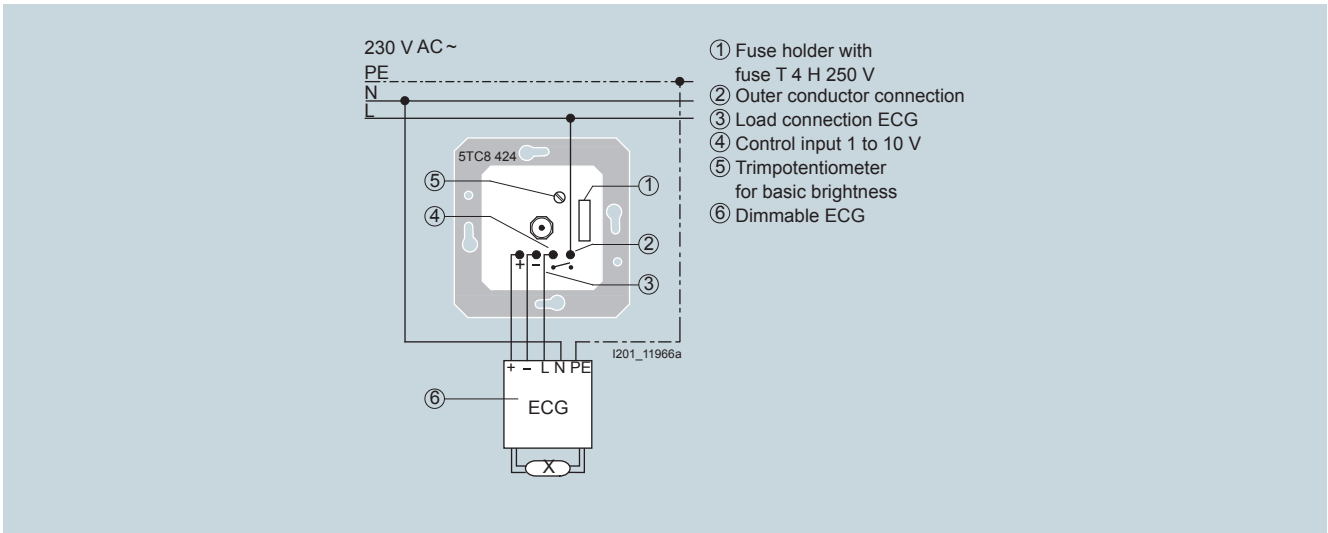
The ECG dynamic heats the lamp coil in accordance with the dimmer setting using no more intensity than necessary for reliable lamp operation; dimmer control is wattless and does not require a base load.

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.

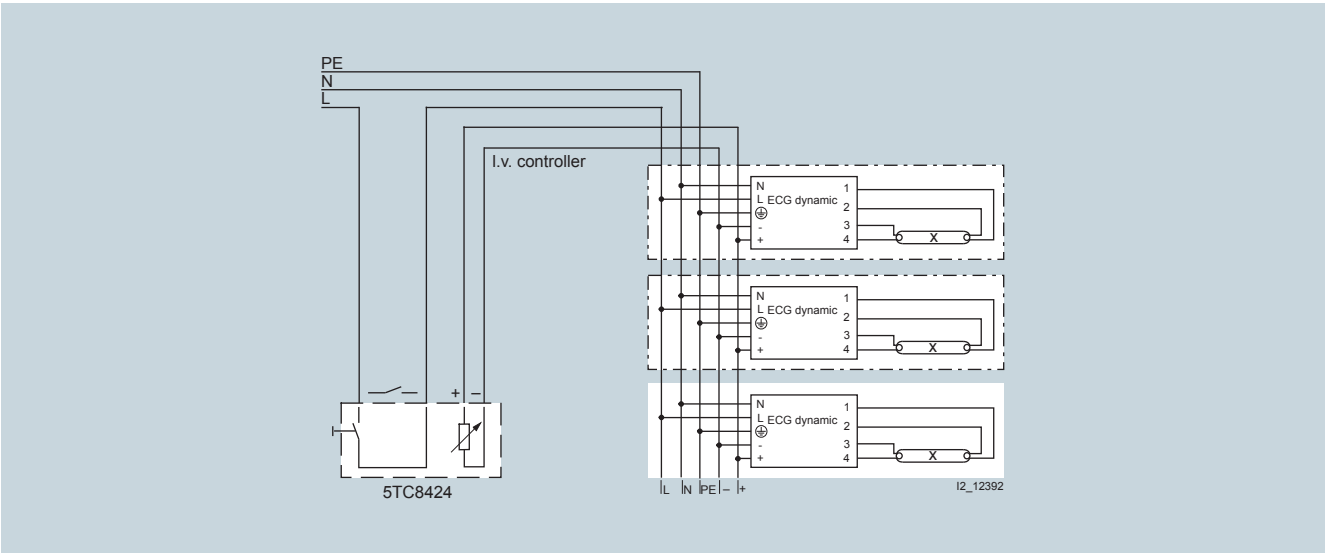
Technical specifications

Power supply	
• Control voltage	1 ... 10 V
• Maximum control current	50 mA
• Load connection	4 A
Protection against short-circuits	With miniature fuse ① (the fuse holder contains a spare fuse)
Switching capacity	
• Number of ECGs load output	
- OSRAM Quicktronic, dimmable, 1 x 58 W LL	Max. 6
- OSRAM Quicktronic, dimmable, 1 x 36 W LL	Max. 9
- OSRAM Quicktronic, dimmable, 2 x 58 W LL	Max. 3
- OSRAM Quicktronic, 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 than six ECGs are to be switched, a power relay must be used • Always ensure that ECGs and fluorescent lamps are from the same manufacturer
Terminals	4 screw terminals with anti-slip terminal body, the following conductor/cross-sections are permissible: • 0,5 ... 4,0 mm ² solid • 0,5 ... 2,5 mm ² 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 device boxes 60 mm Ø, 40 mm deep according to DIN 49073-1
Electrical safety	
• Pollution degree (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 specifications	
• Ambient operating temperature	-5 ... +45 °C
• Storage temperature	-25 ... +70 °C
• Relative humidity (non-condensing)	5 ... 93 %
Approvals	VDE certification and KEMA certification

Schematics



Electronic potentiometers, switch (5TC8424)



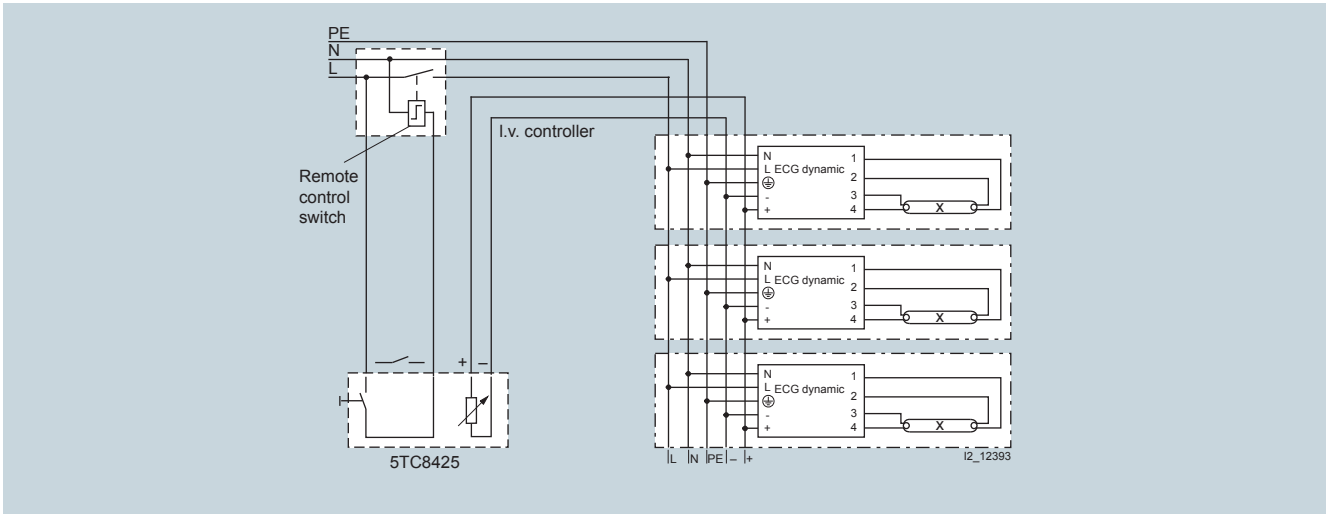
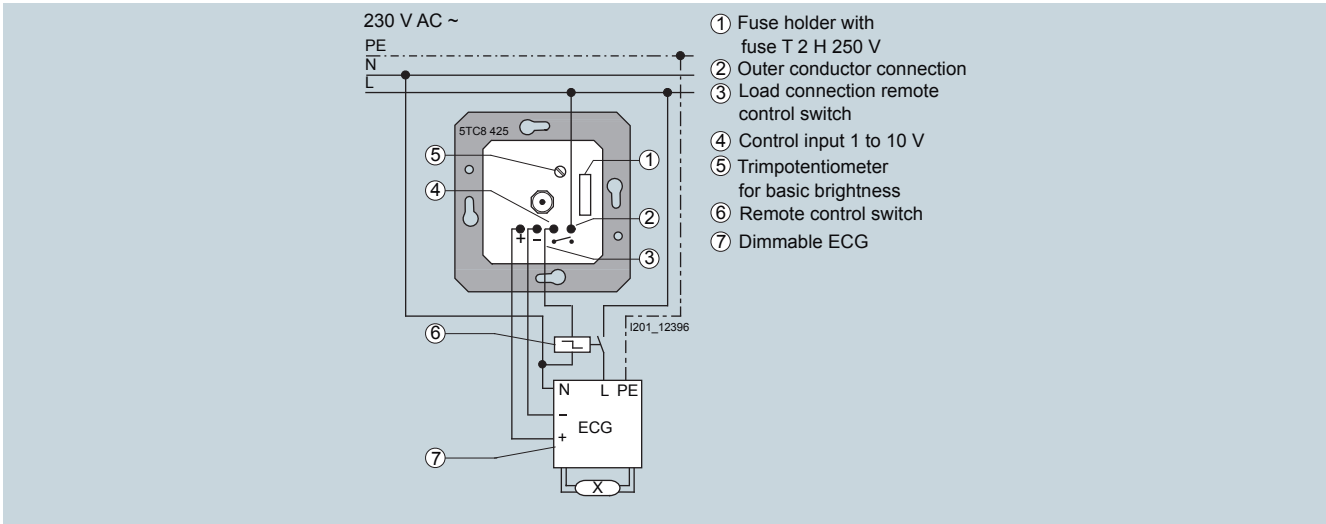
Electronic potentiometers for dimmer control

Electronic potentiometers, pushbutton (5TC8425)

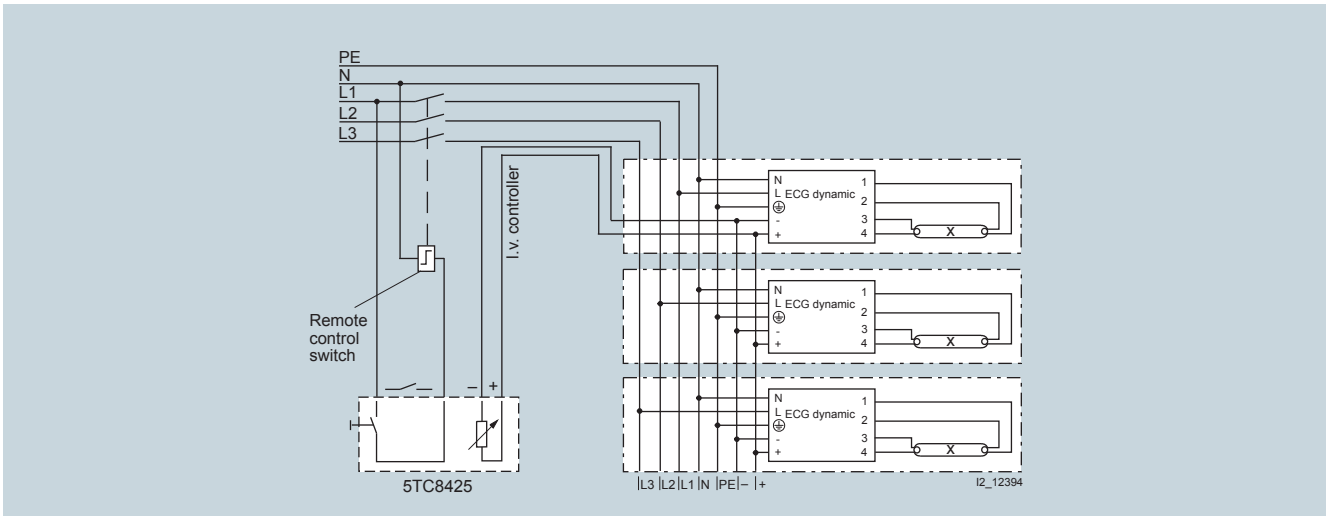
Technical specifications

Power supply	1 ... 10 V
• Control voltage	50 mA
• Maximum control current	2 A
• Load connection	
Protection against short-circuits	With miniature fuse ① (the fuse holder contains a spare fuse)
Switching capacity	Depending on the remote control switch or installation contactor selected
• Number of ECGs load output	
• Number of ECGs control output	Max. 50
- Osram DIMM-ECG	
Terminals	4 screw 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 device boxes 60 mm Ø, 40 mm deep according to DIN 49073-1
Electrical safety	
• Pollution degree (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 specifications	
• Ambient operating temperature	-5 ... +45 °C
• Storage temperature	-25 ... +70 °C
• Relative humidity (non-condensing)	5 ... 93 %
Approvals	VDE certification and KEMA certification

Schematics



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



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

Technical Information

Motion Detectors

DELTA reflex motion detectors, IP55

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 switching threshold 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.



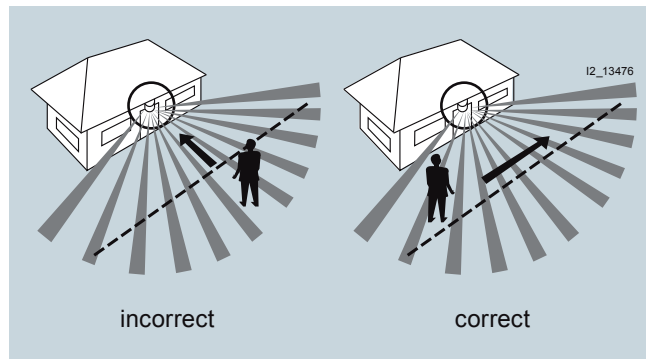
Mounting of motion detector on the wall



Mounting of motion detector on the ceiling

If using the optionally available special base (5TC7900 or 5TC7901), it can also be mounted on a 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 mounting height is 2.50 m.

When mounting a light in the sensing 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 should be taken into consideration when selecting the mounting location (e.g. flows of warm air, moving bushes or branches). 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.

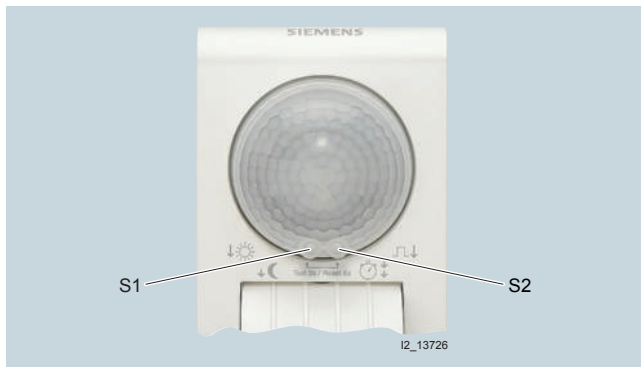
Initialization phase

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 sensing 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 switching threshold: 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).

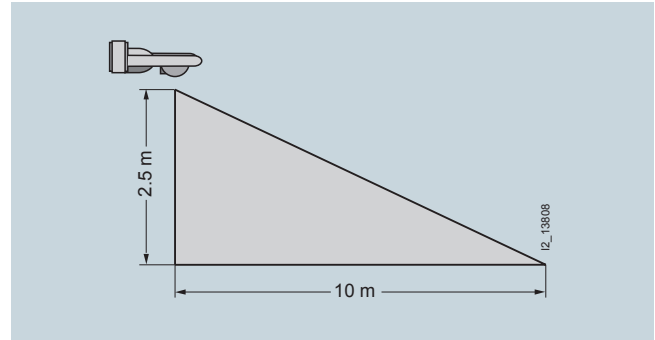


Sensing range

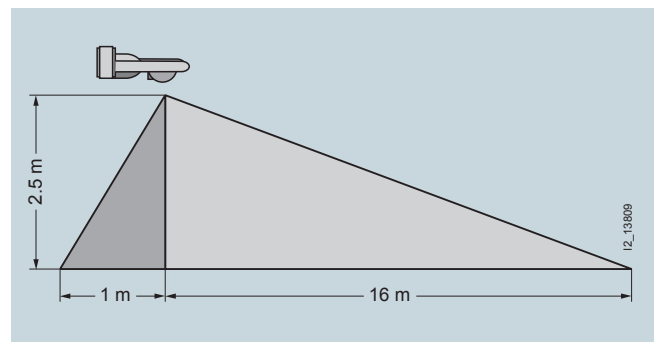
The sensing range can be changed by turning the lens +/- 30° to the left or right.

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

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



Range of motion detector, IP55, 120°



Range/rear view monitoring of motion detector, IP55, 290°

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 switching threshold: 7 lux/duty ratio: 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 switching threshold 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 and if the brightness falls below the current brightness switching threshold. If you require a brightness switching threshold 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.

DELTA reflex motion detectors, IP55

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 switching threshold. 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 push-buttons (requirement: device is in delay time mode - not in pulse mode)

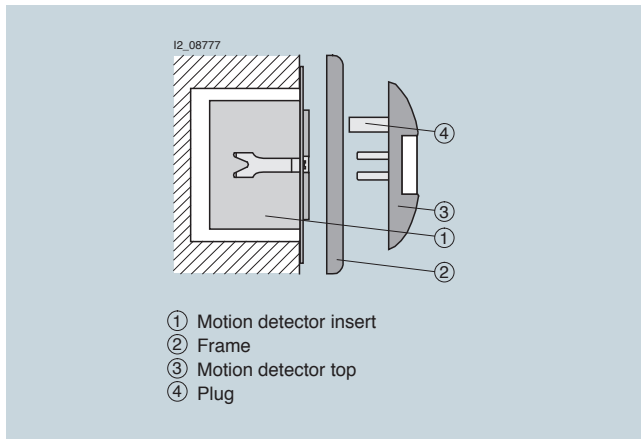
A general distinction is made between a long (> 2 s) and a short (0.2 to 2 s) system interruption.

