

merten

**INNOVATIONS
2008**

THERE IS A LOT TO DISCOVER...

INNOVATIONS 2008

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DOOR AND BUILDING COMMUNICATION

Welcome | TwinBus video flush-mounted intercom in 42 frame variants Page 6|7

Freedom of speech | TwinBus flush-mounted intercom and
TwinBus flush-mounted staircase intercom for the
highest standards Page 8|9



SYSTEM M SWITCH RANGE

Great variety | 1-M and ATELIER-M – classic design, new options Page 10|11

Highlight | Extra-glossy M-PLAN frames Page 12|13

Elegant | M-PLAN frames in new metal variants Page 14|15

Crystal clear | M-PLAN real glass frames in onyx black and brilliant white Page 16|17



ARGUS SMOKE DETECTOR SYSTEM

Increased safety | Flush-mounted system relay for ARGUS smoke detector Page 18|19





ARGUS MOVEMENT DETECTOR SYSTEM

Wireless | ARGUS movement detector system using radio technology

Page 20 | 21



CONNECT RADIO SYSTEM

In the mood | CONNECT flush-mounted, universal dimmer radio receiver

Page 22

Good to hold | CONNECT radio universal remote control

Page 23



KNX

Smart | Access to building system technology via Internet controller

Page 24 | 25

Power package | KNX power supply

Page 26 | 27

Weather the storm | KNX weather station for recording all weather data

Page 28

Mixed doubles | KNX brightness and temperature sensor

Page 29

Perfect climate | KNX fan coil actuator for heating, air conditioning and ventilation systems

Page 30

Combined | Room temperature control unit as a KNX solution

Page 31

Practical | Error reporting and remote control with Telecontroller Plus

Page 32

Accurate to the second | Cross-functional KNX timer

Page 33

**LOOK
WHO'S
TALKING**



PERFECT FRAME CONDITIONS FOR INTELLIGENT INTERCOM TECHNOLOGY

Intelligent, design-oriented solutions for all building system technology requirements – that's what your customers can expect from Merten. Now there is another reason to choose us: building communications technology in a Merten switch design. The perfect solution for anyone who values consistent design. From the plug socket right through to the building communications.

The centrepiece of Merten building communications technology: the TwinBus. With its 2-wire bus technology you can plan, install and combine building communications at the drop of a hat, and adjust it to new requirements as well. And the most important thing: develop new turnover potential.

TWINBUS VIDEO FLUSH-MOUNTED INTERCOM IN MERTEN SWITCH DESIGN

Convenience and security while receiving guests are becoming ever more important for your customers. It's good that the TwinBus video flush-mounted intercom in Merten switch design is available.

TwinBus video flush-mounted intercoms let your customers see who is at the door at a glance, without having to open the

door. And this in outstanding image and sound quality. The extremely slim design with 42 System M frame types to choose from meets all your design requirements. Equally impressive: the wide range of functions guarantees optimal convenience and maximum security.

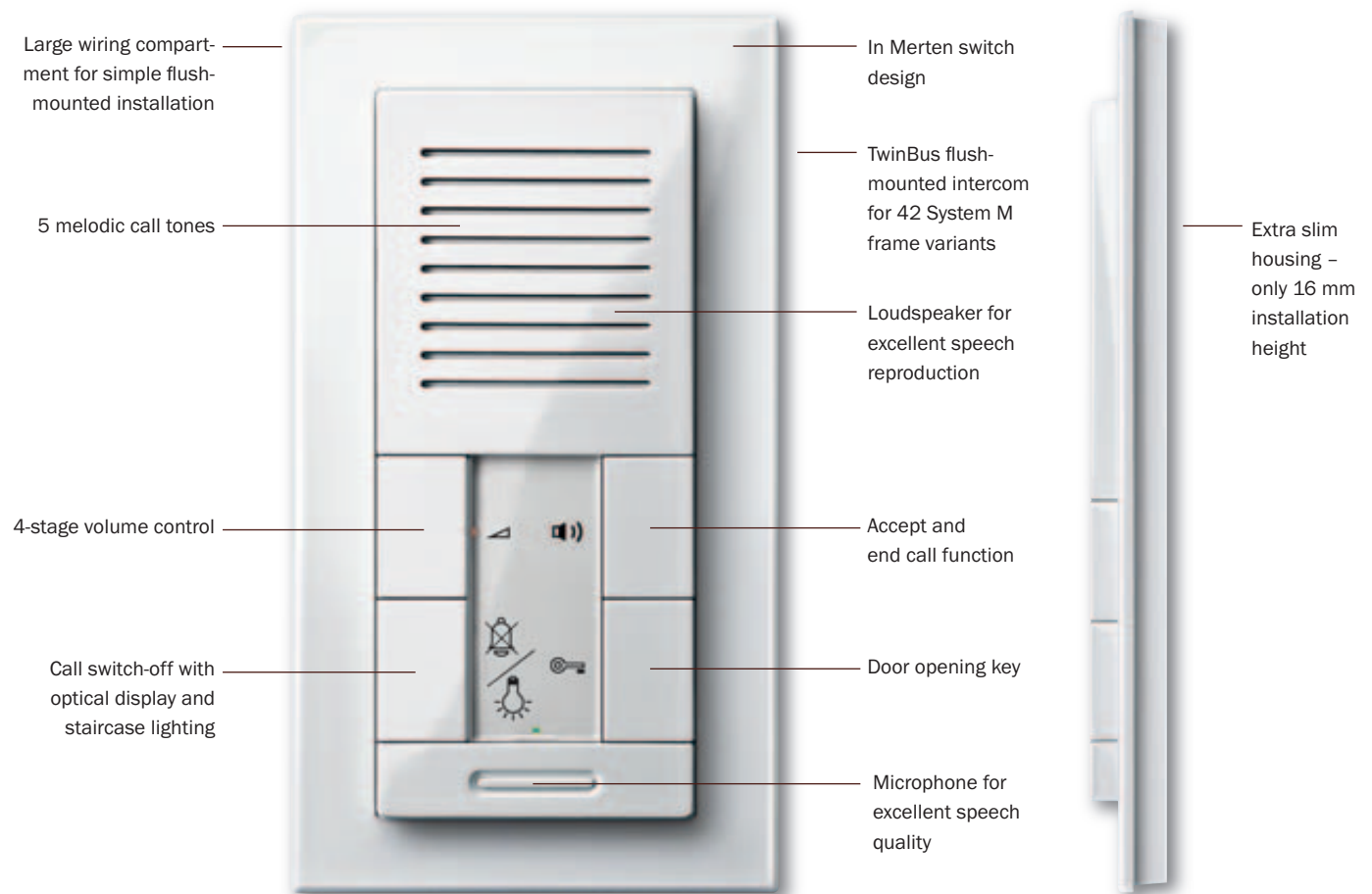


TWINBUS FLUSH-MOUNTED INTERCOM IN MERTEN SWITCH DESIGN DESIGN THAT SPEAKS VOLUMES



Whether the guests are welcome or not – with the new flush-mounted intercom in Merten switch design, you are simply offering your customers more security and convenience. The latest technology provides numerous useful functions. For instance, the Merten TwinBus flush-mounted intercom does

not require a handset. The speech quality is outstanding. The design is extremely slim and unrivalled in variety with 42 System M frame variants. Discover everything that speaks for the new TwinBus flush-mounted intercom in Merten switch design for yourself.

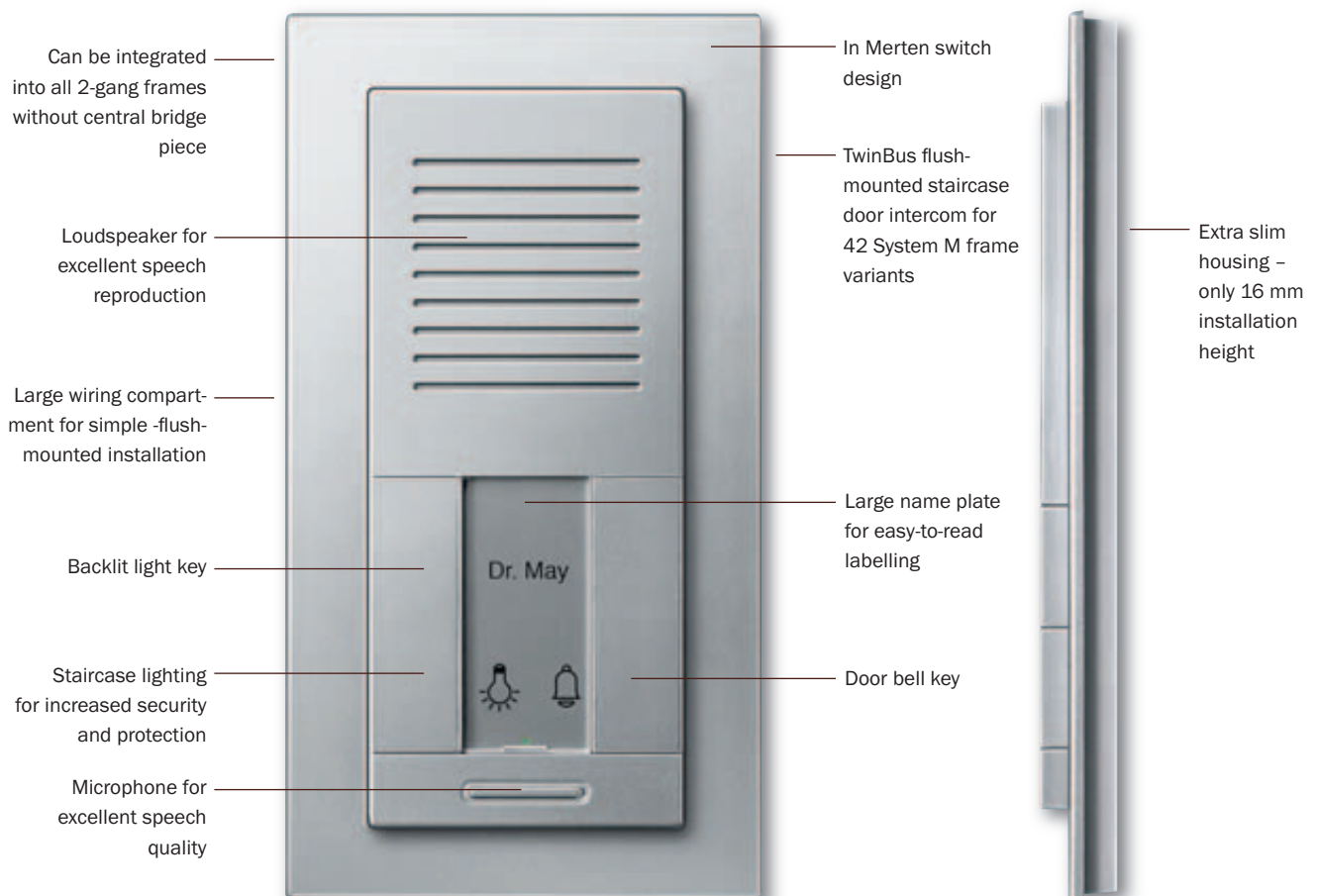


TWINBUS FLUSH-MOUNTED STAIRCASE DOOR INTERCOM IN MERTEN SWITCH DESIGN ENTER WITH MORE SECURITY



Whether a multi-storey office building, a medical centre or a housing complex – for increased security from staircase to office or flat, the TwinBus flush-mounted staircase intercom in Merten switch design is exactly the right solution. The module is installed at entrances to individual floors or directly at the front door, enabling intelligent hands-free conversation with

excellent speech quality. A plus for security which is now available in all System M frame variants. With this, Merten proves that intelligent building communication technology and high-quality switch design are perfectly suited to one another.



SYSTEM M | 1-M AND ATELIER-M MY NEW STANDARD



MINOR DIFFERENCE, MAJOR EFFECT

Your customers love the Merten classics M1 and ATELIER? Then we have good news for you. Merten has only slightly modified the frame design, but multiplied the range of applications at the same time. That means that now, with the new switch series 1-M and ATELIER-M, you can offer your customers the entire breadth of the System M range. What this means: more than 280 functions and the option of offering your customers even more intelligent Merten solutions. From LED light signals and high-quality KNX keys, right through to Merten's new CONNECT radio system.