Technical specifications

Power supply	
• Rated voltage	230 V AC, +/- 10 %, 50/60 Hz
Terminals	
• Solid conductors	1 mm ² ... 4 mm ² , max. 2 x 2.5 mm ²
• Stranded conductors (only with end sleeve)	1 mm ² ... 2.5 mm ² , max. 1 x 2.5 mm ²
Electrical specifications	
• 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 unit
- Series fuse	Max. 10 A
• 290° and 290° IR version	
- Incandescent lamps	2500 W
- Fluorescent lamps (KVG)	20 x 58 W (uncorrected)
- Energy-saving lamps	8 unit
- 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 (mounting height 2.5 m/+22 °C)	
- Version 120	Approx. 10 m
- 290° and 290° IR version	Approx. 16 m
• Mounting height	2 ... 4 m, ideally 2.50 m
Electrical safety	
• Degree of protection (acc. to EN 60529)	IP55
• Overvoltage category (acc. to IEC 60664-1)	III
• Device complies with	EN 60669-1 and EN 60669-2-1
Environmental specifications	
• Storage temperature	-30 ° ... +70 °
• Rel. humidity (non-condensing)	5 % ... 93 %
Approvals	
• VDE certification	Yes
• CE marking	Yes
• Compliance with EMC Directive, Low Voltage Directive	Yes

Design



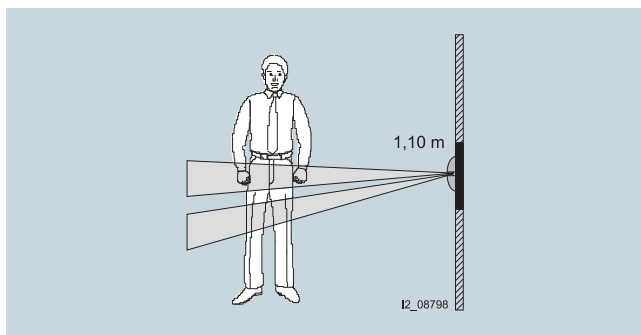
The motion detector insert ① is mounted in a DIN 49073-compliant device box.

The terminals of the insert must be directed downwards (wall mounting) as otherwise malfunctions may result.

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.

The 1.10 m lens



Mode of operation of the 1.10 m lens

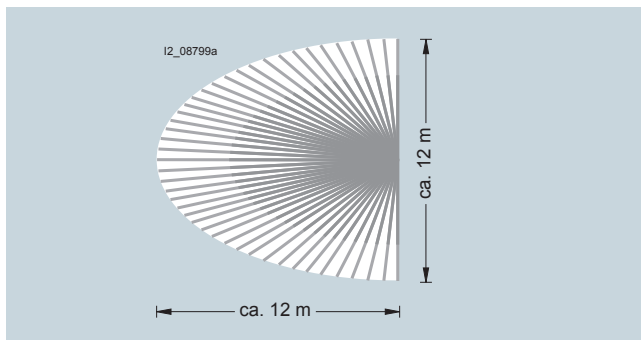
The mounting height generally amounts to 1.10 m.

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

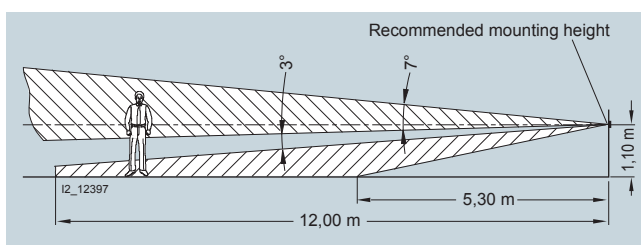
The size of the sensing range amounts to approx. 12 x 12 m related to a mounting height of 1.10 m. With other mounting heights, the detection radius varies.

As a result of the right-angled adjustment of the upper lens level, 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 basically suitable for indoor use only. If mounted in outdoor areas, the sensors may be irreparably damaged by direct sunshine.

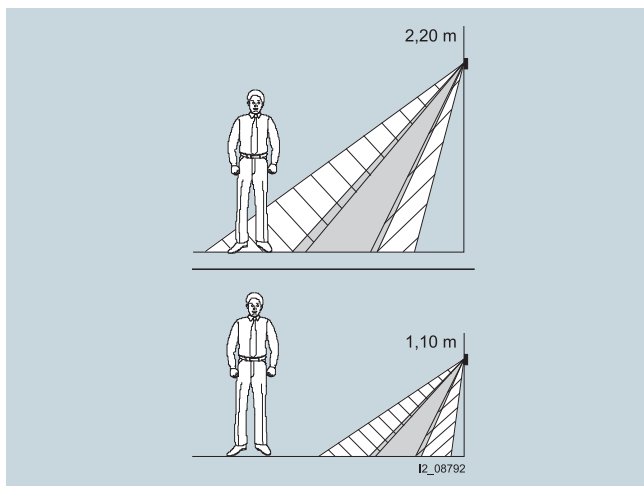


Sensing range of the 1.10 m lens

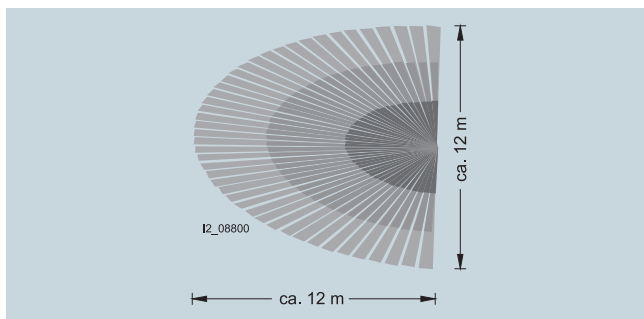


Motion detector tops

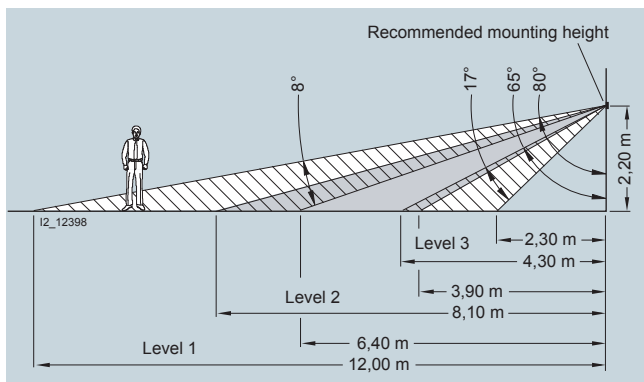
The 2.20 m lens



Mode of operation of the 2.20 m lens



Sensing range of the 2.20 m lens

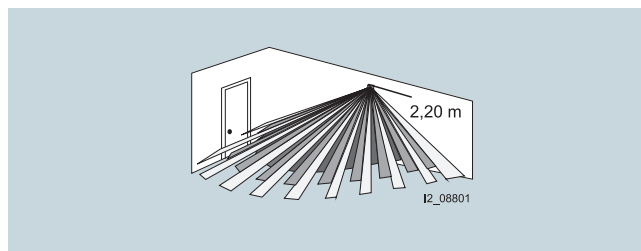


The lens has three ranges of sensing levels, so that the sensing range is divided into near, medium and distant range.

Avoidance of sources of interference

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

- As a result of the thermal radiation from the lighting or an insufficient distance between the motion detector and the lamp, an undefined switch-on operation may be initiated.



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

The mounting height generally amounts to 2.20 or 1.10 m.

If a mounting 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.

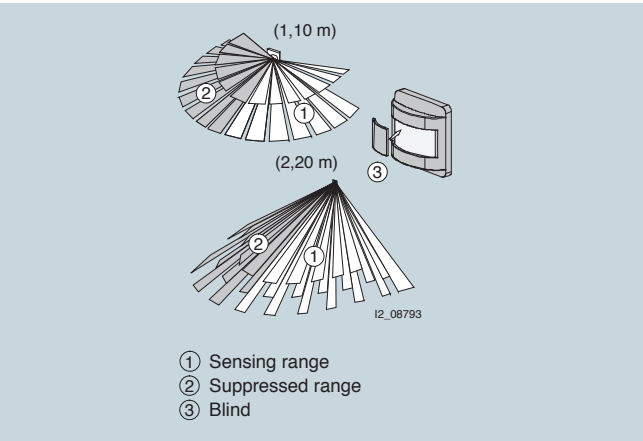
The lens has a sensing range with an opening angle of 180° in three levels. The three levels are directed from the top to the bottom.

The size of the sensing range equals

- For a mounting height of 2.20 m: approx. 12 m x 12 m
- For an mounting 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.

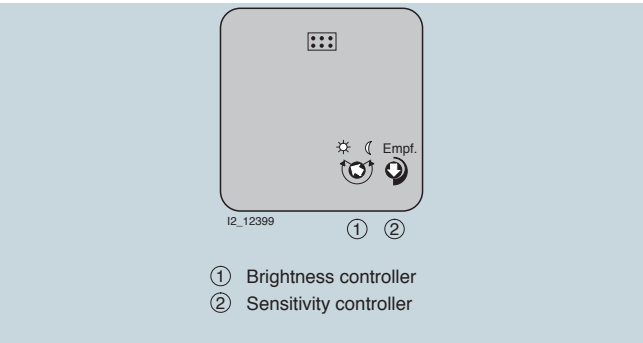
Use of the plug-on blind



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 day mode and 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 turned slightly in the direction of the sun.

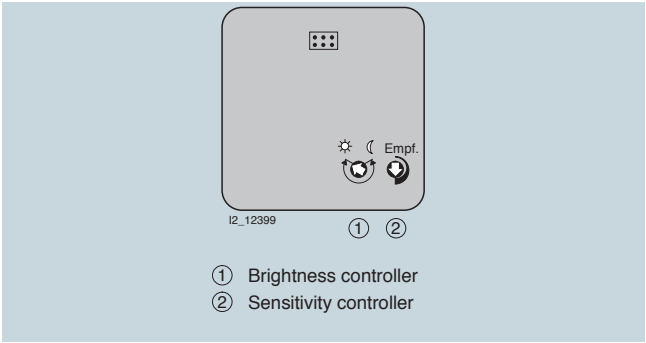
Behavior in case of power failure/recovery

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

Setting the sensitivity

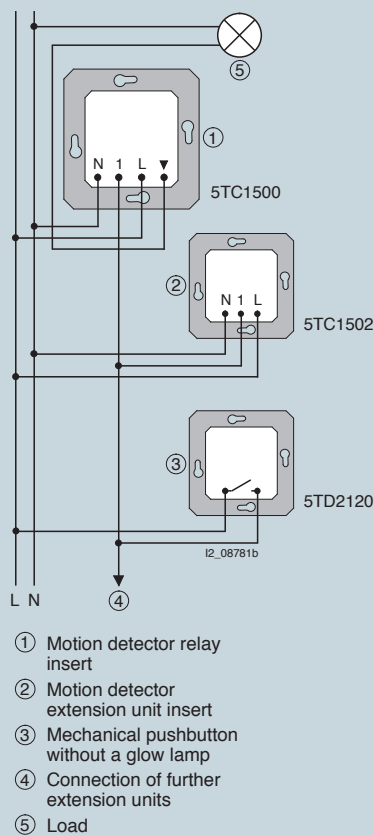


The motion detector top has an internal algorithm which automatically adjusts the device to ambient conditions. This virtually eliminates the possibility of unintended switching operations.

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.

Schematics



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 used in conjunction 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

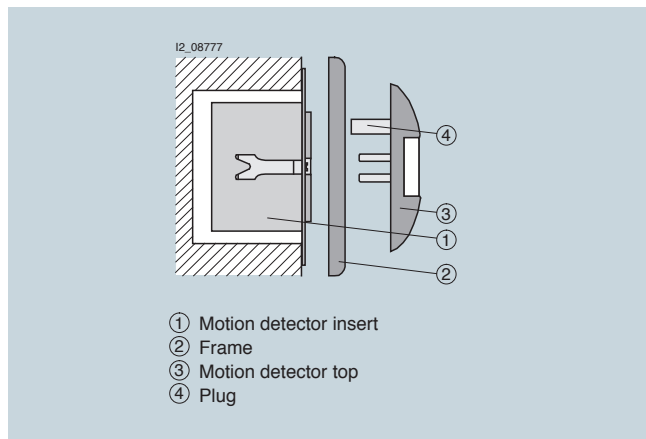
By using a mechanical pushbutton without a glow lamp ③, the lighting can be switched on or retriggered irrespective of the current brightness level.

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 5TD2114 type can be installed if there is a neutral conductor.

Design



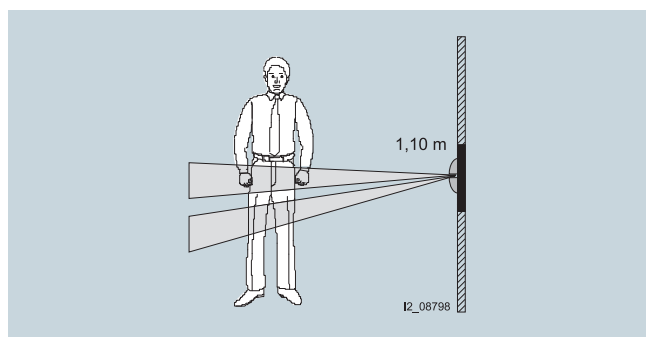
The motion detector insert ① is mounted in a DIN 49073-compliant device box.

The terminals of the insert must be directed downwards (wall mounting) as otherwise malfunctions may result.

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.

The 1.10 m lens



Mode of operation of the 1.10 m lens

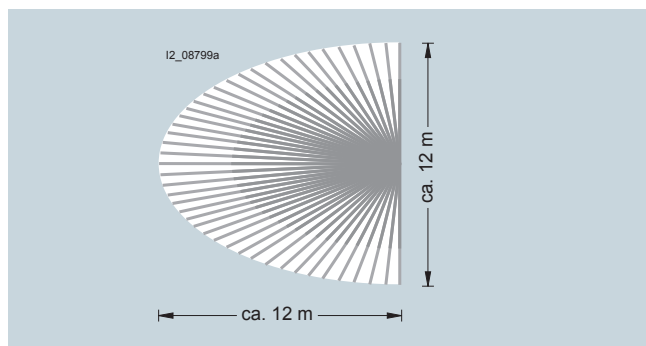
The mounting height generally amounts to 1.10 m.

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

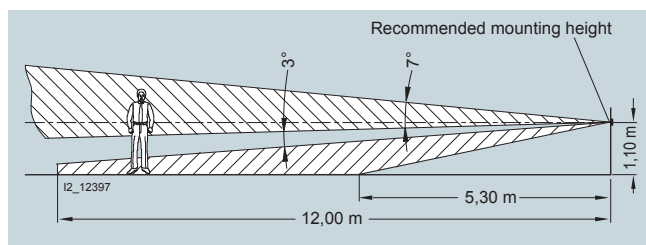
The size of the sensing range amounts to approx. 12 x 12 m related to a mounting height of 1.10 m. With other mounting heights, the detection radius varies.

As a result of the right-angled adjustment of the upper lens level, 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 basically suitable for indoor use only.



Sensing range of the 1.10 m lens

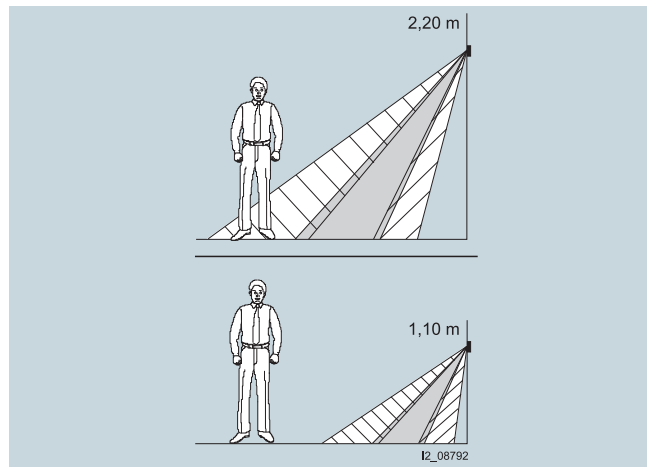


Technical Information

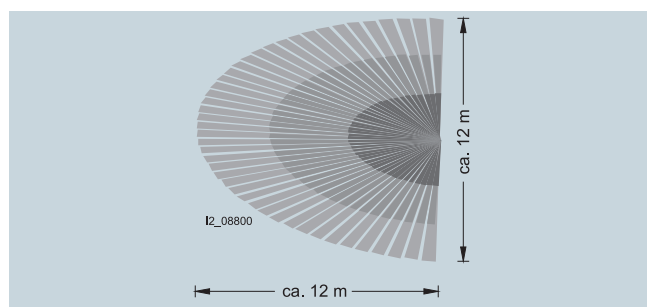
Motion detectors

Comfort motion detector tops

The 2.20 m lens



Mode of operation of the 2.20 m lens



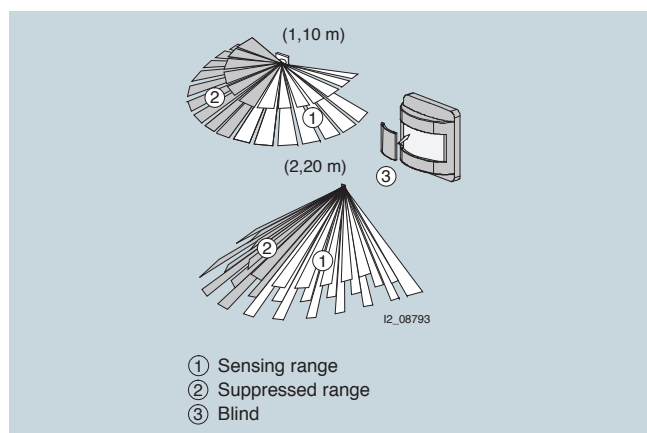
Sensing range of the 2.20 m lens

Avoidance of sources of interference

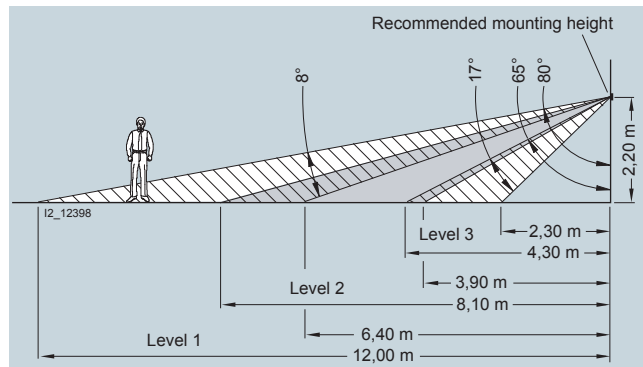
In order to avoid unintended switching operations, the following instructions should be complied with during installation:

- As a result of the thermal radiation from the lighting or an insufficient distance between the motion detector and the lamp, an undefined switch-on operation may be initiated.