A tried-and-tested design with new options:
1-M offers all the advantages of System M.

Evolution, not
revolution:
1-M emphasises the
dynamic transition
from frame to rocker.



1-M | ATELIER-M

Inserts/Colours:

- white
- polar white
- active white

A successful series continues:
the new ATELIER-M is now also available in System M.

A new interpretation of
a popular design:
ATELIER-M with a typical
concave silhouette.

SYSTEM M | M-PLAN AND M-PLAN II

HIGH-GLOSS APPEARANCE FOR M-PLAN



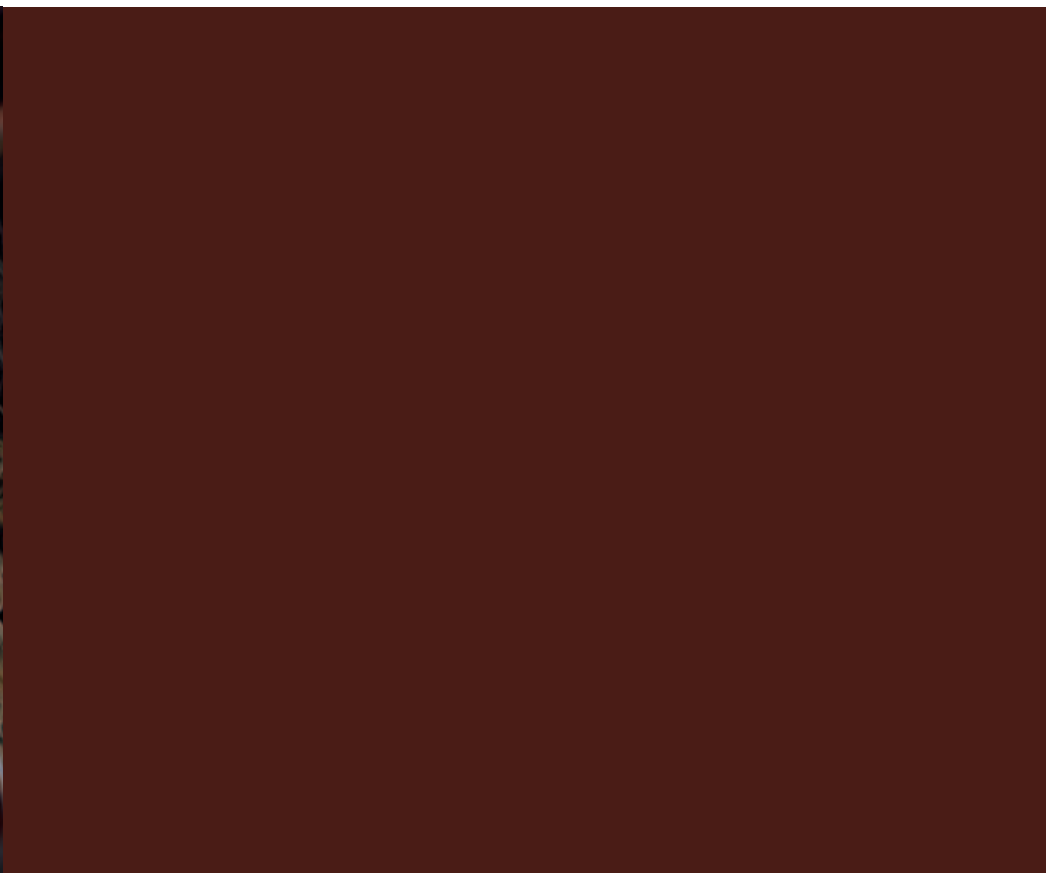
MORE HIGHLIGHTS IN SYSTEM M

Glossy surfaces reflect many customers' desire for clear and elegant design. Merten fulfills this desire with its M-PLAN product range. Previously available with a matte finish, the new glossy M-PLAN frame adds a stylish touch to any room. A highlight your customers should be aware of.

The new extra-glossy frames are available in the M-PLAN and M-PLAN II series.



Highlight your rooms:
M-PLAN frames in the extra-glossy version.



M-PLAN | M-PLAN II
Active white extra-glossy

M-PLAN | M-PLAN II
Polar white extra-glossy

M-PLAN
White extra-glossy

SYSTEM M | M-PLAN METAL FRAMES ELEGANT. METAL.



WHAT MAKES TIMELESS DESIGN UNMISTAKABLE?

Its shape, its colour, and not least its material are what makes a product unique. With the new M-PLAN metal frames, your customers are making a clear commitment: to pure aesthetics and exclusive taste. And this is reflected in three new frame variants:

- **Chrome:** creates a high-quality atmosphere
- **Rhodium grey:** emphasises an individual lifestyle
- **Platinum silver:** underscores an extravagant style



Bright prospects:
M-PLAN metal frame in an elegant chrome version.



A compliment to good taste:
M-PLAN metal frame in rhodium grey.



Make the switch to exclusivity:
M-PLAN metal frame in platinum silver.

BLACK



Stylish range of contrasts: the new M-PLAN real glass frame in onyx black.

SYSTEM M

M-PLAN REAL GLASS | GLASS SHOWS ITS NEW COLOURS

Stylish, elegant and perfect for customers who love contrast: the new M-PLAN real glass frame are presented in onyx black and brilliant white. That is exclusive design that opens up the unparalleled product range of System M, with over 280 functions.

WHITE



A crystal clear argument for design lovers:
the new M-PLAN real glass frame in brilliant white.

Can you think of a better compliment to good taste? Then make sure your customers know about this fascinating range of contrasts.

ARGUS SMOKE DETECTOR WITH SYSTEM
SECURITY THAT EXTENDS FURTHER





FLUSH-MOUNTED SYSTEM RELAY FOR ARGUS SMOKE DETECTOR 100 % MERTEN – 100 % SAFE

The ARGUS smoke detector is your bodyguard. Now Merten offers safety and security which extend even further, with the new flush-mounted system relay for ARGUS smoke detectors.

The system relay ensures that smoke alarms are forwarded to external signal sources such as sirens, flashlights or vibrating cushions via a make-contact. This occurs via radio or by connecting the 1 additional core to the 230 V network.

Another security plus: the relay can also forward an alarm signal to KNX or to the Merten CONNECT radio system. For example, when the alarm sounds, the lighting in the entire house is switched on. Or all the roller shutters can be raised.

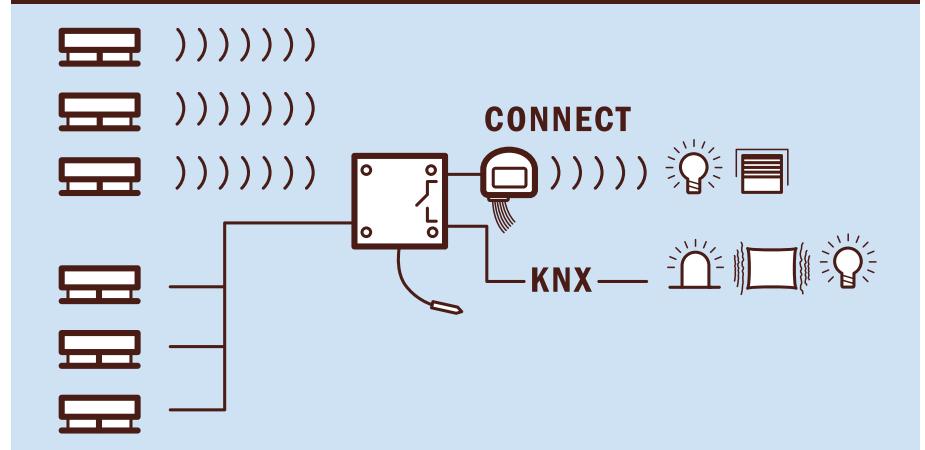
The highlights:

- Integration of external signal sources such as sirens, flashlights, vibrating cushions, etc.
- Space-saving flush mounting or in direct proximity to the connected signal sources
- Connection via 230 V power supply
- Up to 160 smoke detectors can be integrated in 16 radio cells
- Option of integrating into the Merten CONNECT radio system via a CONNECT radio transmitter
- Signal is forwarded to KNX installations via a binary input



As an invisible flush-mounted unit, this new system relay can be integrated simply into a radio or 230 V ARGUS smoke detector system.

IN THE INTEREST OF MORE SECURITY



More signal sources increase security.

ARGUS MOVEMENT DETECTOR SYSTEM

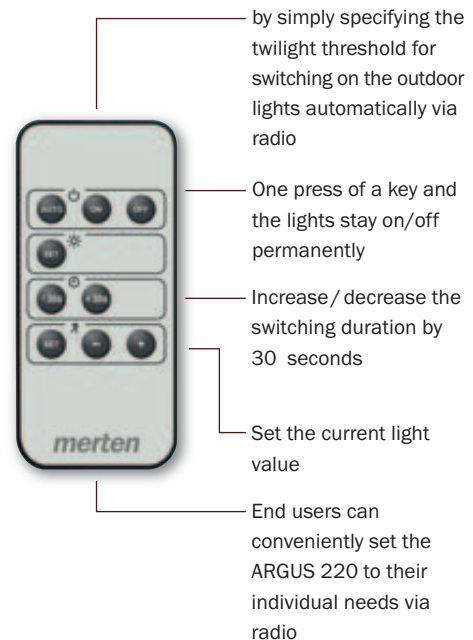
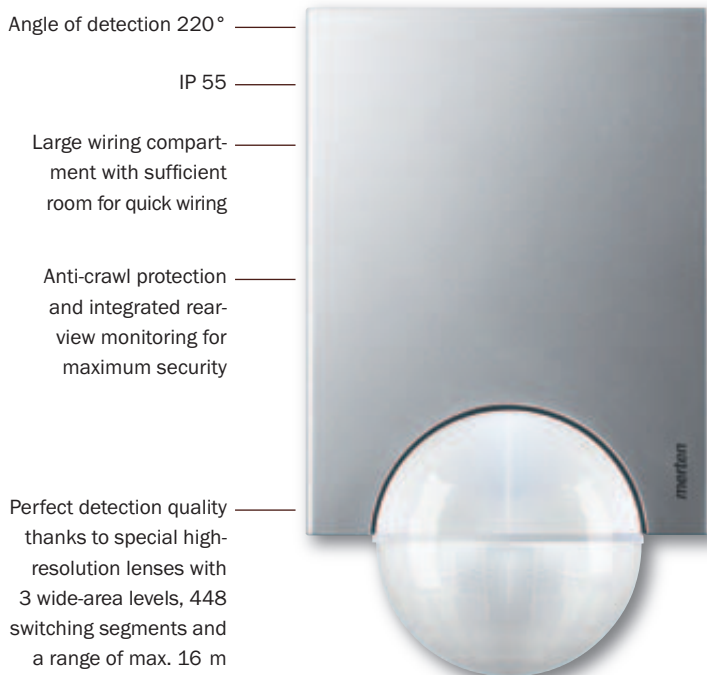
SECURE. CONVENIENT. REMOTE CONTROL.

ARGUS 220, REMOTE CONTROL THE PERFECT INDIVIDUAL SOLUTION

Movement detectors are the ideal solution for automatic all-round building protection. They bring light to precisely those dark places where extra security is necessary. This task is performed by our new ARGUS 220 movement detector, which is delivered in a set including a remote control. This means that you and your customers can simply set up and operate the movement detector via remote control. You can set the current light values and specify twilight thresholds without having to climb up a ladder.

The highlight: Radio ARGUS 220 Connect. It allows you to network up to 4 movement detectors or other components of the new Merten Connect radio system.

If you connect the ARGUS movement detector to other CONNECT radio receivers, when you arrive home the garage door opens automatically, the outside and garage lights are switched on, as is the hall light after a time delay if required. For even more security at home.





RADIO ARGUS 220 CONNECT THE IDEAL SECURITY NETWORK

Security and convenience don't have to come at the expense of appearance. That is proven by the numerous design awards our ARGUS movement detectors have won.