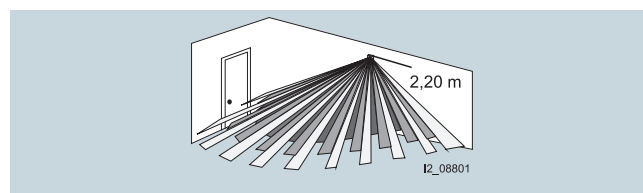
Use of the plug-on blind



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.



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 the top to the bottom

The mounting height generally amounts to 2.20 or 1.10 m.

If a mounting 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.

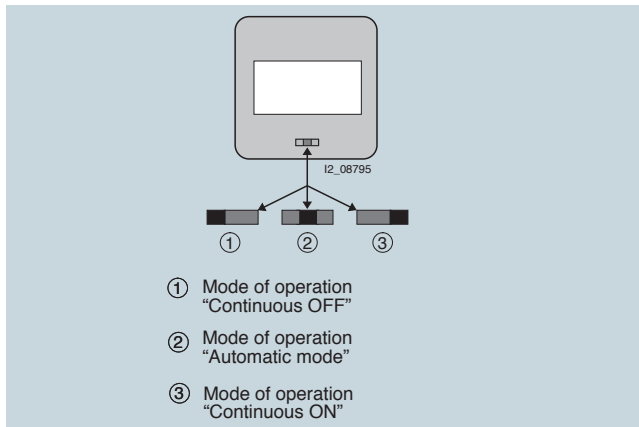
The size of the sensing range equals

- For a mounting height of 2.20 m: approx. 12 m x 12 m
- For an mounting 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.

Programming

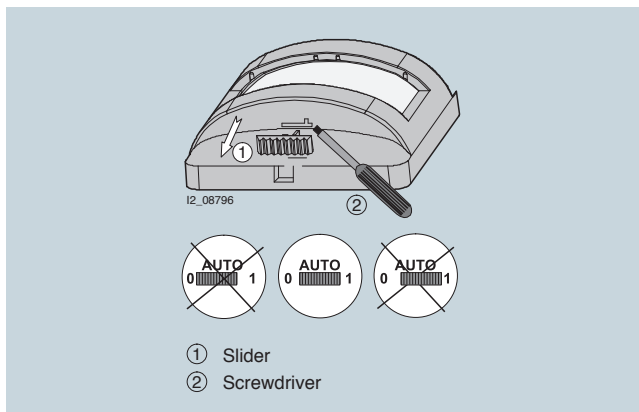
Operating modes



On 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.

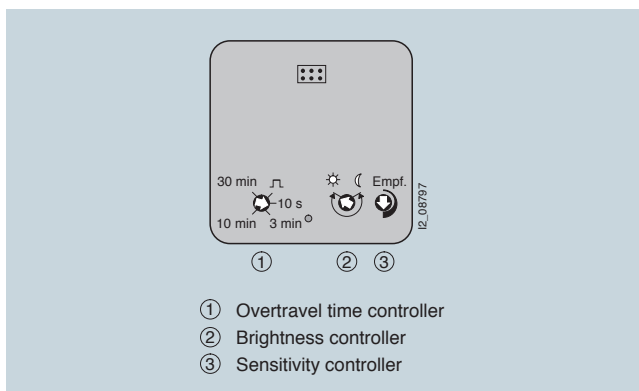
Locking of the switch



The switch can be interlocked in the automatic mode switching position using a locking clip:

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

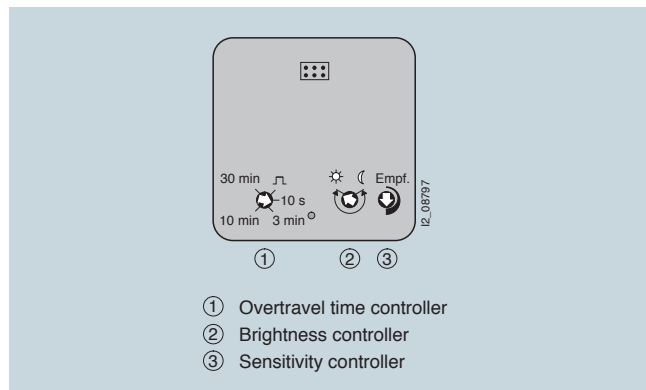
The Comfort motion detector top does not support a forced shut-down. This means, continuous motion within the sensing field results in continuous light.

Technical Information

Motion detectors

Comfort motion detector tops

Setting of short-time duty

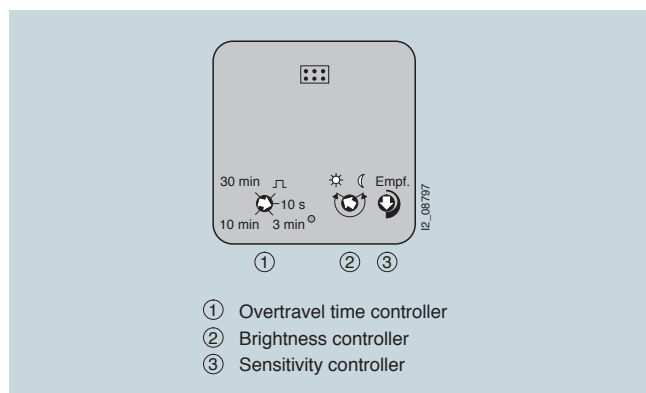


Within the scope of a special operating mode, the Comfort motion detector top can also be set to short-time duty. The short-time duty operates irrespective of the current brightness level and can be used, e.g. for controlling a bell.

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 a locking 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 day mode 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. This activation is confirmed

- When 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 ① must be turned slightly in the direction of the sun.

The comfort motion detector top has a high immunity to external light. For this reason, the Comfort motion detector top

- Does not interpret a brief illumination (e.g. that of a flashlight) as "brightness threshold exceeded", thus causing it not to switch in the case of motion, so that the motion detector cannot be disabled by exposing it briefly to a bright light,
- 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 brightness threshold has been exceeded by at least 10 s will 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.

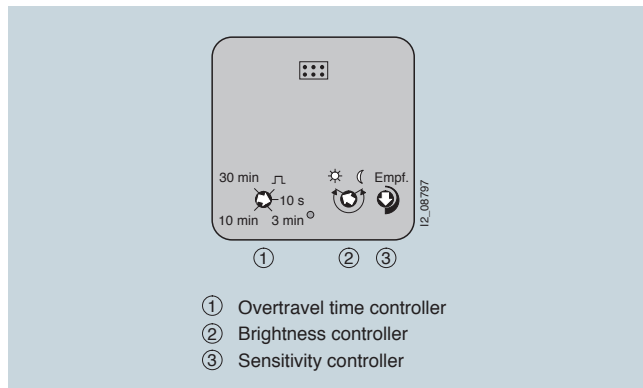
You then need to step away from the Comfort motion detector top for at least one minute in order to enable it to correctly measure and store the current brightness.

The lighting then switches on for 3 s to confirm that this brightness level has been stored.

The Comfort motion detector top 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.

Setting the sensitivity

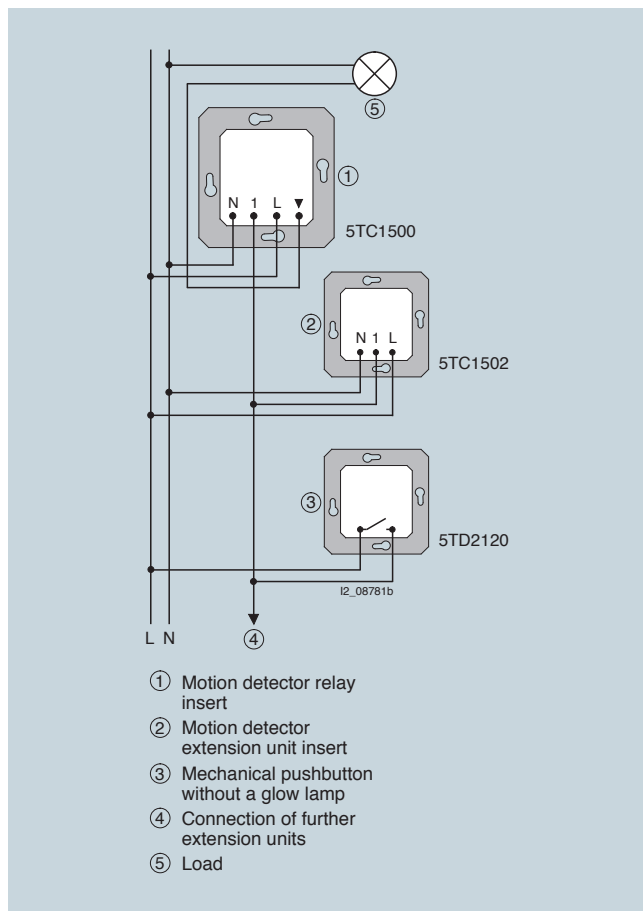


The Comfort motion detector top has an internal algorithm which carries out an automatic adjustment to the ambient conditions. This virtually eliminates the possibility of unintended switching operations.

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



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

Extension units

The sensing range of a center unit can be extended by means of 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.
- If required, the Comfort motion detector top plugged onto the extension unit can be adjusted over 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 a locking 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.

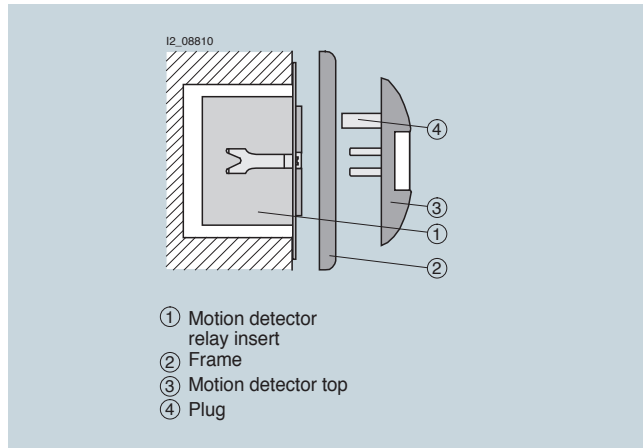
It is not possible to switch off the lighting.

Technical Information

Motion detectors

Motion detector relay inserts (5TC1500)

Design



The motion detector relay 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 if the insert is connected to the power supply as this will cause a malfunction.

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,
- –15 % for mounting on wood, Rigips or cavity walls,
- –20 % for mounting in multiple combinations.

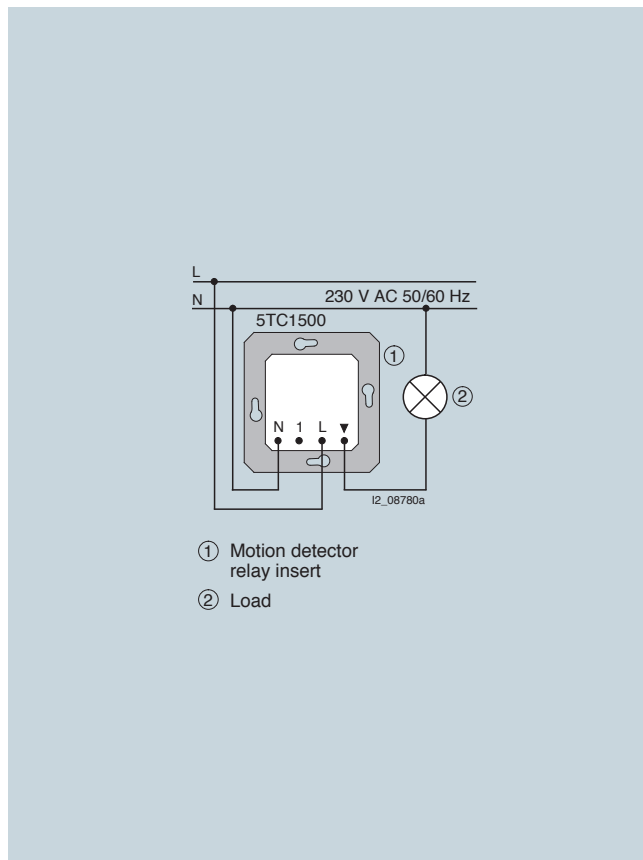
Use of extension units

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

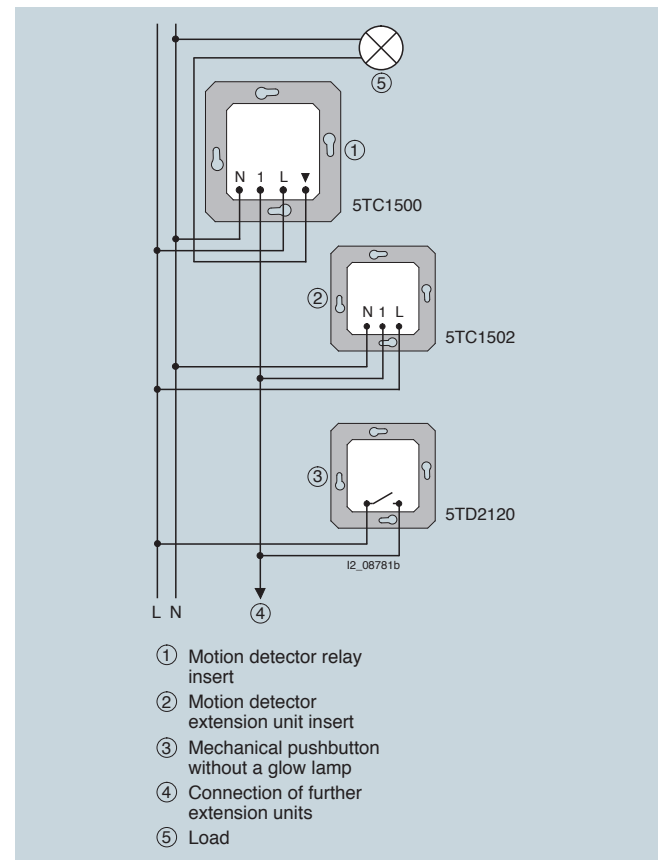
If mechanical pushbuttons are used (NO contacts), the lighting can be switched on from several sides irrespective of the current brightness level.

Note: A motion detector top must be mounted 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

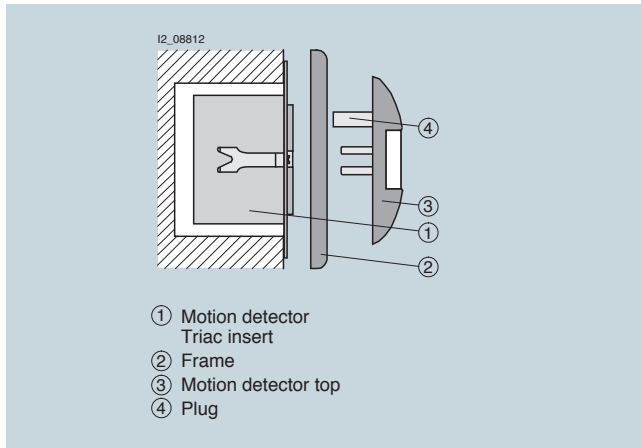


Connection of motion detector relay inserts



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,
- –15 % for mounting on wood, Rigips or cavity walls,
- –20 % for mounting in multiple combinations.

Use of extension units

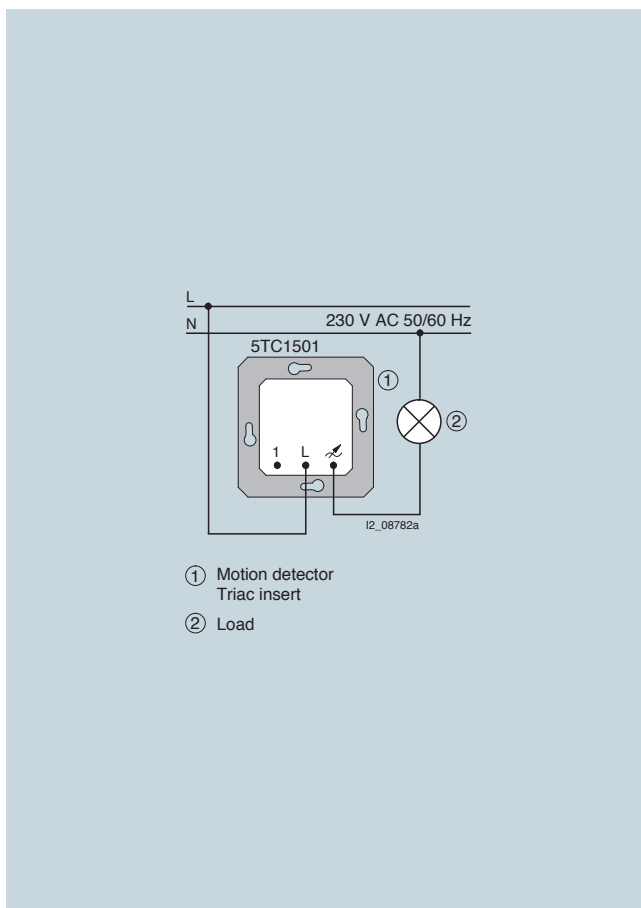
The sensing field of the center unit can be extended by means of the motion detector extension unit insert.

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

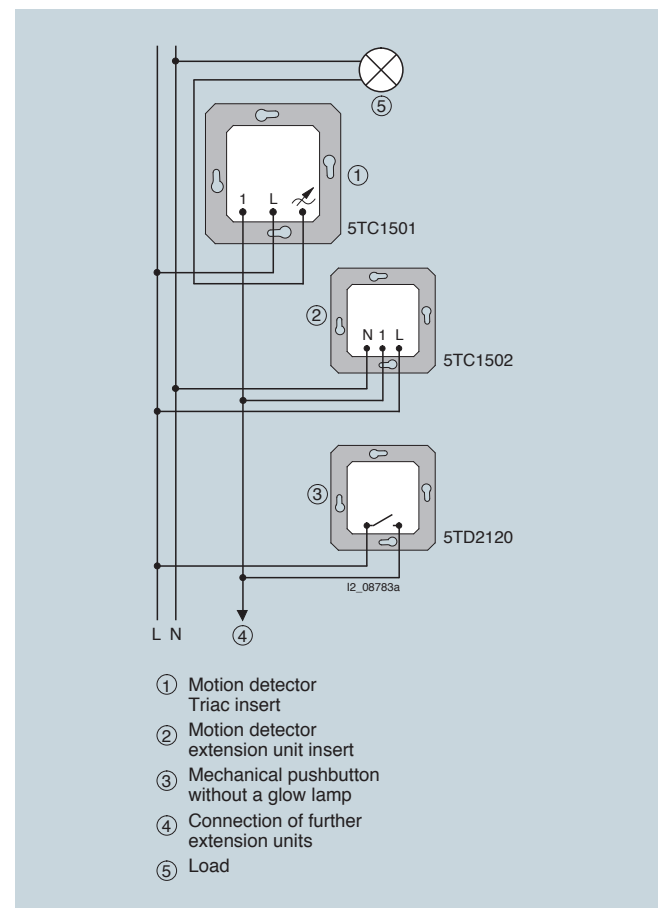
Note: A motion detector top must be mounted on the center unit - otherwise, there will be no function.

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



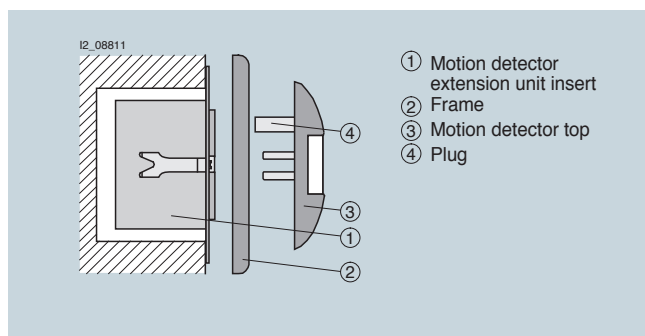
Connection of all possible inserts

Technical Information

Motion detectors

Motion detector extension unit inserts (5TC1502)

Design

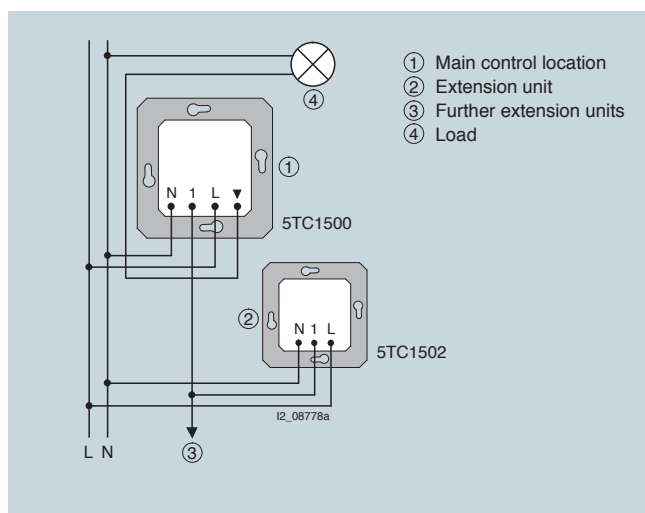


The motion detector extension unit insert ① is mounted in a DIN 49073-compliant device box. The terminals of the insert must be directed downwards (for wall mounting).

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

The electrical contacting is achieved over the plug ④.

Schematics

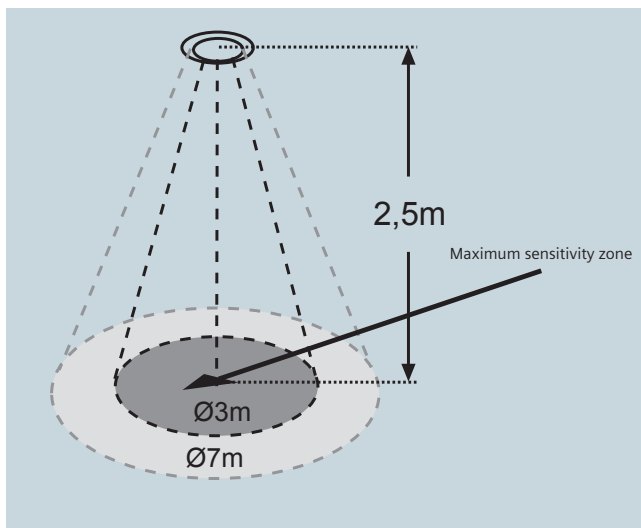


Technical specifications

Power supply	AC 230 V, 50 Hz
Power consumption	<1 W
Contact load	16 A, $\cos \varphi = 1$
• Incandescence or halogens 230V	3000 W
• Halogens electronic transfo	2400 W
• Halogens ferromagnetic transfo	3000 W
• Fluorescence	1300 W (130 μ F)
• PL lamps	18 x 7 W, 12 x 11 W, 10 x 15 W, 10 x 20 W, 10 x 23 W
• LED lamps	
Detection angle	Circular 360°
Range of coverage	Ø 7 m at 2,5m high and 18 °C
Settings	Via potentiometer
Lux value	5 ... 1200 Lux
Time delay	6 seconds to 12 minutes
Mechanical specifications	
• Dimensions (mounted)	118,5 x 45 mm
Electrical safety	
• Degree of protection	IP40, Class II
Environmental specifications	
• Working temperature	-10 ... +45 °C

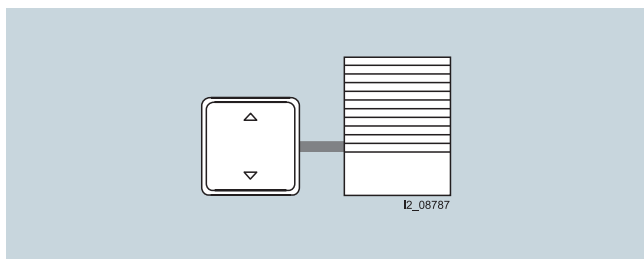
¹⁾ For the flushmounting version a 65mm Ø box/hole is needed.

Schematics

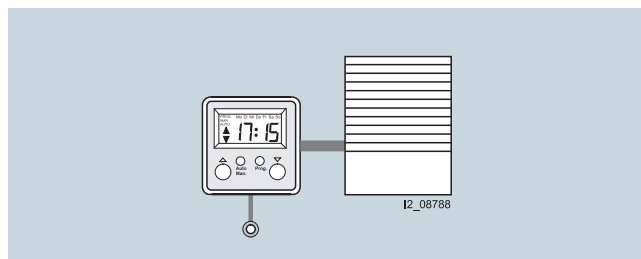


Overview

Individual control, demonstrated using i-system titanium white

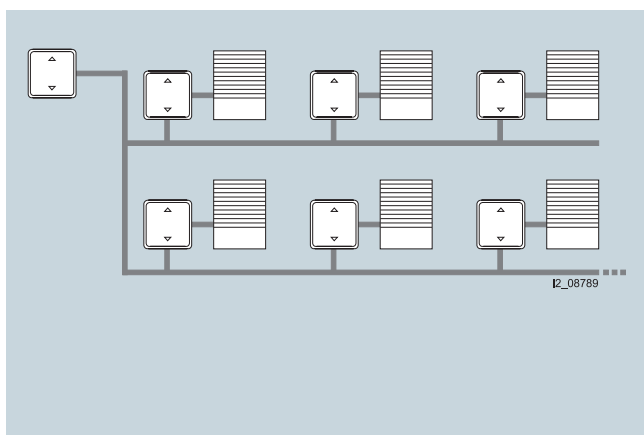


Shutter/blind control with shutter/blind sys insert (5TC1231) and sys shutter/blind pushbutton (5TC1321)

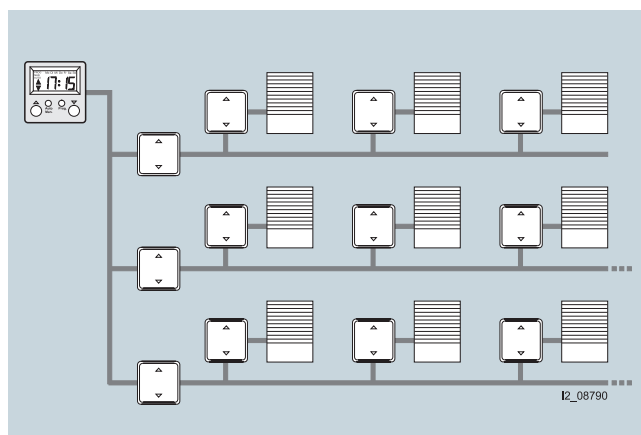


Shutter/blind control with Comfort shutter/blind control complete assembly (5TC1521) and sun sensor (5TC1526)

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



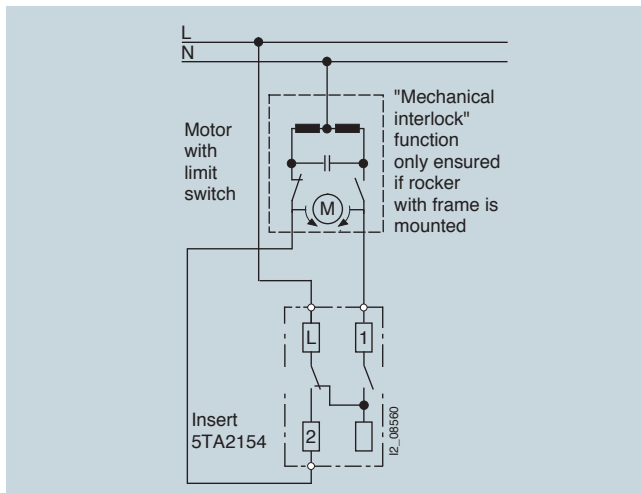
Shutter/blind control with sys shutter/blind inserts (5TC1231) and Shutter/blind sys pushbuttons (5TC1321)



Shutter/blind control with sys shutter/blind inserts (5TC1231) and sys shutter/blind pushbuttons (5TC1321) and shutter/blind control complete assembly (5TC1520) or Comfort shutter/blind control (5TC1521)

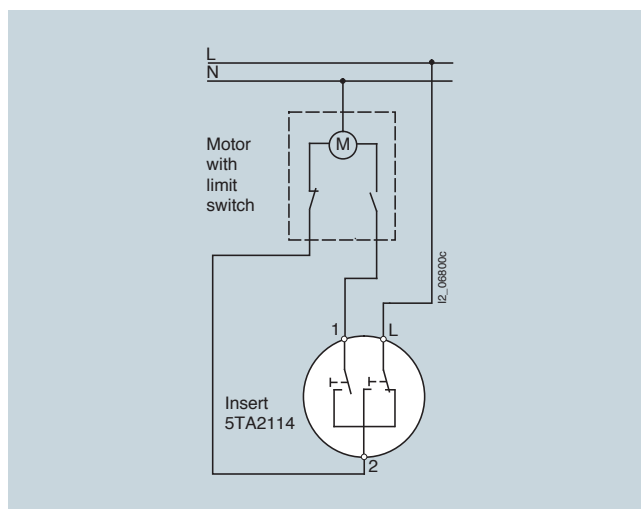
Shutter/blind switches, with electrical and mechanical interlock (5TA2154)

Schematics



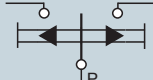
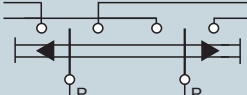
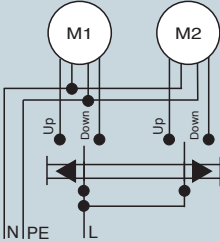
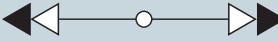
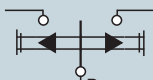
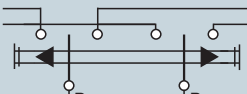
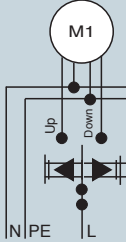
Shutter/blind pushbuttons, with electrical interlock

Schematics



Shutter/blind knob-operated switches

Schematics

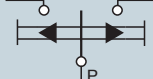
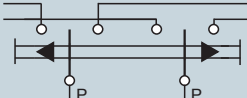
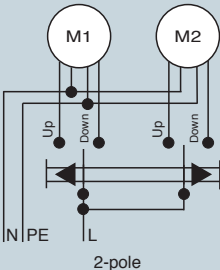
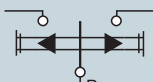
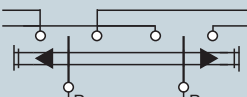
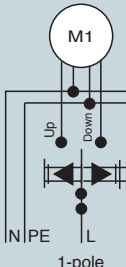
Symbols	Circuit diagram	Application example	
 Pushbutton 0 position Pushbutton	 1-pole 5TA7663 5TA7674	 2-pole	 2-pole
 Pushbutton/ maintained contact 0 position Pushbutton/ maintained contact	 1-pole 5TA7660 5TA7671	 2-pole 5TA7661 5TA7672	 1-pole

I2_12165

12_12165

Shutter/blind key-operated switches

Schematics

Symbols	Circuit diagram	Application example	
 Pushbutton 0 position Pushbutton	 1-pole 5TA7666 5TA7677	 2-pole 5TA7667 5TA7678	 2-pole
 Pushbutton/ maintained contact 0 position Pushbutton/ maintained contact	 1-pole 5TA7664 5TA7675	 2-pole 5TA7665 5TA7676	 1-pole

12_12166

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

Overview

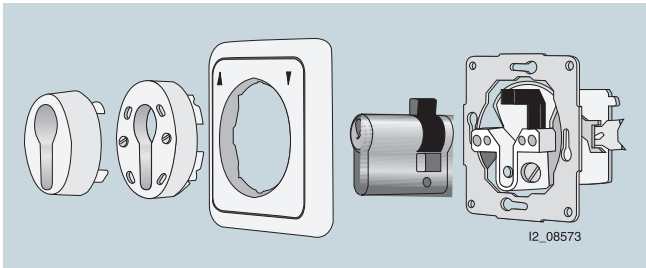
All profile semicylinders must comply with DIN 18252 with approx. 40 mm overall length. Examples:

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

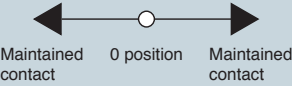
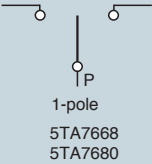
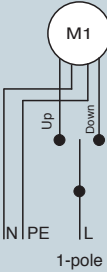
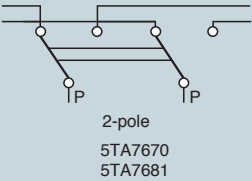
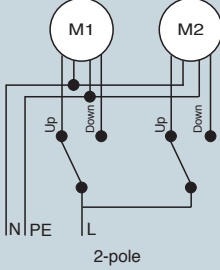
Bit is in neutral position.

The key-operated switch is ideal for 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

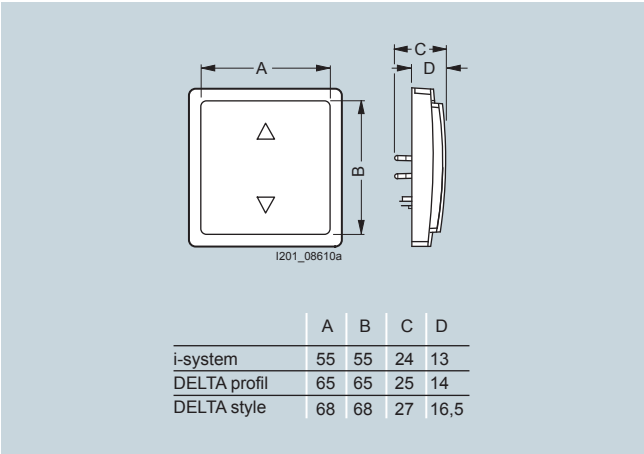
Symbols	Circuit diagram	Application example
		
		

I2_12167

Technical specifications

Power supply	Over 230-V user interface (230 V PEI) of the sys shutter/blind control insert		
Terminals	10-pole pin connector (230 V PEI) for connection of sys shutter/blind control insert		
Mechanical specifications			
• Enclosure	Plastic		
• Dimensions (L x W x D)	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 sys shutter/blind control insert		
Electrical safety			
• Pollution degree	2		
(acc. to IEC 60664-1)			
• Degree of protection (acc. to EN 60529)	IP20		
• Overvoltage category	III		
(acc. to IEC 60664-1)			
• 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 specifications			
• Resistance to climate	EN 50090-2-2		
• Ambient operating temperature	-5 ... +45 °C		
• Storage temperature	-25 ... +70 °C		
• Relative humidity	5 ... 93 %		
(non-condensing)			
CE marking	According to EMC Directive (residential buildings), Low Voltage Directive		