Angle of detection 220°

IP 55

Large wiring compartment with sufficient room for quick wiring

Anti-crawl protection and integrated rear-view monitoring for maximum security

Perfect detection quality thanks to special high-resolution lenses with 3 wide-area levels, 448 switching segments and a range of max. 16 m



by simply specifying the twilight threshold for switching on the outdoor lights automatically via radio

Network up to 4 movement detectors or other radio components

One press of a key and the lights stay on/off permanently

Increase / decrease the switching duration by 30 seconds

Set the current light value

End users can conveniently set the ARGUS 220 CONNECT to their individual needs via radio



CONNECT FLUSH-MOUNTED, UNIVERSAL DIMMER RADIO RECEIVER SET THE PERFECT SCENE



A convivial lighting mood for the evening? At the touch of a button from almost any position? Conveniently, without cables? The new Merten CONNECT flush-mounted, universal dimmer radio receiver does this simply and reliably. Because the Merten CONNECT radio system ensures the most reliable radio connections.

Whether in a ceiling socket-outlet or a flush-mounted box – the CONNECT flush-mounted, universal dimmer radio receiver can be remote controlled with all radio transmitters of the Merten CONNECT radio system. As a universal super dimmer, it is also equipped with automatic recognition for loads of 25 VA to 250 VA.



CONNECT flush-mounted, universal dimmer radio receiver, Art. no. 507900

CONNECT RADIO UNIVERSAL REMOTE CONTROL EVERYTHING UNDER CONTROL



Imagine you could control not only your television, DVD player and complete hifi system, but also building functions such as -lights and blinds, all with a single remote control.

to operate Merten CONNECT system devices at the same time. The remote control can also be used to teach and programme various radio applications.

Merten makes it happen – with the new CONNECT radio universal remote control. Its attractive design is impressive and it combines two kinds of technology in one device: infrared and radio. With it, up to five AV devices or all Merten IR components can be controlled via infrared. And it allows you

Infrared control of up to 5 AV devices

Remote control of all Merten IR components

Reliable lighting and blind control via the Merten CONNECT radio system

Programming with Easy Connect: connect up to 5 devices to one another directly via remote control – without software

Programming with Easy tool: the solution for more than five devices connected to the CONNECT radio configurator

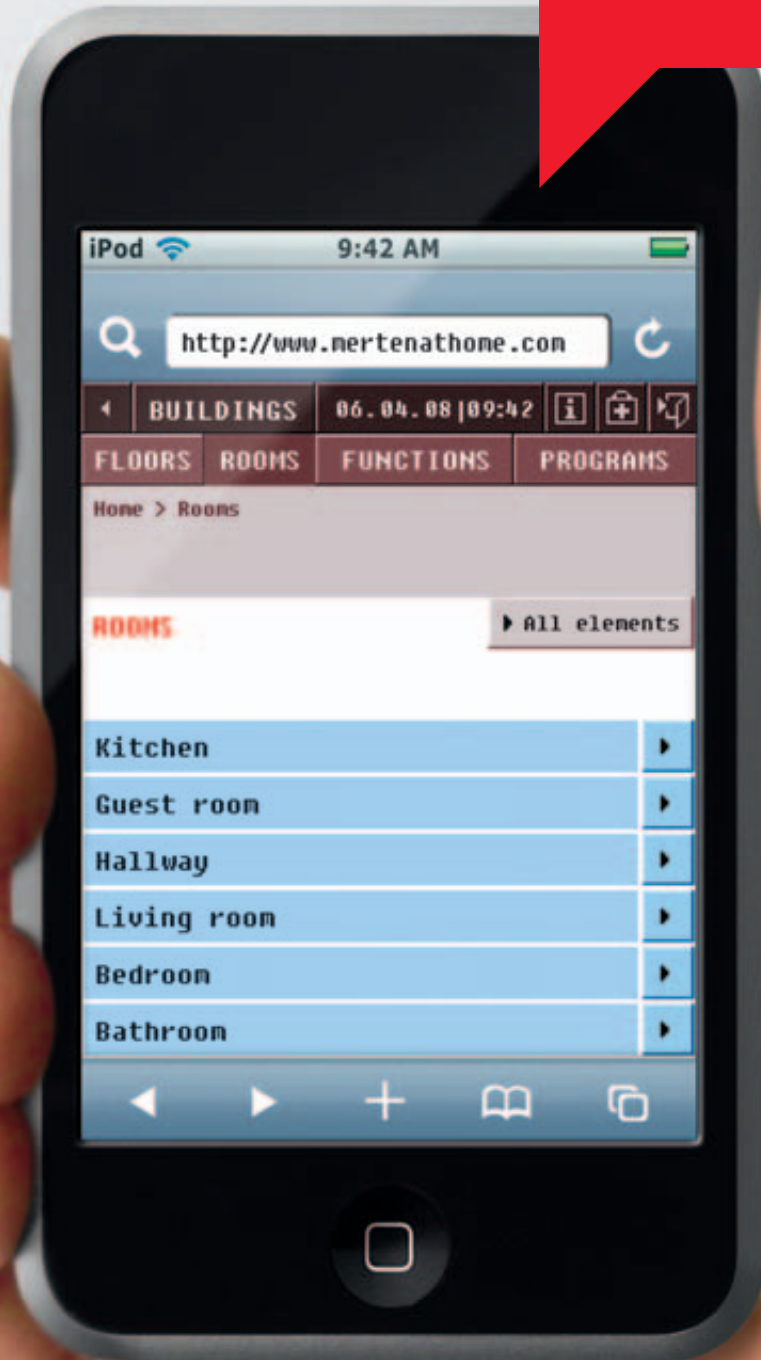


Individual names for the rooms and groups can be assigned and shown on the LCD-display (up to four rooms possible)

Scene control of 3 scenes per room

Individual programming of CONNECT radio push-buttons

**THE WHOLE
HOUSE IN
YOUR POCKET**



KNX INTERNET CONTROLLER IC1-V2 REG-K, MERTEN@HOME NOW PERFORMS EVEN BETTER

Wouldn't it be nice to set your underfloor heating to the perfect temperature via smartphone from the airport's W-LAN hotspot at the end of your business trip? Or you could view your monitoring system, messages and camera images from home in an Internet café while on holiday, just to make sure there are no problems? Or perhaps you want to activate your presence simulation using the touchscreen when you leave the house to go on holiday?

Nothing could be simpler - and these are just some of the many options for conveniently controlling building functions with the innovative merten@home user interface. Whether it be heating, lighting, blinds, your surveillance system or your domestic appliances.

The centrepiece of this technology is the Merten Internet controller, now presented in a new, enhanced version. It is more powerful and efficient than ever.

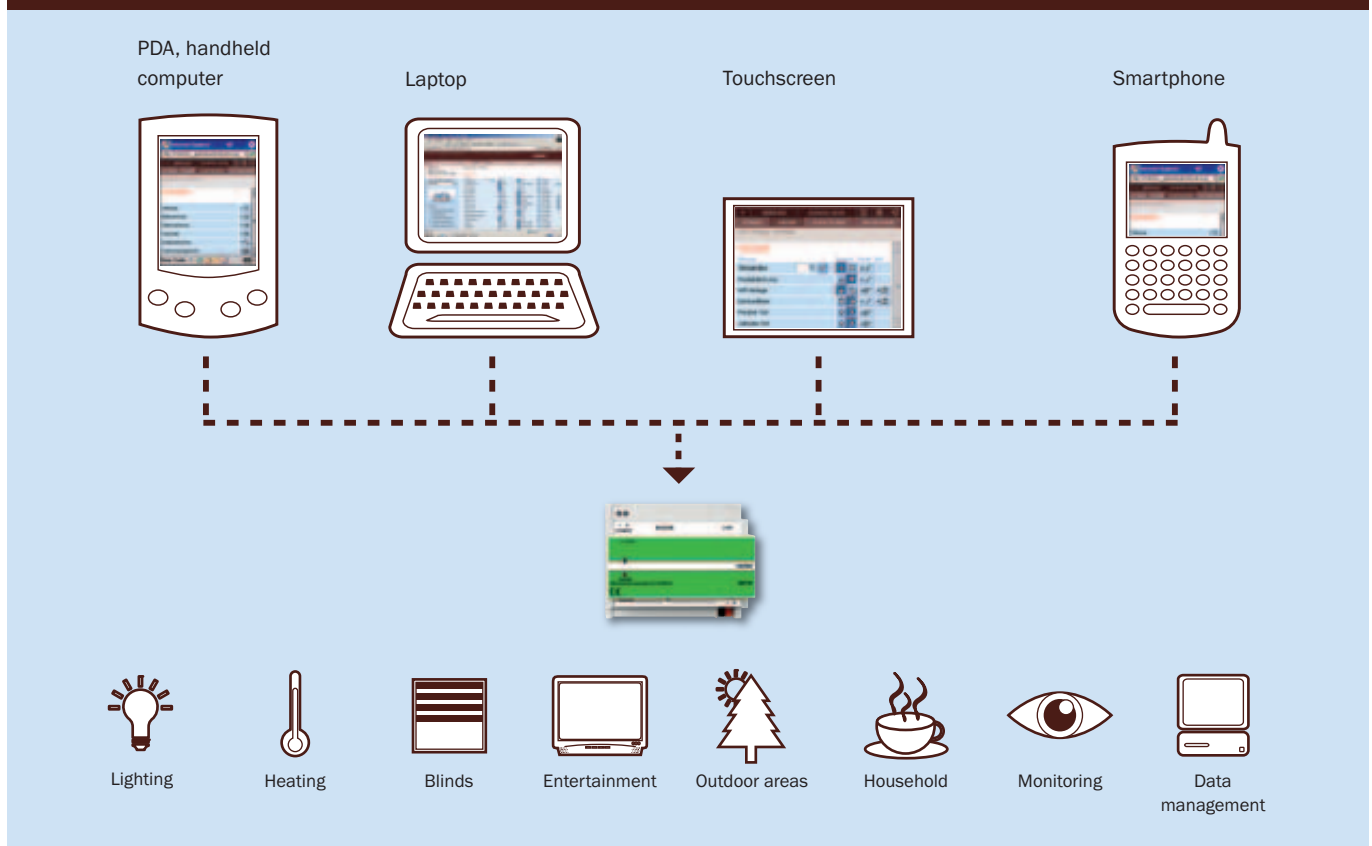


Higher performance: the new generation of Internet controllers, the KNX Internet controller IC1-V2 REG-K, merten@home

The highlights:

- Quicker access thanks to 25 % greater processor power
- Control via smartphone, PDA, PC or touch panel
- Even easier to operate
- Option of video transmission via webcam
- Up to 8 webcams can be integrated
- Compact, space-saving housing
- Low power consumption in standby mode




MERTEN@HOME: CONTROL A WIDE RANGE OF BUILDING FUNCTIONS USING A SINGLE USER INTERFACE



KNX POWER SUPPLY ALWAYS PROVIDES A SUITABLE SOLUTION

The requirements of KNX power supplies vary significantly according to the type and the scope of a construction project. Smaller projects require solutions with suitable dimensions, large projects rely on protection against power failures and reserves in case of expansion. Merten now offers you the perfect solution: with a new product family that covers all power classes.




A standard construction size of 4TE makes planning and retrofitting KNX power supplies significantly easier. The current KNX power supply series supplies 160 mA, 320 mA and 640 mA to one line of bus devices respectively, depending on the version. In addition to these basic versions, a KNX power supply with an emergency power input is also available for each current level. In combination with the optional emergency power supply, the Merten KNX power supplies are able to meet even the highest safety standards.

BUS POWER SUPPLY		
Power supply: 160 mA	Power supply: 320 mA	Power supply: 640 mA
		
Art. no. 684016	Art. no. 684032	Art. no. 684064



The highlights:

- Optional emergency power supply to buffer the bus voltage
- If a complete mains failure occurs, an external sealed lead battery (DC 12V) can be connected
- Emergency power operation with display for network voltage status, error status, battery status
- Optional binary input for forwarding status information to the bus and evaluating it centrally
- Suitable for use abroad thanks to reliable voltage values of between 110 and 230 volts
- Integrated choke to decouple the power supply from the KNX bus (applies to all models)
- Features a switch to disconnect the power and reset the bus devices on the respective line
- Easy network connection via plug-in screw terminals
- No data rails required for the bus contact (bus connecting terminal is sufficient)

UNIVERSAL BUS POWER SUPPLY		
Power supply with emergency power input: 160 mA	Power supply with emergency power input: 320 mA	Power supply with emergency power input: 640 mA
		
Art. no. 683816	Art. no. 683832	Art. no. 683890



KNX BASIC WEATHER STATION

ALL WEATHER DATA UNDER ONE UMBRELLA

Intelligent building technology processes and makes smart use of the daily weather data – whether to improve living comfort, increase security, or reduce energy costs. With the new Merten KNX Basic weather station, you are offering your customers the perfect solution for doing so. This device records weather data such as wind speed, rain, brightness and temperature, all under one umbrella.