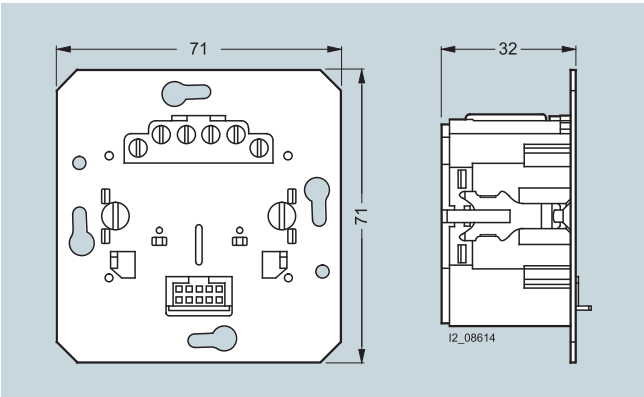
Dimensional drawings



Technical specifications

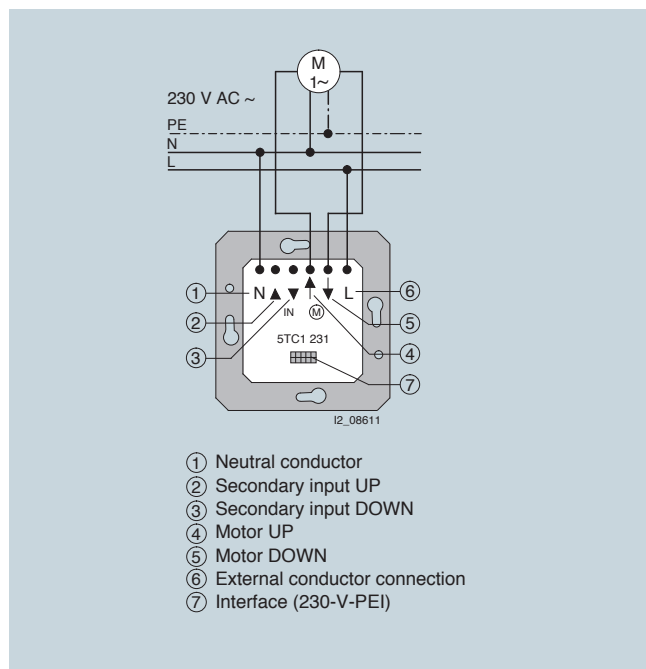
Power supply	Mains connection 230 V Rated voltage: 230 V AC, 50 Hz
Outputs • Output channel (UP/DOWN) • Rated voltage • Rated current • Switching capacity • Max. duty ratio of the relay • Switchover interval between UP and DOWN operation • Relay ON period for STEP command • System interruptions	1 230 V AC, 50 Hz 8 A resistive load 1 motor, 1000 VA 120 s 1 s 100 ms < 0.2 s are bridged
Terminals	The connections for the DELTA sys shutter/blind control insert comprise six screw 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 mm² can be used
Mechanical specifications • Enclosure • Dimensions • Weight • Fire load • Mounting	Plastic Modular width: 71 mm x 71 mm mounting depth: 32 mm Approx. 75 g Approx. 1000 kJ Installation in device boxes 60 mm Ø, at least 40 mm deep complies with DIN 49073-1
Electrical safety • Pollution degree (acc. to IEC 60664-1) • Degree of protection (acc. to EN 60529) • Overvoltage category (acc. to IEC 60664-1) • Relay	2 IP20 III μ contact
EMC requirements	According to EN 50090-2-2, EN 60669-2-1, EN 61000-6-3, EN 61000-6-1
Environmental specifications • Resistance to climate • Ambient operating temperature • Storage temperature • Relative humidity (non-condensing)	EN 50090-2-2 -5 ... +45 °C -25 ... +70 °C 5 ... 93 %
Approvals	VDE certification
CE marking	According to EMC Directive (residential buildings), Low Voltage Directive

Dimensional drawings



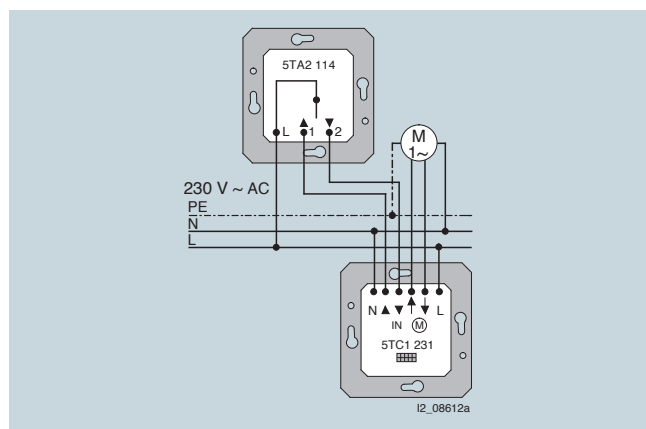
Schematics

Sample connection



Application options

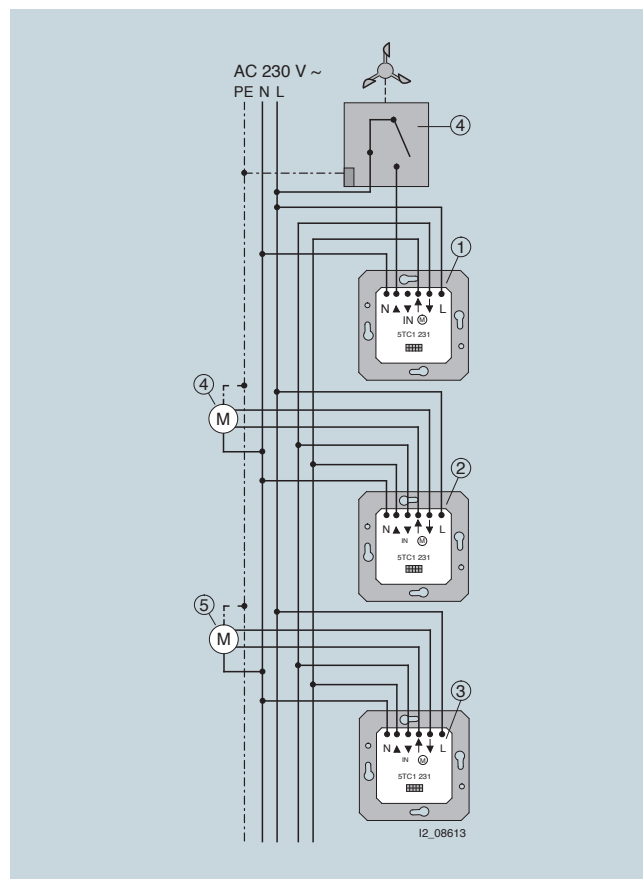
Example 1:
Shutter/blind control with conventional extension units



When using the shutter/blind pushbutton (5TA2114), the shutter/blind can be manually moved to the required position (UP/DOWN or STEP command). The number of connectable conventional extension units is unlimited.

Example 2:

Group control with 2 motors and central operating point



Together with the UP 211 wave shutter/blind pushbutton inserts, the sys shutter/blind control 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:

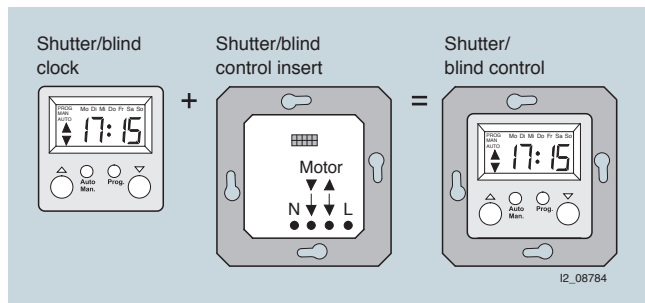
- It is not permissible to use a shutter/blind control sys insert as the central operating point and directly operate a shutter/blind motor.
- When protecting the central operating point against short circuit using a separate residual current operated circuit breaker, both circuits must be isolated in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

Example 3:

Integrating a wind alarm

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

Overview

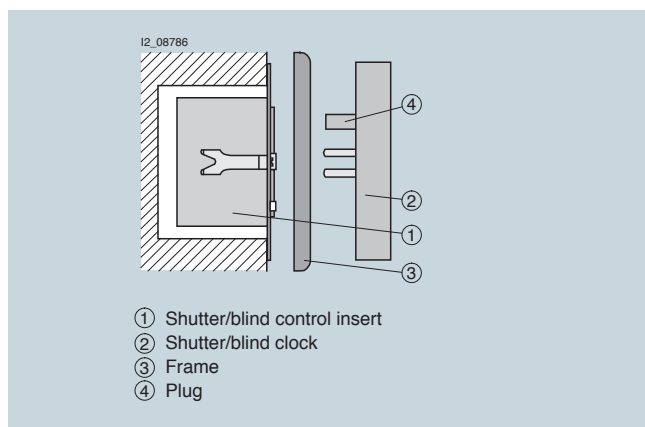


Form of delivery for the shutter/blind control

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
- Reserve power > 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 reserve power 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:

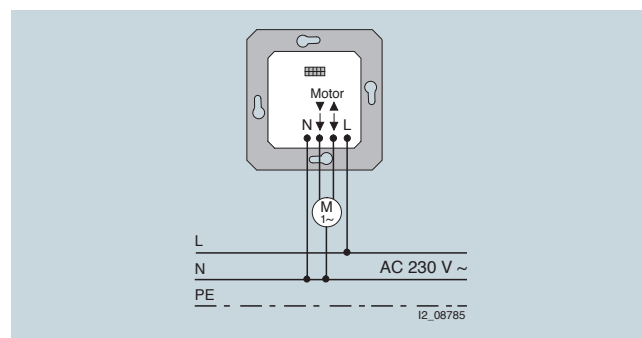
- Switching time 1: ↑ 07:00, Mo. to Fr.
- Switching time 2: ↓ 20:00, Mo. to Fr.
- Switching time 3: ↑ 09:00, Sa. to Su.
- Switching time 4: ↓ 20:00, Sa. to Su.

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.

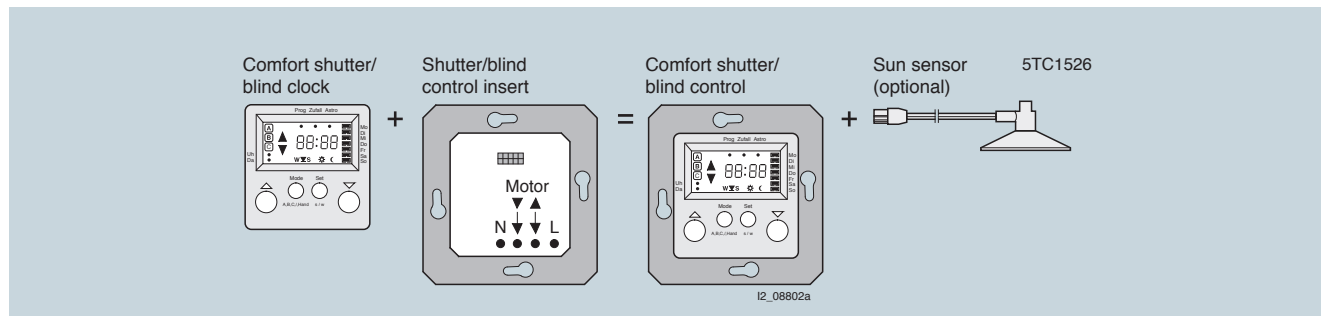
Effect of the length of the button stroke:

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

Schematics

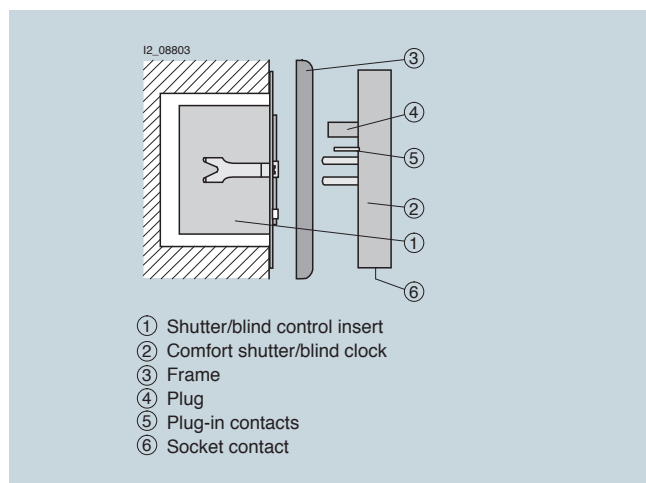


Overview



Form of delivery for the Comfort shutter/blind control

Design

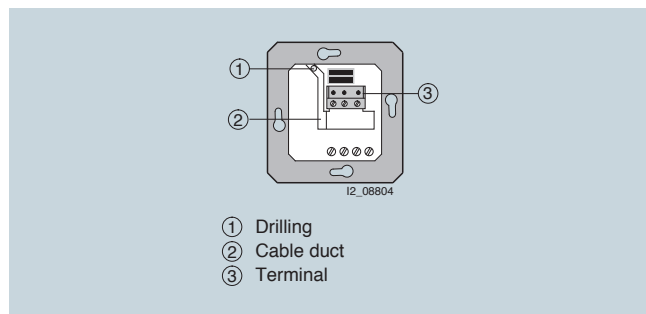


Connection options for the sun sensor cable

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



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.

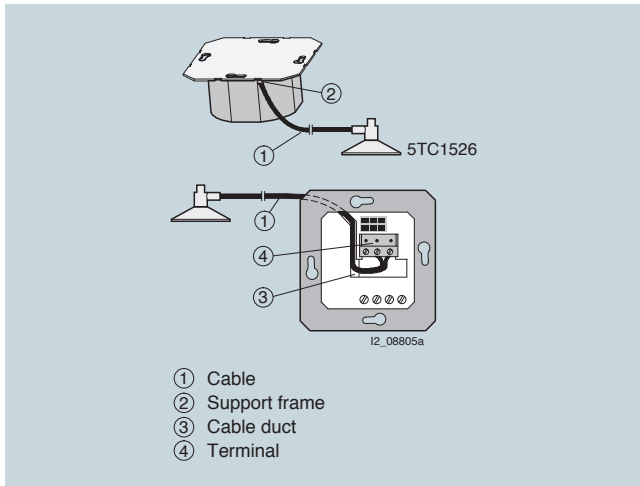
The electrical contacting is achieved over the plug ④.

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.

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 terminals or similar).

In this context, it must be ensured 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 drill hole 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.

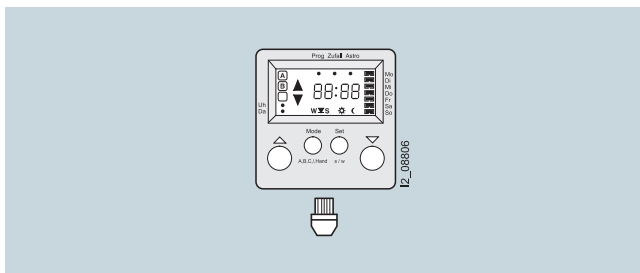
Surface-mounting routing of the sun sensor cable



The plug at the sun sensor must be removed. The individual wires of the sensor cable are stripped and routed through the insulating tube (supplied with the sun sensor).

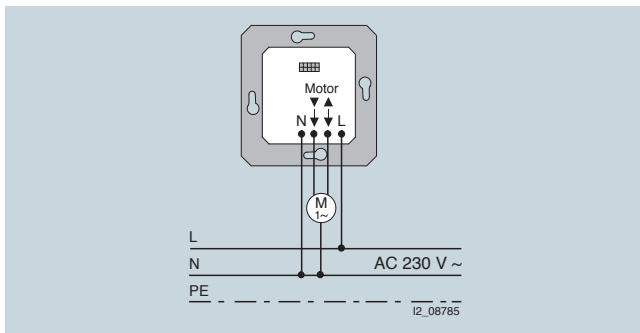
The cable ①, together with the insulating tube, is then routed directly underneath the supporting frame ② through the cable duct ③ to the terminal ④.

Connection of the sun sensor cable by plugs



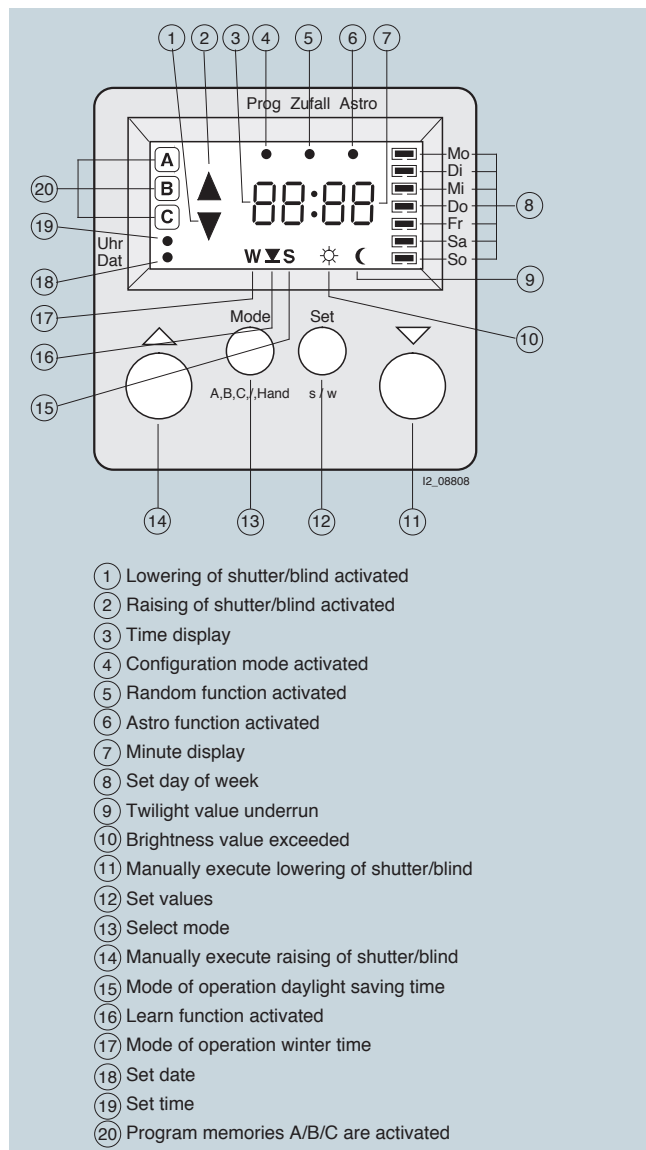
The sun sensor cable is connected by plugging the plug of the sensor into the socket of the Comfort shutter/blind clock.

Schematics



Programming

Operating and display elements



Factory settings

While program memories A and B are factory-assigned, they can also be user-defined if required. Operating 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.

Independent programs can be stored in the three program memories A, B and C (e.g. for everyday, weekend, vacations etc.).

All three program memories support a maximum of 18 switching times.

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.

It can also be used to 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

A manual operation is possible with any operating mode. The shutters/blinds 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.

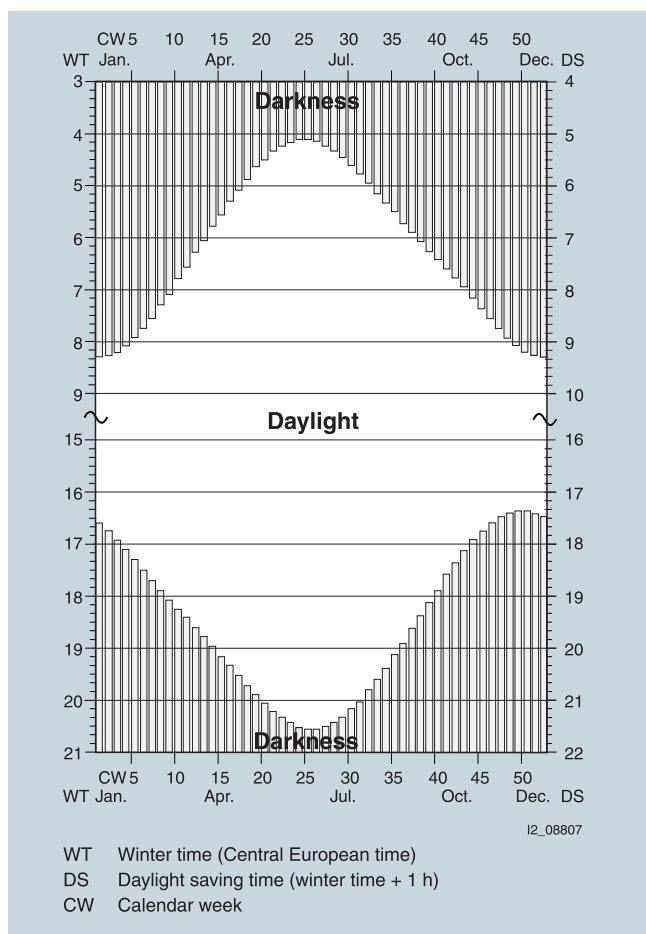
Adjusting the astro time for sunrise and sunset

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 "brighter" and "darker" sites of installation.

- **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 situation 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 shutters/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 amounts in any case to 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 changes in brightness can be detected. For optimum sun protection, the position of the shutters/blinds is 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 **1** 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.

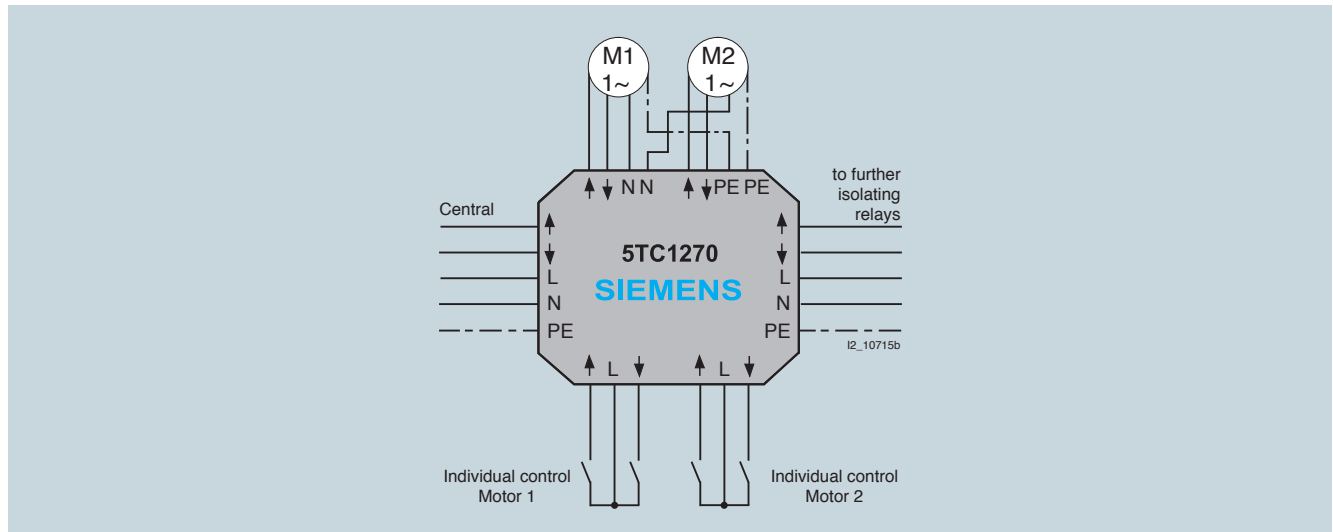
The twilight function is not activated until 2 h before the sunset astro time. This prevents a sun sensor located in shade during the day from lowering the shutters/blinds when it is not wanted.

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.

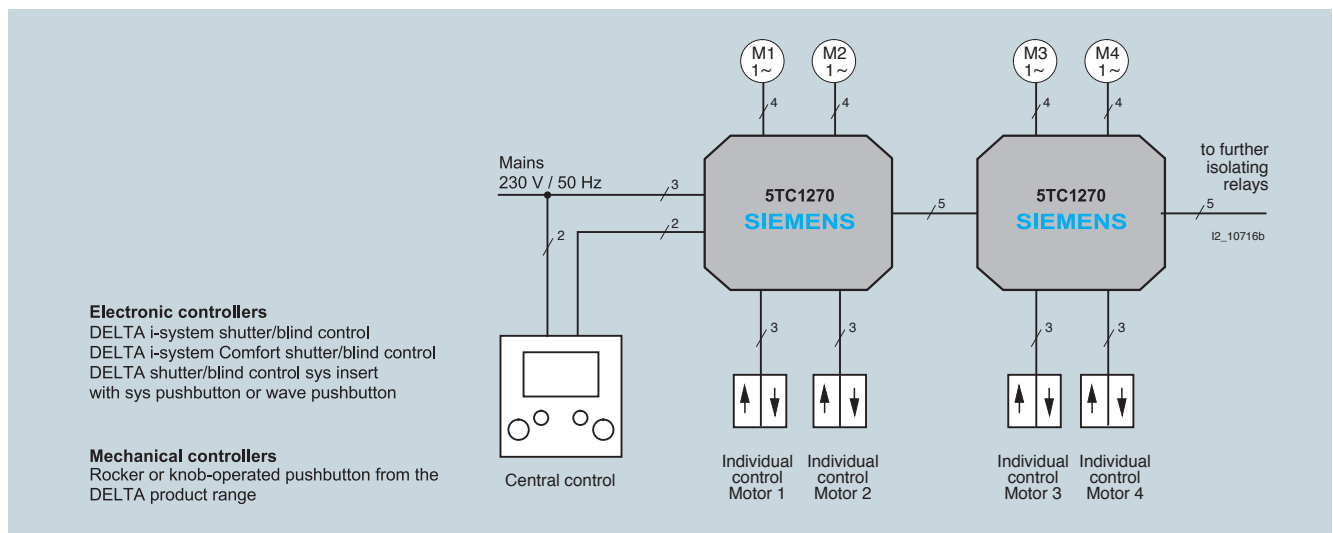
Switching times without astro are executed at the programmed instant, irrespective of the current brightness level.

Shutter/blind control flush-mounting isolating relays (5TC1270)

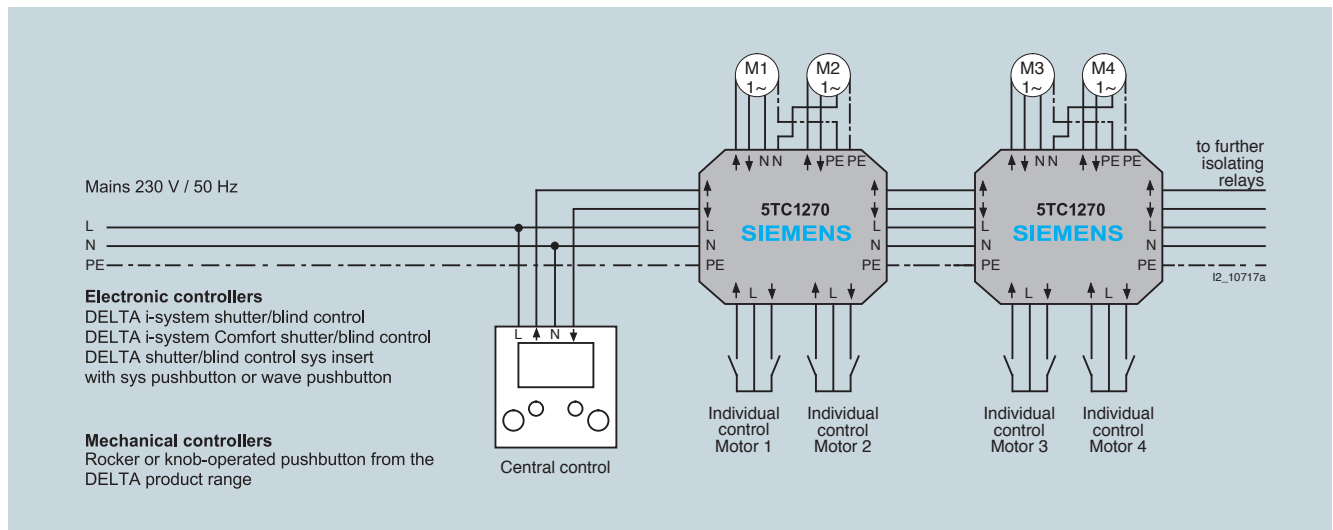
Schematics



Sample connection



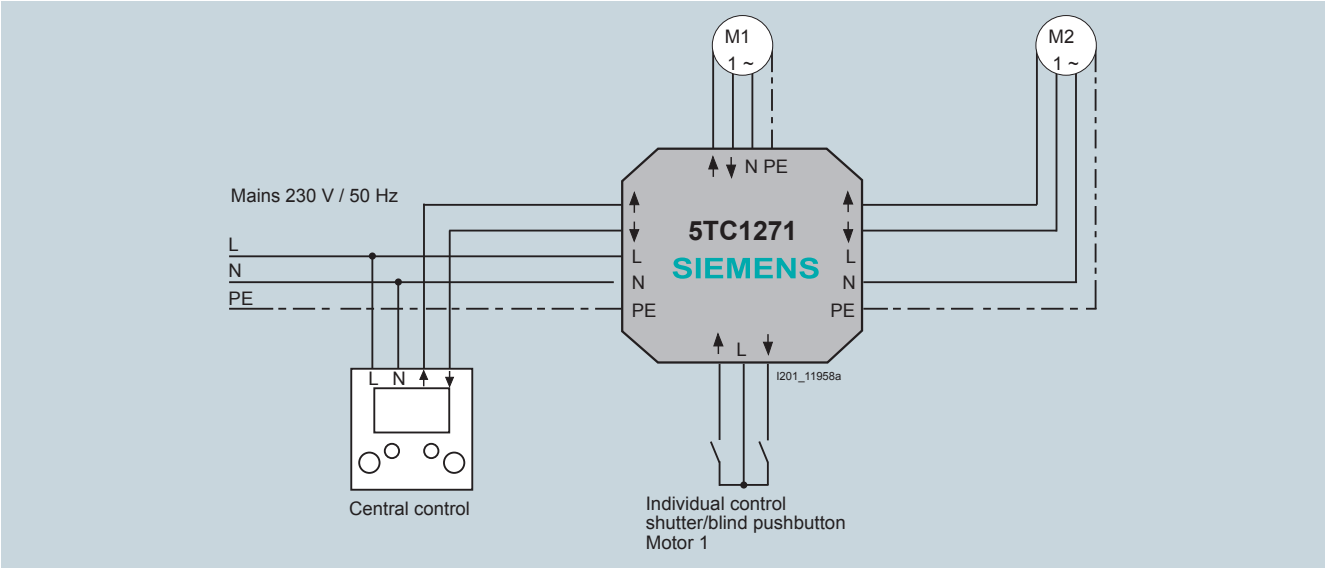
Wiring diagram



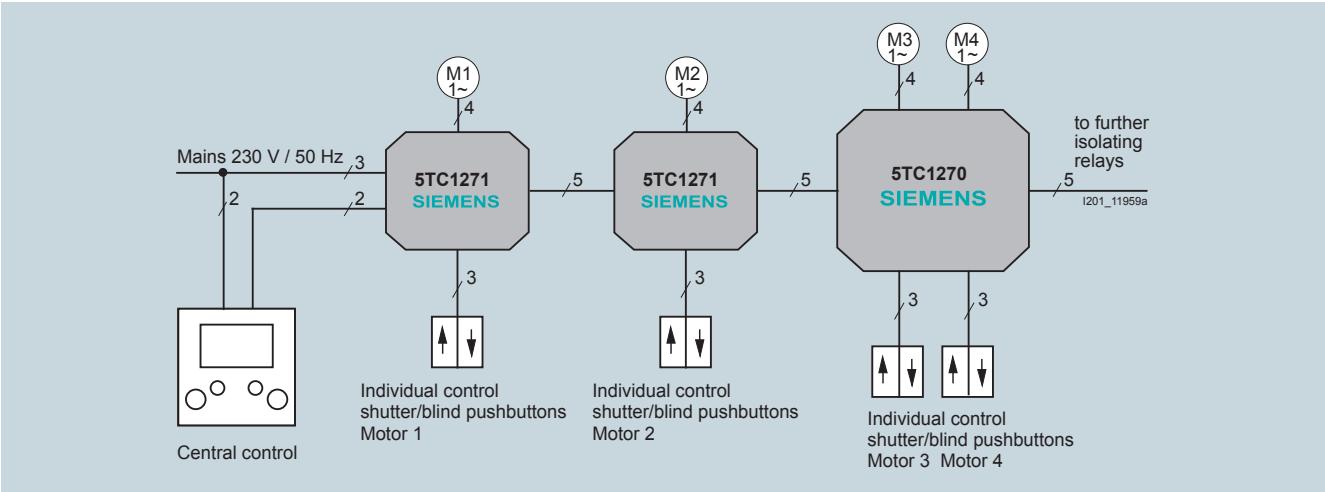
Wiring diagram

Shutter/blind control flush-mounting isolating relays, compact (5TC1271)

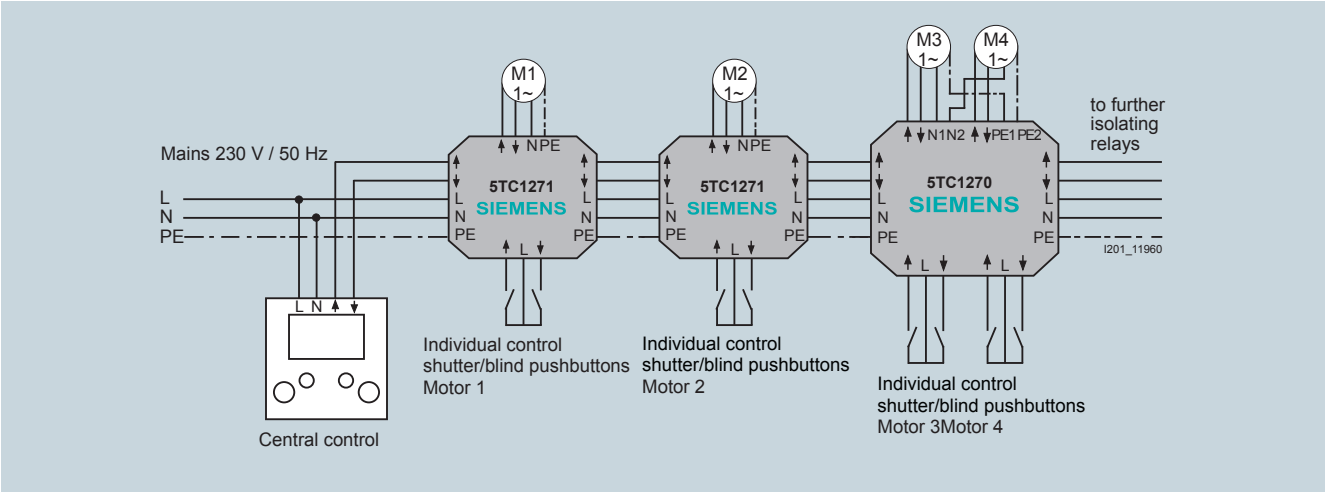
Schematics



Sample connection



Wiring diagram



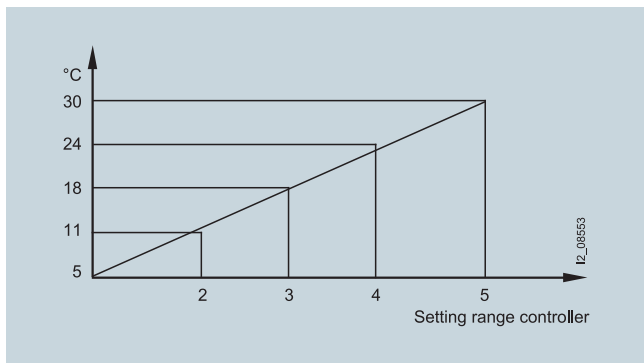
Wiring diagram

Technical Information

Room Temperature Controllers

Room temperature controllers, 1 NC contact (5TC9200)

Function

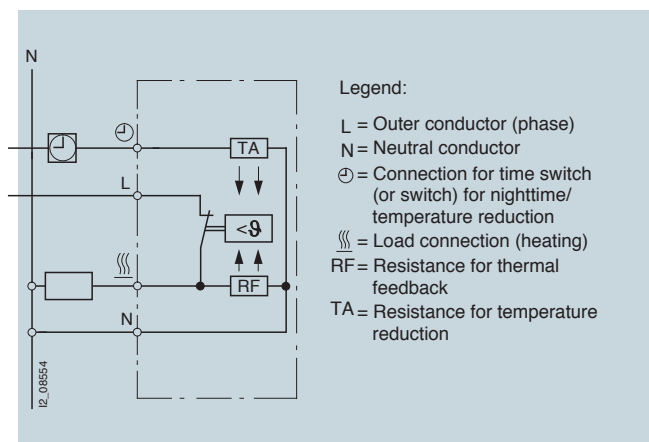


Range restriction in the setting button

Technical specifications

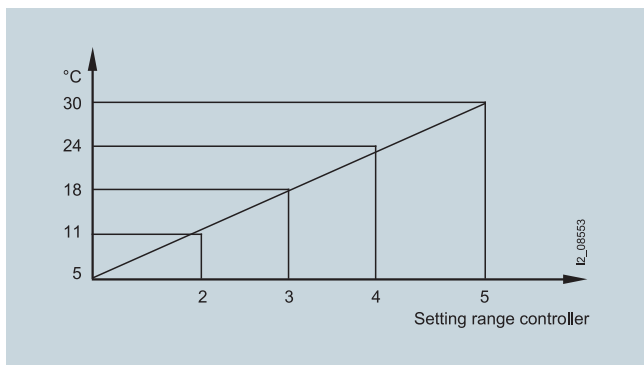
Temperature range	5 ... 30 °C
Operational voltage	230 V AC, 50/60 Hz
Switch contact	1 NC contact
Rated current	10 (4) A
Switching temperature difference	Approx. 0.5 K
Temperature reduction	Approx. 4 K
Degree of protection/safety class	IP30/totally insulated