Its functional principal is incredibly simple: the values measured by the Basic weather station are transmitted directly to the BUS via KNX, which can in turn control utilities such as heating, lighting, blinds or awnings on the basis of this data. It's practical: the KNX Basic weather station does not require an extra power supply. It is supplied directly with the bus voltage and 230 V AC.





KNX BRIGHTNESS AND TEMPERATURE SENSOR PERCEPTIBLY MORE EFFICIENT

Whether for lighting, heating, air conditioning or blinds – many KNX functions can now be regulated based on weather data such as brightness and outside temperature. The advantage is obvious: more efficiency, convenience and security. Now, with the new combi-sensor for brightness and temperature, you can offer your customers a smart solution that records both weather measurements using a single device. What's more, there is no need to lay extra cables as the module is connected directly to the BUS. It couldn't be simpler.

The highlights:

- For recording brightness and temperature
- Multi-level lighting controls adjustable via software
- Visualisation of brightness and outside temperature via IP touchpanel
- Option of controlling blinds and windows in conservatories and greenhouses (e.g. in high temperatures or bright sunlight)



A single device for measuring brightness and temperature: the new KNX brightness and temperature sensor from Merten.

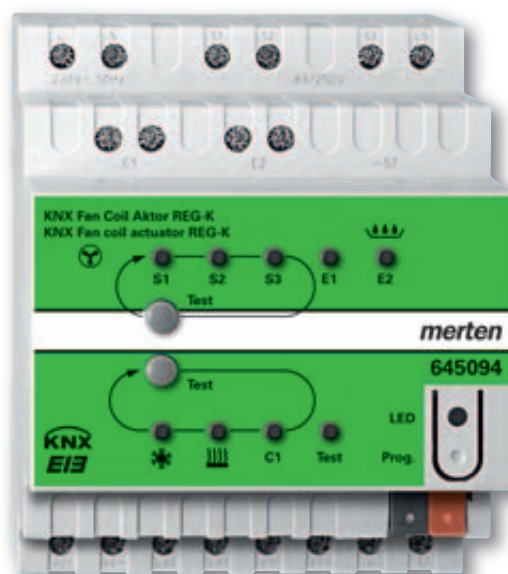
KNX FAN COIL ACTUATOR PERFECT CLIMATE WITH KNX



Larger buildings such as hotels, office blocks or clinics are faced with the challenge of controlling heating, air conditioning and ventilation for efficiency and comfort. Above all, operation needs to be made as simple as possible for users. An intelligent, compact solution for this: the KNX fan coil actuator from Merten. This allows, heating, air-conditioning and ventilation systems to be controlled centrally and conveniently. All of this is done with a single unit via multi-function push-buttons with a room temperature control unit from the Merten switch range.

The highlights:

- Control heating, air-conditioning and ventilation systems with a single device
- Operate using multi-function push-button with room temperature control unit
- Option of controlling warm water convector heaters
- Input for connecting window contacts for automatic frost or heat protection mode when a window is open
- For activating 2-step-valves and 3-step valves



One device, many options: The Merten KNX fan coil actuator connects heating, air-conditioning and ventilation systems to the KNX building system technology.

KNX ROOM TEMPERATURE CONTROL UNIT MORE ENERGY-EFFICIENT CONTROL



Individual temperature control for every room ensures that each room is the perfect temperature and helps to cut heating costs. The suitable solution: the new KNX room temperature control unit from Merten. The module controls individual heating valves or several at once, and is available in all System M and System Design colour variants.

Furthermore, a 4-gang push-button interface allows 4 conventional push-buttons to be integrated for dimming, switching, controlling blinds and retrieving scenes via KNX.

The highlights:

- Presence key for toggling between comfort and standby
- Temperature limiter for underfloor heating
- Optional connection for external temperature sensor
- Integrated 4-gang push-button interface
- Available in various System M and System Design colour variants
- Complete device with integrated bus coupler, so you only need to order one device, not two
- Comes with connection unit for easy installation



One controller with many options: the new KNX room temperature control unit from Merten.



TELECONTROLLER PLUS REG-K ALWAYS THERE WHEN YOU'RE OUT

Gone away for the weekend and accidentally left the oven on? That can happen to anyone. It's good to know that someone is keeping an eye on the house. And it doesn't have to be a friend or neighbour. The TELECONTROLLER PLUS REG-K from Merten takes care of reporting and correcting these kinds of mistakes. The module reliably reports faults in building technology and

corrects them via remote control. For instance, 6 loads can be switched on or off via the telephone network, and up to 6 alarm signals transmitted as a voice message, SMS, fax or e-mail to up to four freely selectable recipients. A clear safety plus you want your customers to know about.



Even when you're out it remains operational:
the TELECONTROLLER PLUS REG-K from Merten.

The highlights:

- Triggers a local alarm via vibrating cushion, horn, flashlight, etc. if messages from the Telecontroller Plus are not acknowledged
- Voice messages are acknowledged via DTMF telephone or DTMF hand transmitter
- The announcements can be recorded individually by the user
- Operation via a 20-digit, four-line LC display
- Integrated bus interface module for managing 20 KNX device functions for scenes, switch actuators and other communication objects
- Option of switching bus devices with 10 KNX device functions (output objects for 10 scenes, for example)
- Status of switch outputs is buffered in case of power failure
- Configuration via USB cable and software CD (included in delivery)



KNX TIMER PUNCTUALITY INCLUDED AS STANDARD

With the new Merten KNX timer, you are now providing your customers an efficient solution which ensures central, accurate to the second time control for the KNX bus. This has the option of operating in quartz mode, or of being synchronised to the DCF 77 signal of the Frankfurt atomic clock. Other

advantages such as the flexible programming of time zones and summer/winter time round off the diverse range of applications. Incidentally, the integrated lithium battery ensures that the KNX timer remains operational even during a power failure.

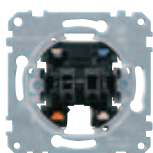
The highlights:

- The time transmitter is a clock which sends the time and date to the bus
- The clock can be set with the DCF signal or via the bus
- The time data can be sent cyclically or on request
- Time zones and summer/winter time can be programmed flexibly
- Integrated lithium battery so that operation continues in case of a power failure



Time signal for the Merten KNX REG-K timer

Switch and push-button inserts



Two-circuit control switch insert with N terminal

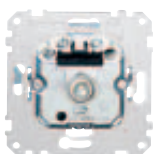
10 AX, AC 250 V

With plug-in terminals.

- ▣ **To be completed with:** Light attachment for multi switch art. no. 396176. Rocker for two-circuit switch with opening for symbols art. no. System M 4385..., 4375..., System Design 4135... Rocker for two-circuit switch with imprint and opening for symbols art. no. System M 4387..., 4377...

Version	Art. no.	PU	PG	Info
two-circuit	325500	10/50	1	NEW

Rotary dimmers



Dimmer insert for ohmic load

AC 230 V

For incandescent lamps and 230 V halogen lamps.

With pressure-operated one-way switch.

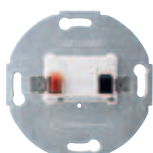
(Phase control).



- ▣ **To be completed with:** Central plate for rotary dimmer inserts, art. no. System M 5670..., 5699..., 5399..., System Basis 5723..., System Design 5720..., OCTOCOLOR 5726...

Version	Art. no.	PU	PG	Info
60-400 W	572199	1/50	8	NEW

TV/audio



Loudspeaker connection insert, 1-gang

The poles are labelled in different colours.

Conductor cross-section up to max. 10 mm².

With quick plug-in terminals. With screw terminals on the back.

- ▣ **To be completed with:** Central plate for telephone socket-outlet TAE, art. no. System M 2960..., 2979..., System Basis 2928..., System Design 2978..., OCTOCOLOR 2938...

Version	Art. no.	PU	PG	Info
polar white	466919	10/50	1	NEW
anthracite	466914	10/50	1	NEW

Accessories for universal inserts



Light attachment for two-circuit switch

AC 230 V, 2x1 mA

For lighting purposes.

- ▣ **To be completed with:** Rocker switch insert, art. no. 311500.
- ▣ **Contents:** With neon lamp.

Version	Art. no.	PU	PG	Info
	396276	1/150	1	NEW



Light attachment for multi switch

AC 230 V, 2x1 mA

For monitoring or lighting applications.

- ▣ **To be completed with:** Two-circuit control switch insert with N terminal, art. no. 325500. Roller shutter rocker switch insert with additional contact, art. no. 311502.

- ▣ **Contents:** With neon lamp.

Version	Art. no.	PU	PG	Info
	396176	1/150	1	NEW

TwinBus intercom stations



TwinBus flush-mounted video handsfree intercom unit

For TwinBus video intercom system with colour image.

Voice and visual communication to the door station, and opening the main door and/or door to the individual floors.

- Door opening key
- Key for staircase timer or call silencing
- Call silencing: The door call signal is visual
- Accept/end call function
- 1 freely configurable key for special function
- Speech and call tone volume control in 8 levels
- 8 call tones incl. 3-tone gong
- Call tone distinction for door/floor/internal
- Switching the video image on/off
- Camera selection, camera control unit
- Disable to prevent others listening/viewing
- Speak internally/8 switching commands (menu)
- Up to 10 door bell keys can be taught to the door stations
- Large wiring compartment
- Low mounting height (16 mm)

It is mounted on a conventional, flat, flush-mounted device box, DIN 49073, part 1.

Supply voltage: DC 18-24 V

Interface: USB (preconfiguration)

Output: 1, floating, 24V, 1A (for example, for external signal generator via call activation relay)

Display: 2.0" colour TFT, LED backlight

Operating elements: Cursor keys, door opening key, key for staircase timer/call silencing, accept/end call and special function

Dimensions: 197 x 55 mm (HxW)

▣ **To be completed with:** Frame 3-gang without central bridge piece, art. no. 1-M 3899..., ATELIER-M 3889..., M-SMART 4789..., 4849..., M-ARC 4859..., M-STAR 4709..., 4769..., 4869..., M-PLAN 4889..., M-PLAN glass 4779..., M-PLAN metal frame 4759...

▣ **Note:** Compatible with the Ritto TwinBus assortment.

Contents: TwinBus connecting terminal and videobus. Retaining ring and screws.

Availability: November 2008

Version	Art. no.	PU	PG	Info
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▣ **Thermoplastic brilliant**

white, glossy	700144	1/1	8.9	NEW
polar white, glossy	700119	1/1	8.9	NEW
active white, glossy	700125	1/1	8.9	NEW

▣ **Thermoplastic classy matt**

white	701144	1/1	8.9	NEW
polar white	701119	1/1	8.9	NEW
anthracite	701114	1/1	8.9	NEW
aluminium	701160	1/1	8.9	NEW

▣ **Duroplastic, highly scratch-resistant: With this article, use thermoplastic brilliant**



TwinBus flush-mounted hands-free intercom unit

For TwinBus intercom system.

Voice communication to the door station and opening the main door and/or door to the individual floor.

- Door opening key
- Key for staircase timer or call silencing
- Call silencing: The door call signal is visual
- Accept/end call function
- Speech and call tone volume control in 4 levels
- 5 call tones
- Call tone distinction for door/floor
- Disable listening-in
- Up to 10 door bell keys can be taught to the door stations
- Large wiring compartment
- Low mounting height (16 mm)

It is mounted on a conventional, flat, flush-mounted device box, DIN 49073, part 1.