Schematics



Room temperature controllers, 1 CO contact (5TC9201)

Function

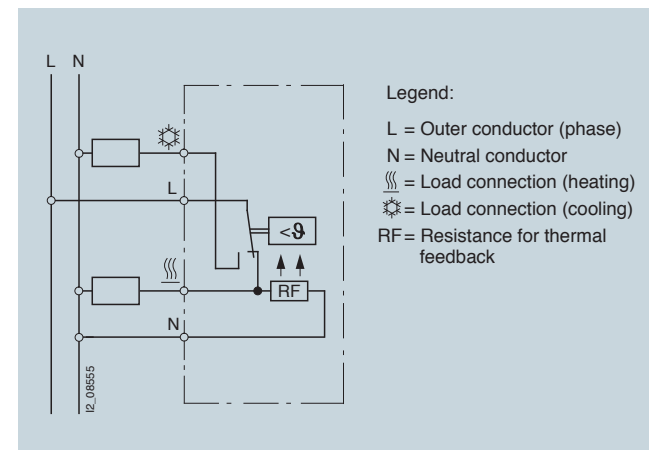


Range restriction in the setting button

Technical specifications

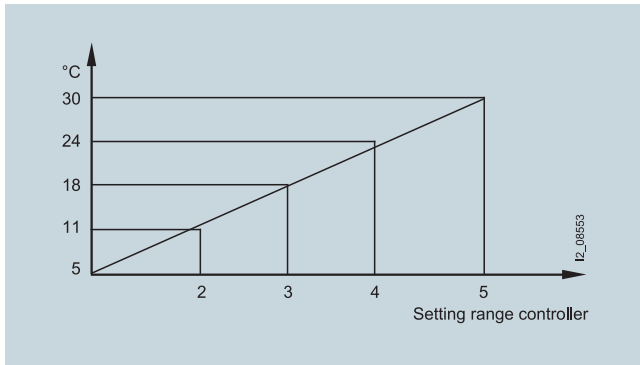
Temperature range	5 ... 30 °C
Operational voltage	230 V AC, 50/60 Hz
Switch contact	1 CO contact
Rated current	10 (4) A (heating) 5 (2) A (cooling)
Switching temperature difference	Approx. 0.5 K
Temperature reduction	Approx. 4 K
Degree of protection/safety class	IP30/totally insulated

Schematics



Room temperature controllers, 3-position switch (5TC9202)

Function

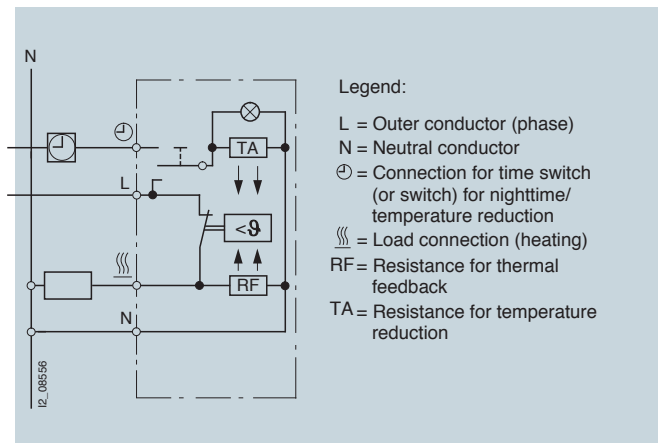


Range restriction in the setting button

Technical specifications

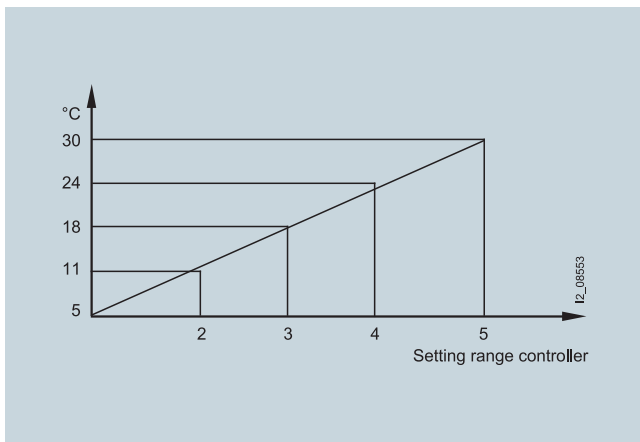
Temperature range	5 ... 30 °C
Operational voltage	230 V AC, 50/60 Hz
Switch contact	1 NC contact
Rated current	10 (4) A (heating)
Switching temperature difference	Approx. 0.5 K
Temperature reduction	Approx. 5 K
Degree of protection/safety class	IP30/totally insulated

Schematics



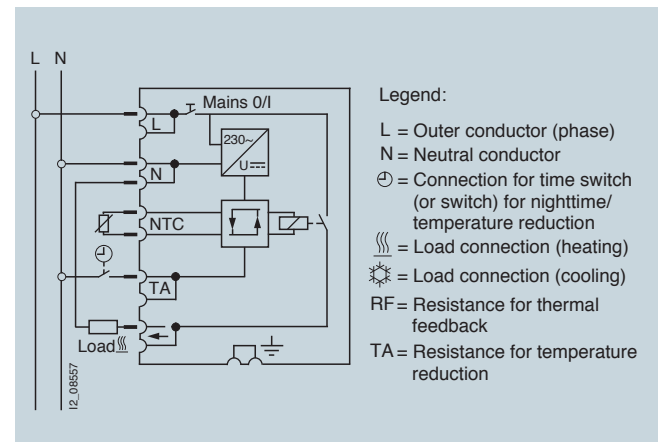
Room temperature controllers, direct floor heating (5TC9203)

Function



Range restriction in the setting button

Schematics



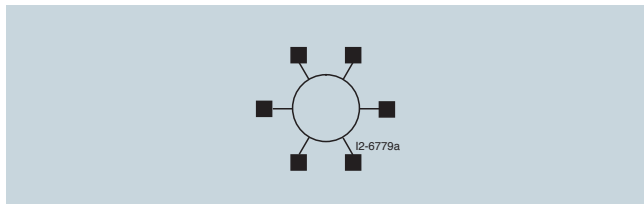
Technical specifications

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 $R_i > 1M$	
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

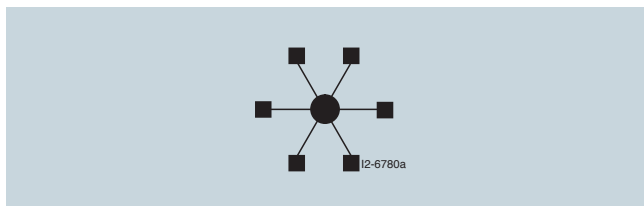
Overview

Data networks

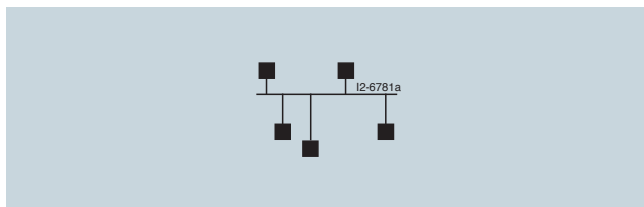
The following three versions are used primarily for the data network:



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 line, DELTA miro, DELTA profil, DELTA style, DELTA natur.

DELTA fläche, as well as for installation in flush-mounting device boxes with 60 mm diameter and in silltype 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) in the DELTA line, DELTA miro, DELTA profil, DELTA style, DELTA natur, DELTA fläche switch/socket outlets ranges can be used for surface mounting all sockets.

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 telecommunications 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 equipment (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

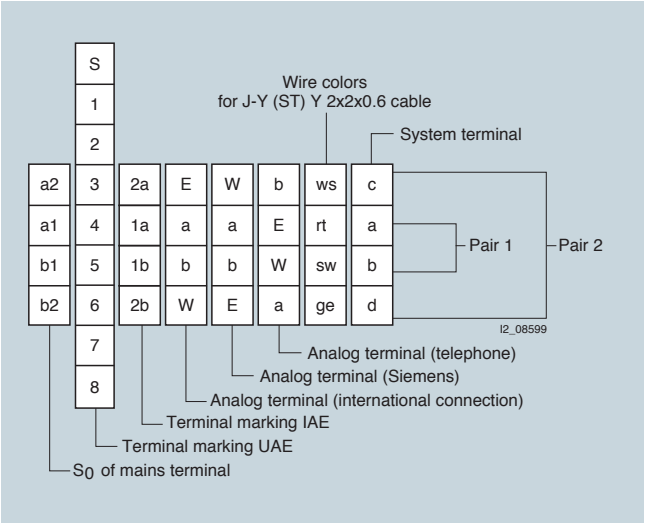
²⁾ TNC: Standard threaded connector

³⁾ Two twisted cables.

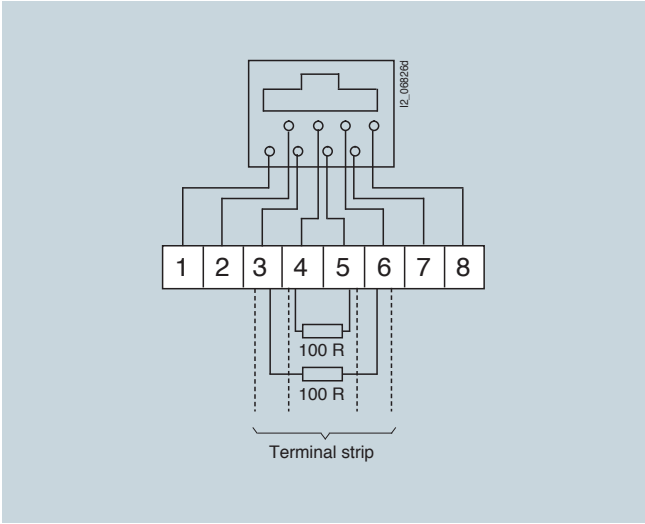
⁴⁾ ISDN: Integrated Services Digital Network

UAE outlet boxes

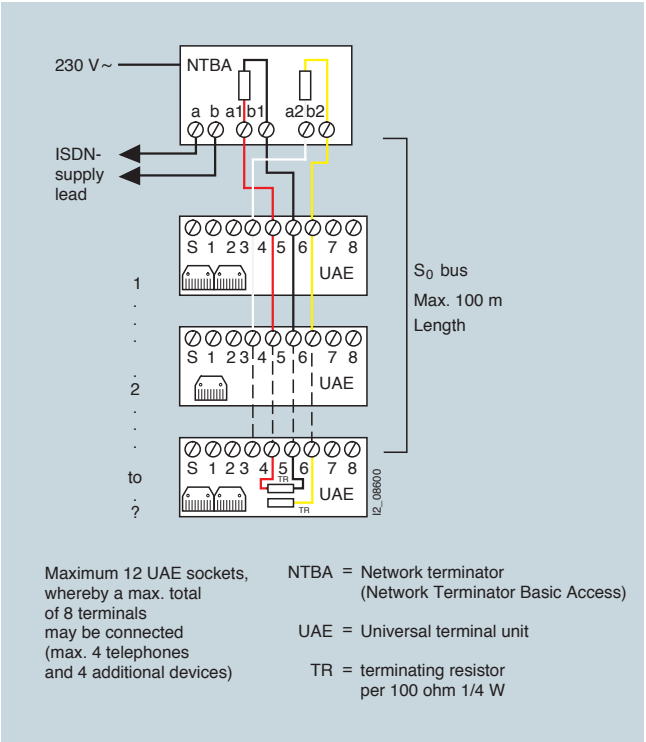
Overview



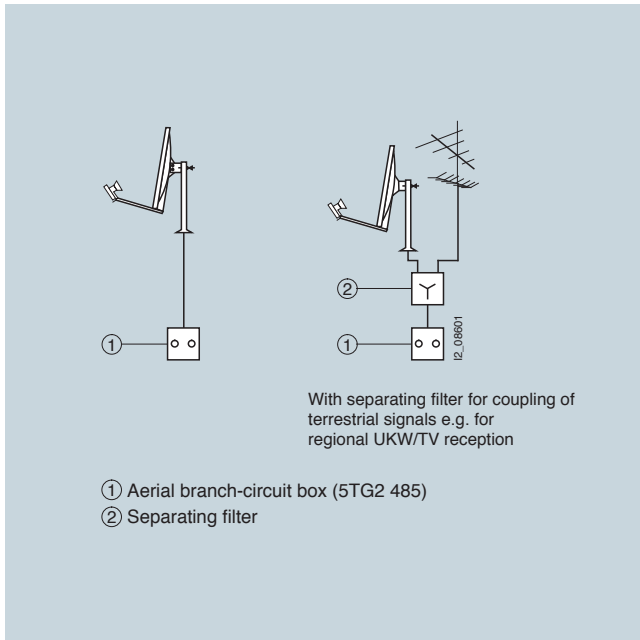
Color coding for analog and ISDN telephone



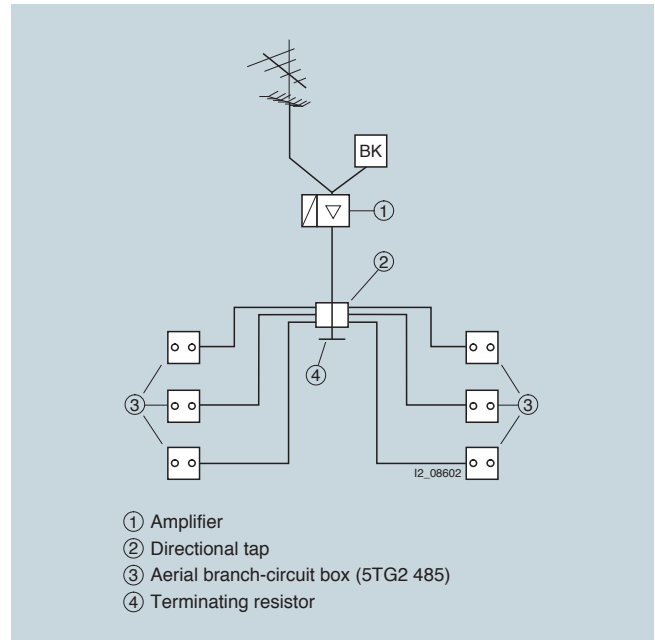
ISDN-telephone outlet boxes point-to-point with WE 8 or UAE 8



Schematics



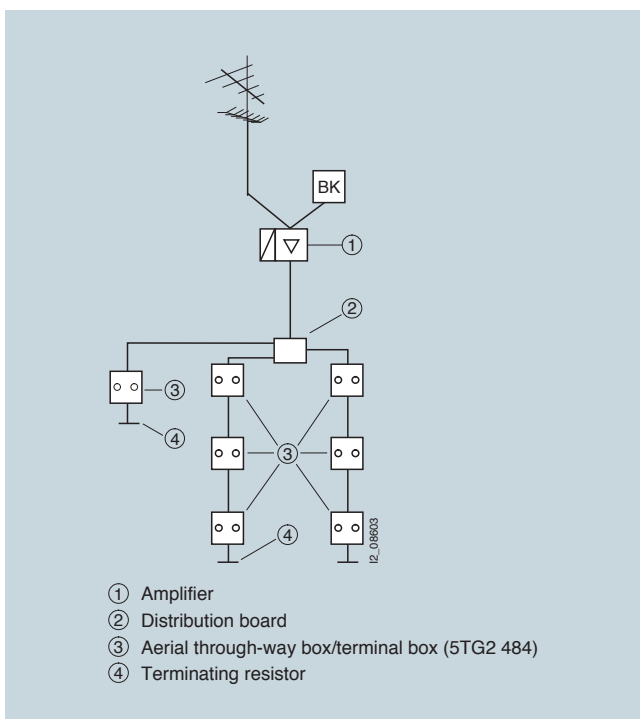
SAT aerial system with universal single LNB for analog and digital reception



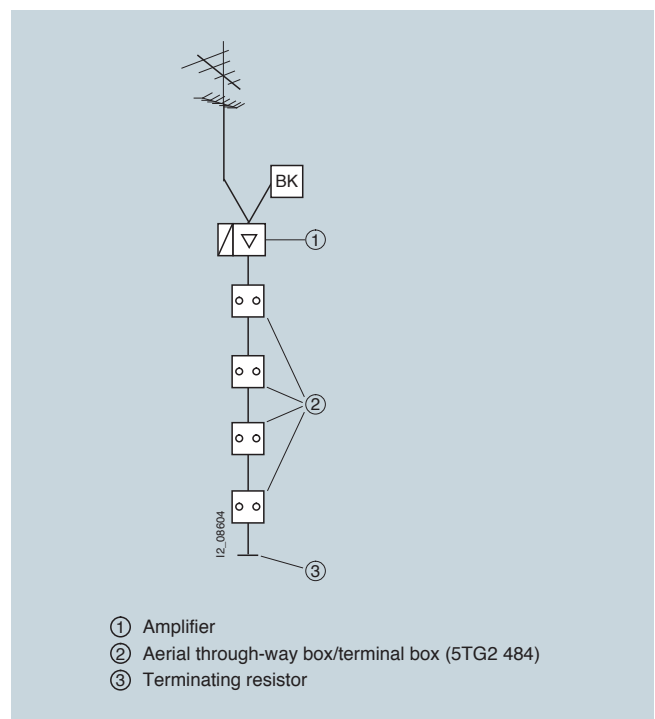
Aerial system, terrestrial and/or broadband cable in star structure

Aerial through-way boxes/terminal boxes (5TG2484)

Schematics



Aerial system, terrestrial and/or broadband cable in tree/star structure

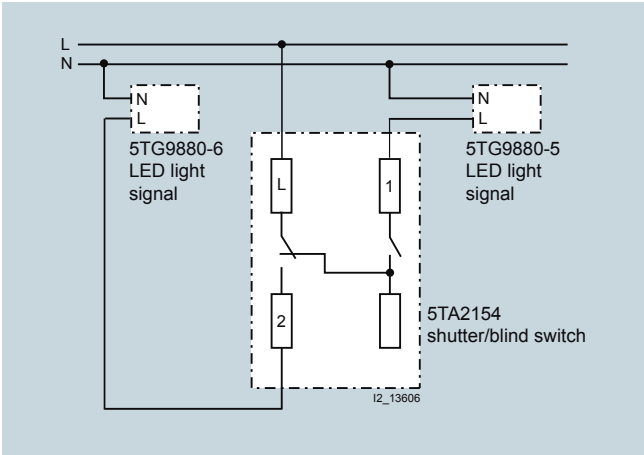


Aerial system, terrestrial and/or broadband cable in tree structure

LED light signals (5TG9880-x)

Overview

Use of LED light signals in a traffic signal function



Example of traffic signal function

Items required for traffic signal function and its control
(example DELTA line)

Individual parts	Order No.
Items required for traffic signal function	
• LED light signals, red, illuminated	5TG9880-5
• LED light signals, green, illuminated	5TG9880-6
• Module carriers, 2M, for DELTA line, titanium white, m-system	5TG2010
• Frames, 80-mm, single, titanium white, DELTA line	5TG2551-0
Items required for control of traffic signal function	
• Shutter/blind switches, with electrical and mechanical interlock	5TA2154
• Rockers, double, with labeling field, titanium white, i-system	5TG6212
• Frames, 80-mm, single, titanium white, DELTA line	5TG2551-0



17/2	Catalog notes
17/3	Ordering notes
17/4	Further documentation
17/8	Quality management
17/9	Siemens contacts
17/10	Service & Support
17/11	Comprehensive support from A to Z
17/12	Order number index
17/19	Conditions of sale and delivery

Overview

Trademarks

All product designations may be registered trademarks or product names of Siemens AG or supplier companies whose use by third parties for their own purposes may violate the rights of the owner.