Supply voltage: TwinBus

Power consumption when idle: max. 3 mA

Operating elements: Door opening key, key for the staircase light/call silencing, volume control, accept/end call

Dimensions: 126 x 55 mm (HxW)

▣ **To be completed with:** Frame 2-gang without central bridge piece, art. no. 1-M 3898..., ATELIER-M 3888..., M-SMART 4788..., 4848..., M-ARC 4858..., M-STAR 4668..., 4768..., 4868..., M-PLAN 4888..., M-PLAN glass 4878..., M-PLAN metal frame 4758...

▣ **Note:** Compatible with the Ritto TwinBus assortment.

Contents: TwinBus connecting terminal. Retaining ring and screws.

Availability: November 2008

Version	Art. no.	PU	PG	Info
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▣ **Thermoplastic brilliant**

white, glossy	700244	1/1	8.8	NEW
polar white, glossy	700219	1/1	8.8	NEW
active white, glossy	700225	1/1	8.8	NEW

▣ **Thermoplastic classy matt**

white	701244	1/1	8.8	NEW
polar white	701219	1/1	8.8	NEW
anthracite	701214	1/1	8.8	NEW
aluminium	701260	1/1	8.8	NEW

▣ **Duroplastic, highly scratch-resistant: With this article, use thermoplastic brilliant**

TwinBus door stations



TwinBus flush-mounted staircase door unit

For TwinBus intercom systems with voice communication to the intercoms.

The door station is installed inside, in front of the floor door or apartment door.

- Door bell key
- Key for staircase timer, can be switched off
- Volume for microphone and loudspeaker adjustable
- Large wiring compartment
- Large nameplate, can be replaced from the front
- Low mounting height (16 mm)

It is mounted on a conventional, flat, flush-mounted device box, DIN 49073, part 1.

Supply voltage: TwinBus

Operating elements: Door bell key, key for staircase timer

Dimensions: 126 x 55 mm (HxW)

- ▣ **To be completed with:** Frame 2-gang without central bridge piece, art. no. 1-M 3898.., ATELIER-M 3888.., M-SMART 4788.., 4848.., M-ARC 4858.., M-STAR 4668.., 4768.., 4868.., M-PLAN 4888.., M-PLAN glass 4878.., M-PLAN metal frame 4758..

- ▣ **Note:** Compatible with the Ritto TwinBus assortment.

Contents: TwinBus connecting terminal. Retaining ring and screws.

Availability: November 2008

Version	Art. no.	PU	PG	Info
---------	----------	----	----	------

▣ Thermoplastic brilliant

white, glossy	700544	1/1	8.8	NEW
polar white, glossy	700519	1/1	8.8	NEW
active white, glossy	700525	1/1	8.8	NEW

▣ Thermoplastic classy matt

white	701544	1/1	8.8	NEW
polar white	701519	1/1	8.8	NEW
anthracite	701514	1/1	8.8	NEW
aluminium	701560	1/1	8.8	NEW

- ▣ **Duroplastic, highly scratch-resistant: With this article, use thermoplastic brilliant**

Accessories



1-M frame, 3-gang without central bridge pieces

- ▣ **Availability:** November 2008

Version	Art. no.	PU	PG	Info
---------	----------	----	----	------

▣ Thermoplastic brilliant

white, glossy	389944	2/64	1	NEW
polar white, glossy	389919	2/64	1	NEW
active white, glossy	389925	2/64	1	NEW



ATELIER-M frames, 3-gang without central bridge pieces

- ▣ **Availability:** November 2008

Version	Art. no.	PU	PG	Info
---------	----------	----	----	------

▣ Thermoplastic brilliant

white, glossy	388944	2/64	1	NEW
polar white, glossy	388919	2/64	1	NEW
active white, glossy	388925	2/64	1	NEW



M-SMART frame, 3-gang without central bridge pieces

- ▣ **Availability:** November 2008

Version	Art. no.	PU	PG	Info
---------	----------	----	----	------

▣ Thermoplastic brilliant

white, glossy	478944	2/64	1	NEW
polar white, glossy	478919	2/64	1	NEW
active white, glossy	478925	2/64	1	NEW

▣ Thermoplastic classy matt

white	484944	2/64	1	NEW
polar white	484919	2/64	1	NEW

- ▣ **Duroplastic, highly scratch-resistant: With this article, use thermoplastic brilliant**



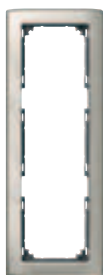
M-ARC frame, 3-gang without central bridge pieces

- ▣ **Availability:** November 2008

Version	Art. no.	PU	PG	Info
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▣ Thermoplastic classy matt

white	485944	2/64	1	NEW
polar white	485919	2/64	1	NEW
sand	485970	2/64	1	NEW
midnight blue	485978	2/64	1.1	NEW
anthracite	485914	2/64	1.1	NEW
aluminium	485960	2/64	1	NEW



M-STAR frame, 3-gang without central bridge pieces

Availability: November 2008

Version	Art. no.	PU	PG	Info
metallic				
satin silver/white	470944	2/64	1.1	NEW
satin silver/polar white	470919	2/64	1.1	NEW
satin silver/anthracite	470914	2/64	1.1	NEW
chrome/white	476944	2/64	1.1	NEW
chrome/polar white	476919	2/64	1.1	NEW
chrome/anthracite	476914	2/64	1.1	NEW
polished brass/white	486944	1/32	1.1	NEW
polished brass/polar white	486919	1/32	1.1	NEW
polished brass/anthracite	486914	1/32	1.1	NEW



M-PLAN frames, 3-gang without central bridge pieces

Availability: November 2008

Version	Art. no.	PU	PG	Info
Thermoplastic brilliant				
white, glossy	514944	2/64	1	NEW
polar white, glossy	514919	2/64	1	NEW
active white, glossy	514925	2/64	1	NEW
Thermoplastic classy matt				
white	488944	2/64	1	NEW
polar white	488919	2/64	1	NEW
anthracite	488914	2/64	1.1	NEW
aluminium	488960	2/64	1.1	NEW



M-PLAN real glass frames, 3-gang without central bridge pieces

Availability: November 2008

Version	Art. no.	PU	PG	Info
glass				
Brilliant white	477919	1/32	1.1	NEW
Onyx black	477903	1/32	1.1	NEW
Diamond silver	477960	1/32	1.1	NEW
Sapphire blue	477978	1/32	1.1	NEW
Ruby red	477906	1/32	1.1	NEW
Mahogany brown	477915	1/32	1.1	NEW



M-PLAN metal frame, 3-gang without central bridge pieces

Availability: November 2008

Version	Art. no.	PU	PG	Info
metallic				
Platinum silver	475960	1/32	1.1	NEW
Chrome	475939	1/32	1.1	NEW
Rhodium grey	475914	1/32	1.1	NEW

Switch rockers



Rocker with labelling field and control lamp

For permanent labelling.
For changeover switch, intermediate switch, push-button and control switch.

▣ **Contents:** 4 pictograms (1 service, 1 light, 1 bell, 1 neutral) per rocker.

Availability: June 2008

Version	Art. no.	PU	PG	Info
---------	----------	----	----	------

▣ Thermoplastic brilliant

white, glossy	434744	10/240	1	NEW
polar white, glossy	434719	10/240	1	NEW
active white, glossy	434725	10/240	1	NEW

▣ Thermoplastic classy matt

white	434644	10/240	1	NEW
polar white	434619	10/240	1	NEW
anthracite	434614	10/240	1.1	NEW
aluminium	434660	10/240	1.1	NEW

▣ **Duroplastic, highly scratch-resistant: With this article, use thermoplastic brilliant**



Rocker for two-circuit switch with opening for symbols

▣ **To be completed with:** Two-circuit control switch insert with N terminal, art. no. 325500 and light attachment for two-circuit control switch art. no. 396176. Rocker switch insert art. no. 311500 and light attachment for two-circuit control switch art. no. 396276.

Version	Art. no.	PU	PG	Info
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▣ Thermoplastic brilliant

white, glossy	438544	5/120	1	NEW
polar white, glossy	438519	5/120	1	NEW
active white, glossy	438525	5/120	1	NEW

▣ Thermoplastic classy matt

white	437544	5/120	1	NEW
polar white	437519	5/120	1	NEW
anthracite	437514	5/120	1.1	NEW
aluminium	437560	5/120	1.1	NEW

▣ **Duroplastic, highly scratch-resistant: With this article, use thermoplastic brilliant**



Rocker for two-circuit switch with imprint and opening for symbols

Rocker with imprint of bell crossed through / chambermaid.

▣ **To be completed with:** Two-circuit control switch insert with N terminal, art. no. 325500 and light attachment for two-circuit control switch art. no. 396176. Rocker switch insert art. no. 311500 and light attachment for two-circuit control switch art. no. 396276. Roller shutter rocker switch insert with additional contact, art. no. 311502. Roller shutter rocker switch insert, art. no. 311501. Rocker switch insert, two-circuit, art. no. 311500, 311601, 315902.

Version	Art. no.	PU	PG	Info
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▣ Thermoplastic brilliant

polar white, glossy	438719	5/120	1	NEW
active white, glossy	438725	5/120	1	NEW

▣ Thermoplastic classy matt

polar white	437719	5/120	1	NEW
aluminium	437760	5/120	1	NEW

▣ **Duroplastic, highly scratch-resistant: With this article, use thermoplastic brilliant**



Rocker with control lamp

For control switch and push-button insert.

▣ **Availability:** September 2008

Version	Art. no.	PU	PG	Info
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▣ Thermoplastic brilliant

white, glossy	436044	5/225	1	NEW
polar white, glossy	436019	5/225	1	NEW
active white, glossy	436025	5/225	1	NEW

▣ Thermoplastic classy matt

white	431044	5/225	1	NEW
polar white	431019	5/225	1	NEW
anthracite	431014	5/225	1.1	NEW
aluminium	431060	5/225	1.1	NEW

▣ **Duroplastic, highly scratch-resistant: With this article, use thermoplastic brilliant**



Rocker with control lamp and Light imprint

For control switch and push-button insert.

▣ **Availability:** September 2008

Version	Art. no.	PU	PG	Info
---------	----------	----	----	------

▣ Thermoplastic brilliant

white, glossy	435944	5/225	1	NEW
polar white, glossy	435919	5/225	1	NEW
active white, glossy	435925	5/225	1	NEW

▣ Thermoplastic classy matt

white	430944	5/225	1	NEW
polar white	430919	5/225	1	NEW
anthracite	430914	5/225	1.1	NEW
aluminium	430960	5/225	1.1	NEW

▣ **Duroplastic, highly scratch-resistant: With this article, use thermoplastic brilliant**



Rocker with control lamp and Bell imprint

For control switch and push-button insert.

Availability: September 2008

Version	Art. no.	PU	PG	Info
---------	----------	----	----	------

Thermoplastic brilliant

white, glossy	435844	5/225	1	NEW
polar white, glossy	435819	5/225	1	NEW
active white, glossy	435825	5/225	1	NEW

Thermoplastic classy matt

white	430844	5/225	1	NEW
polar white	430819	5/225	1	NEW
anthracite	430814	5/225	1.1	NEW
aluminium	430860	5/225	1.1	NEW

Duroplastic, highly scratch-resistant: With this article, use thermoplastic brilliant



Rocker with control lamp and Key imprint

For control switch and push-button insert.

Availability: September 2008

Version	Art. no.	PU	PG	Info
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Thermoplastic brilliant

white, glossy	435344	5/225	1	NEW
polar white, glossy	435319	5/225	1	NEW
active white, glossy	435325	5/225	1	NEW

Thermoplastic classy matt

white	430744	5/225	1	NEW
polar white	430719	5/225	1	NEW
anthracite	430714	5/225	1.1	NEW
aluminium	430760	5/225	1.1	NEW

Duroplastic, highly scratch-resistant: With this article, use thermoplastic brilliant



Rocker with control lamp and Socket-outlet imprint

For control switch and push-button insert.

Availability: September 2008

Version	Art. no.	PU	PG	Info
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Thermoplastic brilliant

white, glossy	435244	5/225	1	NEW
polar white, glossy	435219	5/225	1	NEW
active white, glossy	435225	5/225	1	NEW

Thermoplastic classy matt

white	431744	5/225	1	NEW
polar white	431719	5/225	1	NEW
anthracite	431714	5/225	1.1	NEW
aluminium	431760	5/225	1.1	NEW

Duroplastic, highly scratch-resistant: With this article, use thermoplastic brilliant



Rocker with control lamp and Heating emergency switch imprint

To be completed with: Rocker switch insert, art. no. 325200, 325600, 311300.