Amendments

All technical data, dimensions and weights are subject to change without notice unless otherwise specified on the pages of this catalog.

Dimensions

All dimensions are in mm.

Images

The illustrations are not binding.

Technical data

The technical data in the catalog are for general information.

Further technical information is available at www.siemens.com/lowvoltage/support

- under Product List:
 - Technical specifications
- under Entry List:
 - Updates
 - Download
 - FAQ
 - Manuals
 - Characteristic curves
 - Certificates

Configurators can be found under www.siemens.com/lowvoltage/configurators

Assembly, operation and maintenance

The instruction manuals and the operating instructions on the products must be observed during assembly, operation and maintenance.

Logistics

General

With regard to delivery service, communications and environmental protection, our logistics service ensures "quality from the moment of ordering right through to delivery". By designing our infrastructure according to customer requirements and implementing electronic order processing, we have successfully optimized our logistics processes.

We are proud of our personal consulting service, on-time deliveries and 1-day transport within Germany.

To this end, we supply preferred types marked with } ex works.

We regard the ISO 9001 certification and consistent quality checks as an integral part of our services.

Electronic order processing is fast, cost-efficient and error-free. Please contact us if you want to benefit from these advantages.

Packaging, packing units

The packaging in which our equipment is dispatched provides protection against dust and mechanical damage during transport, thus ensuring that all our products arrive in perfect condition.

We select our packaging for maximum environmental compatibility and reusability (e.g. crumpled paper for protection during transport in packages up to 32 kg) and, in particular, with a view to reducing waste.

With our multi-unit and reusable packaging, we offer you specific types of packaging that are both kind to the environment and tailored to your requirements:

Your advantages at a glance:

- Lower order costs.
- Cost savings through uniform-type packaging: low/no disposal costs.
- Reduced time and cost thanks to short unpacking times.
- "Just-in-time" delivery directly to the production line helps reduce stock: cost savings through reduction of storage areas.
- Fast assembly thanks to supply in sets.
- Standard Euro boxes – corresponding to the Euro pallet modular system – suitable for most conveyor systems.
- Active contribution to environmental protection.

Unless stated otherwise in the "Selection and ordering data" of this catalog, our products are supplied individually packed.

For small parts/accessories, we offer you cost-effective packaging units as standard packs containing more than one item, e.g. 5, 10, 50 or 100 units. It is essential that whole number multiples of these quantities be ordered to ensure satisfactory quality of the products and problem-free order processing.

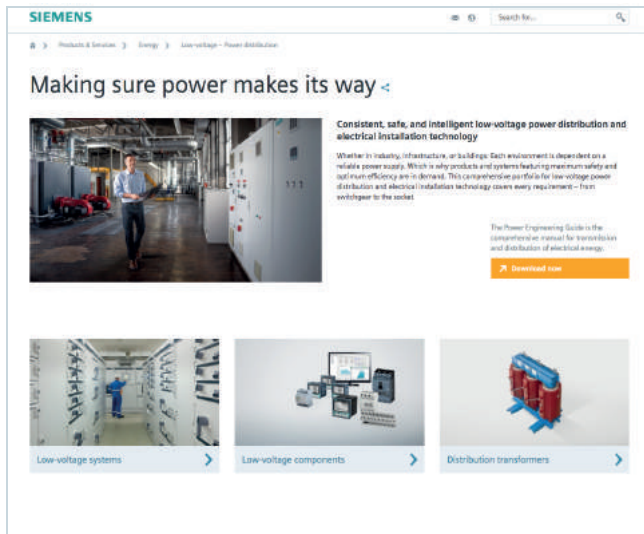
The products are delivered in a neutral carton. The label includes warning notices, the CE marking, and device descriptions in English and German.

In addition to the Article No. (MLFB) and the number of items in the packaging, the operating instructions article number (Instr.-Order-No.) is also specified. It can be obtained from your local Siemens representative (for a list of your Siemens contacts, see www.siemens.com/lowvoltage/contact).

Most device Article Nos. can be obtained by means of the EAN barcode to simplify ordering and storage logistics.

The associated master data, too, is available from your local Siemens representative.

Low-Voltage Power Distribution and Electrical Installation Technology on the WWW



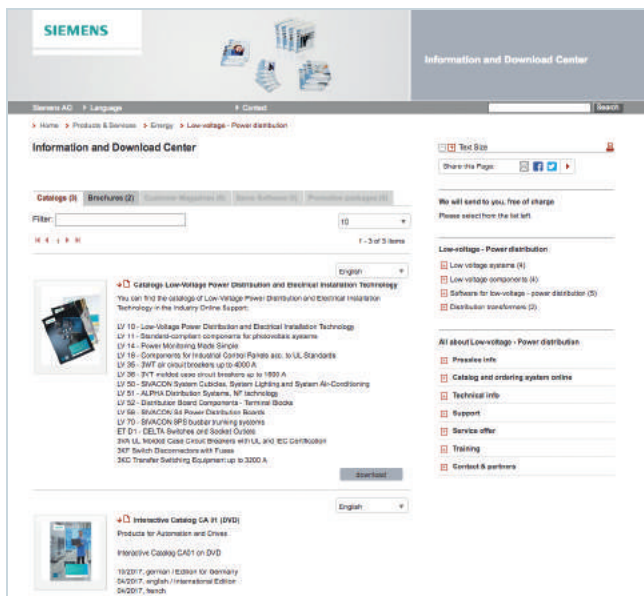
We regard product support to be just as important as the products and systems themselves.

Visit our website for a comprehensive offering of support for low-voltage power distribution and electrical installation products, such as:

- Overview of the entire product portfolio
- Keeping up to date via newsletters, podcasts, blogs and Twitter
- Access to interesting videos on YouTube
- Contact with partners around the world
- Operating instructions and manuals for direct download and much more – all conveniently and easily accessible.

www.siemens.com/lowvoltage

Information and Download Center

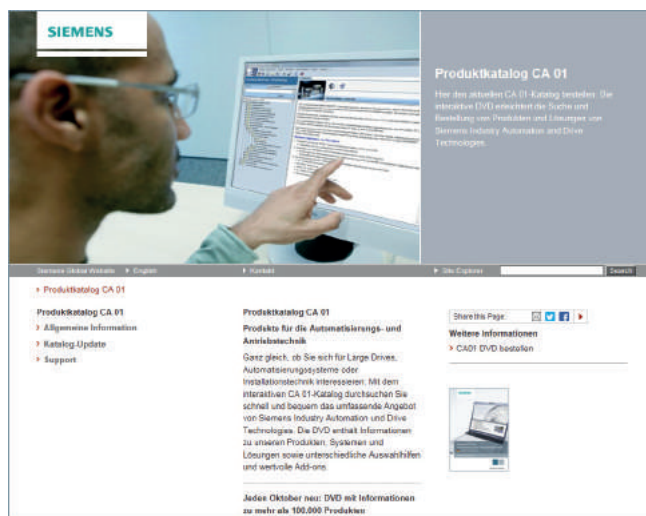


You will find regularly updated informational material (such as catalogs and brochures) for low-voltage power distribution and electrical installations on the Internet at

www.siemens.com/lowvoltage/infomaterial

Here you can order your copy of the available documentation or download it in common file formats (PDF, ZIP).

Product selection using the interactive catalog CA 01



Detailed information together with user-friendly interactive functions

The interactive catalog CA 01 covers more than 100,000 products, thus providing a comprehensive overview of the product range provided by Siemens.

You can find everything you need here for solving automation, switching, installation and drive technology tasks. All information is provided over a user interface that is both user-friendly and intuitive.

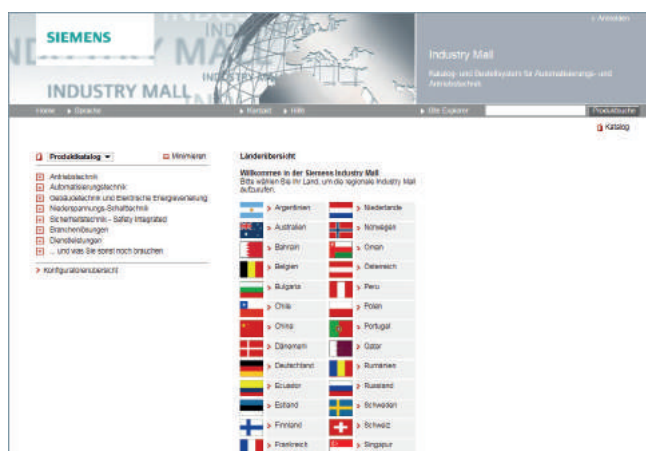
After selecting the product of your choice you can order at the press of a button, by fax or by online link.

Information about the interactive catalog CA 01 can be found on the Internet at:

www.siemens.com/automation/ca01

or on DVD.

Industry Mall



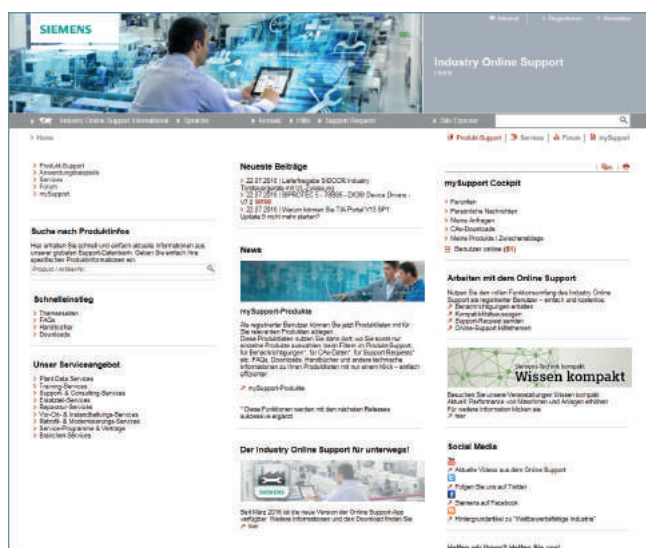
The Industry Mall – for online information, product selection and ordering

- Detailed information including product data, illustrations, certificates and CAx data
- Simple configuring of systems
- Possible to request individualized quotations
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Further documentation

Industry Online Support App



Main functions at a glance

- Scanning of product codes (EAN/QR and data matrix codes) with direct display of all technical information on the product, including graphic data (CAx data).
- Delivery of product information or entries by email, so that the information can immediately be processed at the workplace.
- Submission of queries to Technical Support (Support Requests). With photo function for transmitting detailed information.
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- Import of PDF documents into a library (e.g. iBooks or similar).

You can find information on the Industry Online Support App on the Internet at

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Android:



Apple iOS:



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Product configurator



Finding the right product faster

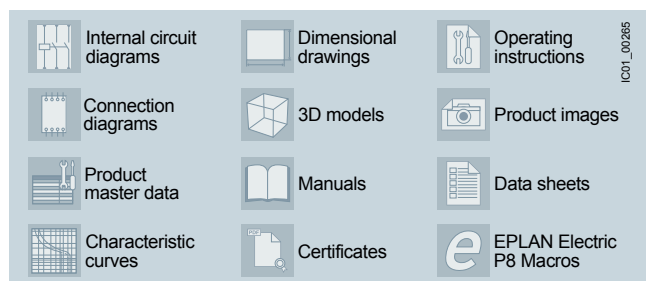
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- Simple, intuitive operation
- Option to save the configuration and order lists in a file format of your choice (txt, pdf, xls, csv)
- Direct transfer of the order list into the shopping cart of the Siemens Industry Mall
- Fast access to product data, diagrams, certificates and CAX data for the selected product and system configuration
- Available in multiple languages for use by customers anywhere in the world

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You can find our configurators at the following website:

www.siemens.com/lowvoltage/configurators

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You can find the CAX Download Manager on the Internet at

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The CAX Download Manager can supply you with all the necessary CAX file types for the products of your choice for use in all common CAE and CAD systems. The data contained in the files is continuously updated. The whole process involves only four selection steps and is free of charge. All your selected files are packed into a zip file which you can download for further use.

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* e.g. Low Voltage Directive 2006/95/EC and EC Machinery Directive 2006/42/EC

You can find My Documentation Manager on the Internet at

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User-friendly compilation of project-specific documentation

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- After generating the documentation, automatic translation into the desired language is possible
- Always up-to-the minute thanks to the Update function

Overview

The quality management system of our "Low Voltage & Products" Business Unit in the "Energy Management" Division complies with the international EN ISO 9001 standard.

The products and systems listed in this catalog are developed and manufactured using a certified quality management system in accordance with EN ISO 9001:2008.

Contacts for low-voltage power distribution and electrical installation technology



With low-voltage power distribution and electrical installation technology we consistently pursue one goal:

long-term improvement of your competitive ability.

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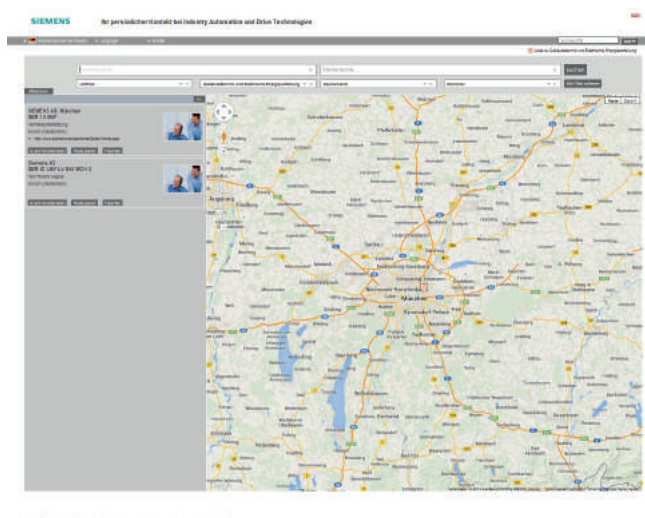
www.siemens.com/lowvoltage/contact

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- Required competence
- Product or sector
- Country
- City

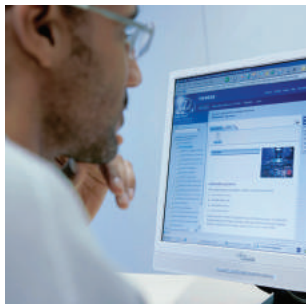
or by performing a

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- individual



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The Industry Online Support is a comprehensive information system for all questions relating to products, systems and solutions that Siemens has developed for industry over time.

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www.siemens.com/lowvoltage/product-support

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We are the hub and contact point for all German customers for the complete processing of the spare part, exchange and returned goods business, from the initial customer inquiry through to the settlement of invoices.

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- Exchange part deliveries
- Repairs, express repairs
- Buy-back
- Returning new parts
- Special processes subject to agreement

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Specification texts

You can obtain qualified, free support to help you produce specifications for technically equipping non-residential and industrial buildings at
www.siemens.com/specifications

Overview

Product information	
Website	Fast and targeted information about low-voltage power distribution: www.siemens.com/lowvoltage
Newsletter	Always up to date about our forward-looking products and systems: www.siemens.com/lowvoltage/newsletter
Product information/product & system selection	
Information and download center	Current catalogs, customer magazines, brochures, demo software and promotion packages: www.siemens.com/lowvoltage/infomaterial
Industry Mall	Comprehensive information and order platform for the Siemens Industry Basket: www.siemens.com/industrymall
Product- & System-Engineering	
SIMARIS Software tools	Support in planning and configuration the electrical power distribution: www.siemens.com/simaris
Engineering software ALPHA SELECT	Simple and fast configuration for distribution boards and meter cabinets with products from the Siemens Industry Basket: www.siemens.com/alpha-select
Product documentation	
Service & support portal	Comprehensive technical information - from planning to configuration and operation: www.siemens.com/lowvoltage/support
Cax Data	Collation of commercial and technical master product data: www.siemens.com/cax
Image database	Collection of product photographs and graphics, such as dimensional drawings and internal circuit diagrams: www.siemens.com/lowvoltage/bilddb
My Documentation Manager	Compilation of documentation from specific projects: https://www.automation.siemens.com/mdm/
Image Data Base	Collection of product pictures and graphics such as dimensional drawings and connection diagrams. http://www.automation.siemens.com/bilddb/
Product training	
SITRAIN Portal	Comprehensive training program about our products, systems and engineering tools: www.siemens.com/lowvoltage/training
Product hotline	
Technical support	Support in all technical queries about our products: E-mail: support.automation@siemens.com www.siemens.com/lowvoltage/technical-support

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