Availability: September 2008

Version	Art. no.	PU	PG	Info
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Thermoplastic brilliant

white, glossy	435144	5/225	1	NEW
polar white, glossy	435119	5/225	1	NEW
active white, glossy	435125	5/225	1	NEW

Thermoplastic classy matt

white	431844	5/225	1	NEW
polar white	431819	5/225	1	NEW
anthracite	431814	5/225	1.1	NEW
aluminium	431860	5/225	1.1	NEW

Duroplastic, highly scratch-resistant: With this article, use thermoplastic brilliant

SCHUKO® socket-outlets and accessories



SCHUKO socket-outlet insert with improved protection against accidental contact

16 A, AC 250 V, DIN 49440

Integrated, improved protection against accidental contact in accordance with VDE 0620 Part 1 (replaces the previous designation "child protection").

With screw terminals.

Availability: August 2008

Version	Art. no.	PU	PG	Info
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Thermoplastic brilliant

white, glossy	277444	10/50	1	NEW
polar white, glossy	277419	10/50	1	NEW
active white, glossy	277425	10/50	1	NEW

Thermoplastic classy matt

white	275444	10/50	1	NEW
polar white	275419	10/50	1	NEW
anthracite	275414	10/50	1.1	NEW
aluminium	275460	10/50	1.1	NEW

Duroplastic, highly scratch-resistant: With this article, use thermoplastic brilliant



SCHUKO socket-outlet insert 45° with improved protection against accidental contact

16 A, AC 250 V, DIN 49440

Integrated, improved protection against accidental contact in accordance with VDE 0620 Part 1 (replaces the previous designation "child protection").

With plug-in terminals.

Version	Art. no.	PU	PG	Info
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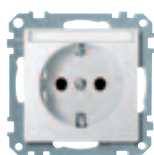
Thermoplastic brilliant

white, glossy	249544	10/50	1	NEW
polar white, glossy	249519	10/50	1	NEW
active white, glossy	249525	10/50	1	NEW

Thermoplastic classy matt

white	248544	10/50	1	NEW
polar white	248519	10/50	1	NEW
anthracite	248514	10/50	1.1	NEW
aluminium	248560	10/50	1.1	NEW

▣ **Duroplastic, highly scratch-resistant: With this article, use thermoplastic brilliant**



SCHUKO socket-outlet insert with hinged lid and improved protection against accidental contact.

16 A, AC 250 V, DIN 49440

Integrated, improved protection against accidental contact in accordance with VDE 0620 Part 1 (replaces the previous designation "child protection").

To be labelled with labelling strips.

With plug-in terminals.

▣ **Accessories:** Labelling strip art. no. 230900

Version	Art. no.	PU	PG	Info
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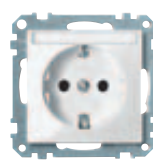
Thermoplastic brilliant

white, glossy	239944	10/50	1	NEW
polar white, glossy	239919	10/50	1	NEW
active white, glossy	239925	10/50	1	NEW

Thermoplastic classy matt

white	230944	10/50	1	NEW
polar white	230919	10/50	1	NEW
anthracite	230914	10/50	1.1	NEW
aluminium	230960	10/50	1.1	NEW

▣ **Duroplastic, highly scratch-resistant: With this article, use thermoplastic brilliant**



SCHUKO socket-outlet insert with hinged lid and improved protection against accidental contact.

16 A, AC 250 V, DIN 49440

Integrated, improved protection against accidental contact in accordance with VDE 0620 Part 1 (replaces the previous designation "child protection").

With screw terminals.

▣ **Accessories:** Labelling strip art. no. 230900

Version	Art. no.	PU	PG	Info
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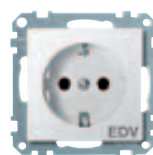
Thermoplastic brilliant

white, glossy	278944	10/50	1	NEW
polar white, glossy	278919	10/50	1	NEW
active white, glossy	278925	10/50	1	NEW

Thermoplastic classy matt

white	275944	10/50	1	NEW
polar white	275919	10/50	1	NEW
anthracite	275914	10/50	1.1	NEW
aluminium	275960	10/50	1.1	NEW

▣ **Duroplastic, highly scratch-resistant: With this article, use thermoplastic brilliant**



SCHUKO socket-outlet insert with EDP imprint and improved protection against accidental contact

16 A, AC 250 V, DIN 49440

With plug-in terminals.

▣ **Availability:** August 2008

Version	Art. no.	PU	PG	Info
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Thermoplastic brilliant

white, glossy	249344	10/50	1	NEW
polar white, glossy	249319	10/50	1	NEW
active white, glossy	249325	10/50	1	NEW

Thermoplastic classy matt

white	249444	10/50	1	NEW
polar white	249419	10/50	1	NEW
anthracite	249414	10/50	1.1	NEW
aluminium	249460	10/50	1.1	NEW

▣ **Duroplastic, highly scratch-resistant: With this article, use thermoplastic brilliant**



SCHUKO socket-outlet insert with labelling field and control lamp

16 A, AC 250 V, DIN 49440

Integrated, improved protection against accidental contact in accordance with VDE 0620 Part 1 (replaces the previous designation "child protection").

Control lamp can be replaced from the front.

With plug-in terminals.

With claw and screw fixing.

Contents: With neon lamp.

Version	Art. no.	PU	PG	Info
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Thermoplastic brilliant

white, glossy	249944	10/50	1	NEW
polar white, glossy	249919	10/50	1	NEW
active white, glossy	249925	10/50	1	NEW

Thermoplastic classy matt

white	240944	10/50	1	NEW
polar white	240919	10/50	1	NEW
anthracite	240914	10/50	1.1	NEW
aluminium	240960	10/50	1.1	NEW

Duroplastic, highly scratch-resistant: With this article, use thermoplastic brilliant



SCHUKO socket-outlet insert with hinged lid and labelling field

16 A, AC 250 V, DIN 49440

Integrated, improved protection against accidental contact in accordance with VDE 0620 Part 1 (replaces the previous designation "child protection").

With hinged lid and labelling field.

With plug-in terminals.

With claw and screw fixing.

Version	Art. no.	PU	PG	Info
---------	----------	----	----	------

Thermoplastic brilliant

white, glossy	248344	10/50	1	NEW
polar white, glossy	248319	10/50	1	NEW
active white, glossy	248325	10/50	1	NEW

Thermoplastic classy matt

white	247444	10/50	1	NEW
polar white	247419	10/50	1	NEW
anthracite	247414	10/50	1.1	NEW
aluminium	247460	10/50	1.1	NEW

Duroplastic, highly scratch-resistant: With this article, use thermoplastic brilliant



SCHUKO socket-outlet insert with hinged lid, labelling field and control lamp

16 A, AC 250 V, DIN 49440

Integrated, improved protection against accidental contact in accordance with VDE 0620 Part 1 (replaces the previous designation "child protection").

Control lamp can be replaced from the front.

With hinged lid and labelling field.

With plug-in terminals.

With claw and screw fixing.

Contents: With neon lamp.

Version	Art. no.	PU	PG	Info
---------	----------	----	----	------

Thermoplastic brilliant

white, glossy	248444	10/50	1	NEW
polar white, glossy	248419	10/50	1	NEW
active white, glossy	248425	10/50	1	NEW

Thermoplastic classy matt

white	247544	10/50	1	NEW
polar white	247519	10/50	1	NEW
anthracite	247514	10/50	1.1	NEW
aluminium	247560	10/50	1.1	NEW

Duroplastic, highly scratch-resistant: With this article, use thermoplastic brilliant



SCHUKO socket-outlet insert 45° with labelling field and improved protection against accidental contact

16 A, AC 250 V, DIN 49440

Integrated, improved protection against accidental contact in accordance with VDE 0620 Part 1 (replaces the previous designation "child protection").

For SV (safety power supply) and ZSV (additional safety power supply).

With plug-in terminals.

Note: The bases are marked to match the colour of the cover.

Version	Art. no.	PU	PG	Info
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Thermoplastic brilliant

ruby red	249606	10/50	1	NEW
SV, green	249604	10/50	1	NEW
additional safety power supply, orange	249602	10/50	1	NEW



SCHUKO socket-outlet insert with hinged lid and improved protection against accidental contact.

16 A, AC 250 V, DIN 49440

Integrated, improved protection against accidental contact in accordance with VDE 0620 Part 1 (replaces the previous designation "child protection").

For SV (safety power supply) and ZSV (additional safety power supply).

To be labelled with labelling strips.

With plug-in terminals.

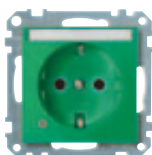
▣ **Accessories:** Labelling strip art. no. 230900

▣ **Note:** The bases are marked to match the colour of the cover.

Version	Art. no.	PU	PG	Info
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▣ Thermoplastic brilliant

ruby red	239906	10/50	1	NEW
green	239904	10/50	1	NEW
orange	239902	10/50	1	NEW



SCHUKO socket-outlet insert with special circuits with labelling field and control lamp

16 A, AC 250 V, DIN 49440

Integrated, improved protection against accidental contact in accordance with VDE 0620 Part 1 (replaces the previous designation "child protection").

For SV (safety power supply) and additional safety power supply.

Control lamp can be replaced from the front.

With plug-in terminals.

With claw and screw fixing.

▣ **Accessories:** Labels for safety power supply, art. no. 539654/56.

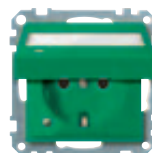
▣ **Note:** The bases are marked to match the colour of the cover.

Contents: With neon lamp.

Version	Art. no.	PU	PG	Info
---------	----------	----	----	------

▣ Thermoplastic brilliant

ruby red	249906	10/50	1	NEW
green	249904	10/50	1	NEW
orange	249902	10/50	1	NEW



SCHUKO socket-outlet insert with special circuits with hinged lid, labelling field and control lamp

16 A, AC 250 V, DIN 49440

Integrated, improved protection against accidental contact in accordance with VDE 0620 Part 1 (replaces the previous designation "child protection").

For SV (safety power supply) and additional safety power supply.

Control lamp can be replaced from the front.

With hinged lid and labelling field.

With plug-in terminals.

With claw and screw fixing.

▣ **Accessories:** Labels for safety power supply, art. no. 539654/56.

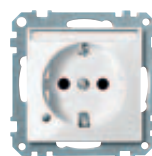
▣ **Note:** The bases are marked to match the colour of the cover.

Contents: With neon lamp.

Version	Art. no.	PU	PG	Info
---------	----------	----	----	------

▣ Thermoplastic brilliant

ruby red	248406	10/50	1	NEW
green	248404	10/50	1	NEW
orange	248402	10/50	1	NEW



SCHUKO socket-outlet insert with surge protection and labelling field

16 A, AC 250 V, DIN 49440, DIN EN 61643-11

Integrated, improved protection against accidental contact in accordance with VDE 0620 Part 1 (replaces the previous designation "child protection").

Protects electronic devices against overvoltages. With monitoring equipment and arrester disconnector, optical functional display (green LED) and acoustic signal.

With screw terminals.

With claw and screw fixing.

Rated discharge voltage: AC 250 V

Surge voltage (8/20): 4 kV

Protection level: <1.3 kV

In/max.: 8 kA

▣ **Contents:** 1 label with imprint "Überspannungsschutz".

Version	Art. no.	PU	PG	Info
---------	----------	----	----	------

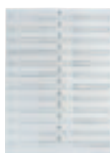
▣ Thermoplastic brilliant

white, glossy	266844	1/50	8	NEW
polar white, glossy	266819	1/50	8	NEW
active white, glossy	266825	1/50	8	NEW

▣ Thermoplastic classy matt

white	265844	1/50	8	NEW
polar white	265819	1/50	8	NEW
anthracite	265814	1/50	8	NEW
aluminium	265860	1/50	8	NEW

▣ **Duroplastic, highly scratch-resistant:** With this article, use thermoplastic brilliant



Labelling strips

For individual labelling.

- ▶ **To be completed with:** SCHUKO socket-outlet insert with labelling field and improved protection against accidental contact, System M art. no. 2399..., 2309..., 2789..., 2759... SCHUKO socket-outlet insert 45° with labelling field and improved protection against accidental contact, System M art. no. 2496...

Accessories: Labelling software, art. no. 615022.

- **Contents:** 1 sheet for 36 products.

Version	Art. no.	PU	PG	Info
polar white	230900	1/100	1	NEW

Socket-outlets and accessories



Socket-outlet insert with earthing pin for special circuits with hinged lid

16 A, AC 250 V, CEE 7 Standard Sheet V

Integrated, improved protection against accidental contact in accordance with VDE 0620 Part 1 (replaces the previous designation "child protection"). For SV (safety power supply) and ZSV (additional safety power supply).

With hinged lid and large labelling field.
With screw terminals. With claw and screw fixing.

- ▶ **Accessories:** Labels for safety power supply, art. no. 539654/56.

- **Note:** The bases are marked to match the colour of the cover.

Availability: September 2008

Version	Art. no.	PU	PG	Info
Thermoplastic brilliant				
ruby red	288406	10/50	1	NEW
green	288404	10/50	1	NEW
orange	288402	10/50	1	NEW



Socket-outlet insert without earthing contact, with improved protection against accidental contact

16 A, AC 250 V, CEE 7 Standard Sheet I

Improved protection against accidental contact in accordance with BS 1363.

With screw terminals. With claw and screw fixing.

- **Availability:** August 2008

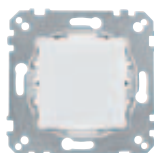
Version	Art. no.	PU	PG	Info
Thermoplastic brilliant				
white, glossy	215244	10/50	1	NEW
polar white, glossy	215219	10/50	1	NEW
active white, glossy	215225	10/50	1	NEW

Thermoplastic classy matt

white	215444	10/50	1	NEW
polar white	215419	10/50	1	NEW
anthracite	215414	10/50	1.1	NEW
aluminium	215460	10/50	1.1	NEW

- ▶ **Duroplastic, highly scratch-resistant: With this article, use thermoplastic brilliant**

Signal and info covers



LED light signal insert, single-colour

Green, red, white or blue illuminated display unit. A two-way switch is used to control the light signal insert.

Supply voltage: AC 120 V-230 V / 60 Hz, 1.6 W
AC 150 V-230 V / 50 Hz, 1.3 W

- ▶ **To be completed with:** Central plate with window, art. no. System M 5874..., 5870...

- **Note:** Film strips with arrows can be used for left or right direction by turning them round.

Contents: 6 pre-printed films in negative print (lift with arrow, toilet with arrow, stairs downwards with arrow, stairs upwards with arrow, "EXIT" with arrow left, "EXIT" with arrow right).

Version	Art. no.	PU	PG	Info
green	587090	1/50	8	
red	587091	1/50	8	
white	587093	1/50	8	NEW
blue	587094	1/50	8	NEW

Visual call systems



Central plate for auto-release plug system

Corresponds to the Ackermann cover, order no. 88880 D3.

Version	Art. no.	PU	PG	Info
Thermoplastic brilliant				
polar white, glossy	452219	5/150	1	NEW
active white, glossy	452225	5/150	1	NEW

- ▶ **Duroplastic, highly scratch-resistant: With this article, use thermoplastic brilliant**



Central plate for office unit

Corresponds to the Ackermann cover, order no. 88881 P3.

To complement the Ackermann compact call sets.

Version	Art. no.	PU	PG	Info
Thermoplastic brilliant				
polar white, glossy	452319	5/150	1	NEW
active white, glossy	452325	5/150	1	NEW

- ▶ **Duroplastic, highly scratch-resistant: With this article, use thermoplastic brilliant**

1-M frame



1-M frame, 1-gang

Version	Art. no.	PU	PG	Info
Thermoplastic brilliant				
white, glossy	389144	10/300	1	NEW
polar white, glossy	389119	10/300	1	NEW
active white, glossy	389125	10/300	1	NEW



1-M frame, 2-gang

For vertical and horizontal installation.

Version	Art. no.	PU	PG	Info
Thermoplastic brilliant				
white, glossy	389244	10/160	1	NEW
polar white, glossy	389219	10/160	1	NEW
active white, glossy	389225	10/160	1	NEW



1-M frame, 3-gang

For vertical and horizontal installation.

Version	Art. no.	PU	PG	Info
Thermoplastic brilliant				
white, glossy	389344	10/100	1	NEW
polar white, glossy	389319	10/100	1	NEW
active white, glossy	389325	10/100	1	NEW



1-M frame, 4-gang

For vertical and horizontal installation.

Version	Art. no.	PU	PG	Info
Thermoplastic brilliant				
white, glossy	389444	2/44	1	NEW
polar white, glossy	389419	2/44	1	NEW
active white, glossy	389425	2/44	1	NEW



1-M frame, 5-gang

For vertical and horizontal installation.

Version	Art. no.	PU	PG	Info
Thermoplastic brilliant				
white, glossy	389544	1/38	1	NEW
polar white, glossy	389519	1/38	1	NEW
active white, glossy	389525	1/38	1	NEW



1-M frame, 2-gang without central bridge piece

- ▣ **To be completed with:** Shaver socket insert, art. no. 213300.
- In KNX, to be completed with:** Multi-function push-button, 4-gang with room temperature control unit and IR receiver, art. no. System M 6346.., 6336...

Version	Art. no.	PU	PG	Info
Thermoplastic brilliant				
white, glossy	389844	10/90	1	NEW
polar white, glossy	389819	10/90	1	NEW
active white, glossy	389825	10/90	1	NEW

SCHUKO® socket-outlets



SCHUKO socket-outlet

16 A, AC 250 V, DIN 49440

With plug-in terminals.

- ▣ **Contents:** Complete device with full cover plate.

Version	Art. no.	PU	PG	Info
Thermoplastic brilliant				
white, glossy	247244	10/40	1	NEW
polar white, glossy	247219	10/40	1	NEW
active white, glossy	247225	10/40	1	NEW



SCHUKO socket-outlet with increased protection against accidental contact

16 A, AC 250 V, DIN 49440

Integrated, improved protection against accidental contact in accordance with VDE 0620 Part 1 (replaces the previous designation "child protection").

With plug-in terminals.

Contents: Complete device with full cover plate.

Version	Art. no.	PU	PG	Info
Thermoplastic brilliant				
white, glossy	247344	10/40	1	NEW
polar white, glossy	247319	10/40	1	NEW
active white, glossy	247325	10/40	1	NEW



SCHUKO socket-outlet

16 A, AC 250 V, DIN 49440

With screw terminals.

Contents: Complete device with full cover plate.

Version	Art. no.	PU	PG	Info
Thermoplastic brilliant				
white, glossy	278744	10/40	1	NEW
polar white, glossy	278719	10/40	1	NEW
active white, glossy	278725	10/40	1	NEW

ATELIER-M frames



ATELIER-M frame, 1-gang

Version	Art. no.	PU	PG	Info
Thermoplastic brilliant				
white, glossy	388144	10/300	1	NEW
polar white, glossy	388119	10/300	1	NEW
active white, glossy	388125	10/300	1	NEW



ATELIER-M frame, 2-gang

For vertical and horizontal installation.

Version	Art. no.	PU	PG	Info
Thermoplastic brilliant				
white, glossy	388244	10/160	1	NEW
polar white, glossy	388219	10/160	1	NEW
active white, glossy	388225	10/160	1	NEW



ATELIER-M frame, 3-gang

For vertical and horizontal installation.

Version	Art. no.	PU	PG	Info
Thermoplastic brilliant				
white, glossy	388344	10/100	1	NEW
polar white, glossy	388319	10/100	1	NEW
active white, glossy	388325	10/100	1	NEW



ATELIER-M frame, 4-gang

For vertical and horizontal installation.

Version	Art. no.	PU	PG	Info
Thermoplastic brilliant				
white, glossy	388444	2/44	1	NEW
polar white, glossy	388419	2/44	1	NEW
active white, glossy	388425	2/44	1	NEW



ATELIER-M frame, 5-gang

For vertical and horizontal installation.

Version	Art. no.	PU	PG	Info
Thermoplastic brilliant				
white, glossy	388544	1/38	1	NEW
polar white, glossy	388519	1/38	1	NEW
active white, glossy	388525	1/38	1	NEW



ATELIER-M frames, 2-gang without central bridge piece

- ▣ **To be completed with:** Shaver socket insert, art. no. 213300.
- In KNX, to be completed with:** Multi-function push-button, 4-gang with room temperature control unit and IR receiver, art. no. System M 6346.., 6336...

Version	Art. no.	PU	PG	Info
Thermoplastic brilliant				
white, glossy	388844	10/90	1	NEW
polar white, glossy	388819	10/90	1	NEW
active white, glossy	388825	10/90	1	NEW

SCHUKO® socket-outlets



SCHUKO socket-outlet

16 A, AC 250 V, DIN 49440

With plug-in terminals.

- ▣ **Contents:** Complete device with full cover plate.

Version	Art. no.	PU	PG	Info
Thermoplastic brilliant				
white, glossy	247044	10/40	1	NEW
polar white, glossy	247019	10/40	1	NEW
active white, glossy	247025	10/40	1	NEW



SCHUKO socket-outlet with increased protection against accidental contact

16 A, AC 250 V, DIN 49440

Integrated, improved protection against accidental contact in accordance with VDE 0620 Part 1 (replaces the previous designation "child protection").

With plug-in terminals.

Contents: Complete device with full cover plate.

Version	Art. no.	PU	PG	Info
Thermoplastic brilliant				
white, glossy	247144	10/40	1	NEW
polar white, glossy	247119	10/40	1	NEW
active white, glossy	247125	10/40	1	NEW



SCHUKO socket-outlet

16 A, AC 250 V, DIN 49440

With screw terminals.

Contents: Complete device with full cover plate.

Version	Art. no.	PU	PG	Info
Thermoplastic brilliant				
white, glossy	278444	10/40	1	NEW
polar white, glossy	278419	10/40	1	NEW
active white, glossy	278425	10/40	1	NEW

M-STAR frames



M-STAR frame, 4-gang

The metal frames in satin silver, chrome and polished brass are all available with central bridge piece/supporting frame in different colours (white, polar white, anthracite).

For vertical and horizontal installation.

- Note:** Take care when ordering that the central bridge piece/carrier frame and insert are the same colour.

Version	Art. no.	PU	PG	Info
metallic				
satin silver/white	467444	2/44	1.1	NEW
satin silver/polar white	467419	2/44	1.1	NEW
satin silver/anthracite	467414	2/44	1.1	NEW
chrome/white	477444	2/44	1.1	NEW
chrome/polar white	477419	2/44	1.1	NEW
chrome/anthracite	477414	2/44	1.1	NEW
polished brass/white	487444	2/44	1.1	NEW
polished brass/polar white	487419	2/44	1.1	NEW
polished brass/anthracite	487414	2/44	1.1	NEW



M-STAR frame, 5-gang

The metal frames in satin silver, chrome and polished brass are all available with central bridge piece/supporting frame in different colours (white, polar white, anthracite).

For vertical and horizontal installation.

- Note:** Take care when ordering that the central bridge piece/carrier frame and insert are the same colour.

Version	Art. no.	PU	PG	Info
metallic				
satin silver/white	467544	1/38	1.1	NEW
satin silver/polar white	467519	1/38	1.1	NEW
satin silver/anthracite	467514	1/38	1.1	NEW
chrome/white	477544	1/38	1.1	NEW
chrome/polar white	477519	1/38	1.1	NEW
chrome/anthracite	477514	1/38	1.1	NEW
polished brass/white	487544	1/38	1.1	NEW
polished brass/polar white	487519	1/38	1.1	NEW
polished brass/anthracite	487514	1/38	1.1	NEW

M-PLAN real glass frames



M-PLAN real glass frame, 1-gang

Version	Art. no.	PU	PG	Info
glass				
Brilliant white	489119	1/88	1.1	NEW
Onyx black	489103	1/88	1.1	NEW
Diamond silver	489160	1/88	1.1	
Sapphire blue	489178	1/88	1.1	
Ruby red	489106	1/88	1.1	
Mahogany brown	489115	1/88	1.1	



M-PLAN real glass frame, 2-gang

For vertical and horizontal installation.

Version	Art. no.	PU	PG	Info
glass				
Brilliant white	489219	1/48	1.1	NEW
Onyx black	489203	1/48	1.1	NEW
Diamond silver	489260	1/48	1.1	
Sapphire blue	489278	1/48	1.1	
Ruby red	489206	1/48	1.1	
Mahogany brown	489215	1/48	1.1	



M-PLAN real glass frame, 3-gang

For vertical and horizontal installation.

Version	Art. no.	PU	PG	Info
glass				
Brilliant white	489319	1/32	1.1	NEW
Onyx black	489303	1/32	1.1	NEW
Diamond silver	489360	1/32	1.1	
Sapphire blue	489378	1/32	1.1	
Ruby red	489306	1/32	1.1	
Mahogany brown	489315	1/32	1.1	



M-PLAN real glass frame, 4-gang

For vertical and horizontal installation.

Version	Art. no.	PU	PG	Info
glass				
Brilliant white	489419	1/22	1.1	NEW
Onyx black	489403	1/22	1.1	NEW
Diamond silver	489460	1/22	1.1	
Sapphire blue	489478	1/22	1.1	
Ruby red	489406	1/22	1.1	
Mahogany brown	489415	1/22	1.1	



M-PLAN real glass frame, 5-gang

For vertical and horizontal installation.

Version	Art. no.	PU	PG	Info
glass				
Brilliant white	489519	1/22	1.1	NEW
Onyx black	489503	1/22	1.1	NEW
Diamond silver	489560	1/22	1.1	
Sapphire blue	489578	1/22	1.1	
Ruby red	489506	1/22	1.1	
Mahogany brown	489515	1/22	1.1	



M-PLAN real glass frames, 2-gang without central bridge piece

To be completed with: Shaver socket insert, art. no. 213300.

In KNX, to be completed with: Multi-function push-button, 4-gang with room temperature control unit and IR receiver, art. no. System M 6346..., 6336...

Version	Art. no.	PU	PG	Info
glass				
Brilliant white	487819	1/48	1.1	NEW
Onyx black	487803	1/48	1.1	NEW
Diamond silver	487860	1/48	1.1	
Sapphire blue	487878	1/48	1.1	
Ruby red	487806	1/48	1.1	
Mahogany brown	487815	1/48	1.1	

M-PLAN metal frames



M-PLAN metal frame, 1-gang

Availability: June 2008

Version	Art. no.	PU	PG	Info
metallic				
Platinum silver	475160	1/88	1.1	NEW
Chrome	475139	1/88	1.1	NEW
Rhodium grey	475114	1/88	1.1	NEW



M-PLAN metal frame, 2-gang

For vertical and horizontal installation.

Availability: June 2008

Version	Art. no.	PU	PG	Info
metallic				
Platinum silver	475260	1/48	1.1	NEW
Chrome	475239	1/48	1.1	NEW
Rhodium grey	475214	1/48	1.1	NEW



M-PLAN metal frame, 3-gang

For vertical and horizontal installation.

Availability: June 2008

Version	Art. no.	PU	PG	Info
metallic				
Platinum silver	475360	1/32	1.1	NEW
Chrome	475339	1/32	1.1	NEW
Rhodium grey	475314	1/32	1.1	NEW



M-PLAN metal frame, 4-gang

For vertical and horizontal installation.

Availability: June 2008

Version	Art. no.	PU	PG	Info
metallic				
Platinum silver	475460	1/22	1.1	NEW
Chrome	475439	1/22	1.1	NEW
Rhodium grey	475414	1/22	1.1	NEW



M-PLAN metal frame, 5-gang

For vertical and horizontal installation.

Availability: June 2008

Version	Art. no.	PU	PG	Info
metallic				
Platinum silver	475560	1/22	1.1	NEW
Chrome	475539	1/22	1.1	NEW
Rhodium grey	475514	1/22	1.1	NEW



M-PLAN metal frame, 2-gang without central bridge piece

To be completed with: Shaver socket insert, art. no. 213300.

In KNX, to be completed with: Multi-function push-button, 4-gang with room temperature control unit and IR receiver, art. no. System M 6346..., 6336...

Availability: June 2008

Version	Art. no.	PU	PG	Info
metallic				
Platinum silver	475860	1/48	1.1	NEW
Chrome	475839	1/48	1.1	NEW
Rhodium grey	475814	1/48	1.1	NEW

M-PLAN frames



M-PLAN frame, 1-gang

Version	Art. no.	PU	PG	Info
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Thermoplastic brilliant

white, glossy	515144	10/300	1	NEW
polar white, glossy	515119	10/300	1	NEW
active white, glossy	515125	10/300	1	NEW

Thermoplastic classy matt

white	486144	10/300	1	
polar white	486119	10/300	1	
anthracite	486114	2/176	1.1	
aluminium	486160	2/176	1.1	



M-PLAN frame, 2-gang

For vertical and horizontal installation.

Version	Art. no.	PU	PG	Info
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Thermoplastic brilliant

white, glossy	515244	10/160	1	NEW
polar white, glossy	515219	10/160	1	NEW
active white, glossy	515225	10/160	1	NEW

Thermoplastic classy matt

white	486244	10/160	1	
polar white	486219	10/160	1	
anthracite	486214	2/96	1.1	
aluminium	486260	2/96	1.1	



M-PLAN frame, 3-gang

For vertical and horizontal installation.

Version	Art. no.	PU	PG	Info
---------	----------	----	----	------

Thermoplastic brilliant

white, glossy	515344	10/60	1	NEW
polar white, glossy	515319	10/60	1	NEW
active white, glossy	515325	10/60	1	NEW

Thermoplastic classy matt

white	486344	10/60	1	
polar white	486319	10/60	1	
anthracite	486314	2/64	1.1	
aluminium	486360	2/64	1.1	



M-PLAN frame, 4-gang

For vertical and horizontal installation.

Version	Art. no.	PU	PG	Info
---------	----------	----	----	------

Thermoplastic brilliant

white, glossy	515444	2/44	1	NEW
polar white, glossy	515419	2/44	1	NEW
active white, glossy	515425	2/44	1	NEW

Thermoplastic classy matt

white	486444	2/44	1	
polar white	486419	2/44	1	
anthracite	486414	2/44	1.1	
aluminium	486460	2/44	1.1	



M-PLAN frame, 5-gang

For vertical and horizontal installation.

Version	Art. no.	PU	PG	Info
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Thermoplastic brilliant

white, glossy	515544	1/38	1	NEW
polar white, glossy	515519	1/38	1	NEW
active white, glossy	515525	1/38	1	NEW

Thermoplastic classy matt

white	486544	1/38	1	
polar white	486519	1/38	1	
anthracite	486514	1/38	1.1	
aluminium	486560	1/38	1.1	



M-PLAN frames, 2-gang without central bridge piece

To be completed with: Shaver socket insert, art. no. 213300.

In KNX, to be completed with: Multi-function push-button, 4-gang with room temperature control unit and IR receiver, art. no. System M 6346..., 6336...

Version	Art. no.	PU	PG	Info
---------	----------	----	----	------

Thermoplastic brilliant

white, glossy	515844	2/96	1	NEW
polar white, glossy	515819	2/96	1	NEW
active white, glossy	515825	2/96	1	NEW

Thermoplastic classy matt

white	488844	10/90	1	
polar white	488819	10/90	1	
anthracite	488814	2/96	1.1	
aluminium	488860	2/96	1.1	

M-PLAN frames, with labelling option



M-PLAN frame, 1-gang, with labelling option

▣ **Accessories:** Labelling strips for M-PLAN frames with labelling option, art. no. 486100.

▣ **Contents:** 1 labelling strip and 1 window per frame.

Version	Art. no.	PU	PG	Info
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▣ Thermoplastic brilliant

white, glossy	514144	2/176	1	NEW
polar white, glossy	514119	2/176	1	NEW
active white, glossy	514125	2/176	1	NEW

▣ Thermoplastic classy matt

white	476144	2/176	1	
polar white	476119	2/176	1	
anthracite	476114	2/176	1.1	
aluminium	476160	2/176	1.1	



M-PLAN frame, 2-gang with labelling option, vertical installation

▣ **Accessories:** Labelling strips for M-PLAN frames with labelling option, art. no. 486100.

▣ **Contents:** 2 labelling strips and 2 windows per frame.

Version	Art. no.	PU	PG	Info
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▣ Thermoplastic brilliant

white, glossy	513244	2/96	1	NEW
polar white, glossy	513219	2/96	1	NEW
active white, glossy	513225	2/96	1	NEW

▣ Thermoplastic classy matt

white	476244	2/96	1	
polar white	476219	2/96	1	
anthracite	476214	2/96	1.1	
aluminium	476260	2/96	1.1	



M-PLAN frame, 3-gang for labelling, vertical installation

▣ **Accessories:** Labelling strips for M-PLAN frames with labelling option, art. no. 486100.

▣ **Contents:** 3 labelling strips and 3 windows per frame.

Version	Art. no.	PU	PG	Info
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▣ Thermoplastic brilliant

white, glossy	513344	2/64	1	NEW
polar white, glossy	513319	2/64	1	NEW
active white, glossy	513325	2/64	1	NEW

▣ Thermoplastic classy matt

white	476344	2/64	1	
polar white	476319	2/64	1	
anthracite	476314	2/64	1.1	
aluminium	476360	2/64	1.1	



M-PLAN frame, 2-gang with labelling option, horizontal installation

▣ **Accessories:** Labelling strips for M-PLAN frames with labelling option, art. no. 486100.

▣ **Contents:** 2 labelling strips and 2 windows per frame.

Version	Art. no.	PU	PG	Info
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▣ Thermoplastic brilliant

white, glossy	514244	2/96	1	NEW
polar white, glossy	514219	2/96	1	NEW
active white, glossy	514225	2/96	1	NEW

▣ Thermoplastic classy matt

white	472244	2/96	1	
polar white	472219	2/96	1	
anthracite	472214	2/96	1.1	
aluminium	472260	2/96	1.1	



M-PLAN frame, 3-gang with labelling option, horizontal installation

- ▶ **Accessories:** Labelling strips for M-PLAN frames with labelling option, art. no. 486100.
- ▶ **Contents:** 3 labelling strips and 3 windows per frame.

Version	Art. no.	PU	PG	Info
Thermoplastic brilliant				
white, glossy	514344	2/64	1	NEW
polar white, glossy	514319	2/64	1	NEW
active white, glossy	514325	2/64	1	NEW
Thermoplastic classy matt				
white	472344	2/64	1	
polar white	472319	2/64	1	
anthracite	472314	2/64	1.1	
aluminium	472360	2/64	1.1	

M-PLAN II frames, flush-mounted



M-PLAN II frame, 1-gang, flush-mounted

For flush-mounting in walls.

To be completed with: Flush-mounting adapter for M-PLAN II frame, art. no. 512403.

Accessories: Concrete wall adapter, art. no. 512499.

Version	Art. no.	PU	PG	Info
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Thermoplastic brilliant

polar white, glossy	503119	10/180	1	NEW
active white, glossy	503125	10/180	1	NEW

Thermoplastic classy matt

polar white	488119	10/180	1	
anthracite	488114	2/176	1.1	
aluminium	488160	2/176	1.1	



M-PLAN II frame, 2-gang, flush-mounted

For flush-mounting in walls.

For vertical and horizontal installation.

To be completed with: Flush-mounting adapter for M-PLAN II frame, art. no. 512503.

Accessories: Concrete wall adapter, art. no. 512599.

Version	Art. no.	PU	PG	Info
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Thermoplastic brilliant

polar white, glossy	503219	10/90	1	NEW
active white, glossy	503225	10/90	1	NEW

Thermoplastic classy matt

polar white	488219	10/90	1	
anthracite	488214	2/96	1.1	
aluminium	488260	2/96	1.1	



M-PLAN II frame, 3-gang, flush-mounted

For flush-mounting in walls.

For vertical and horizontal installation.

To be completed with: Flush-mounting adapter for M-PLAN II frame, art. no. 512603.

Accessories: Concrete wall adapter, art. no. 512699.

Version	Art. no.	PU	PG	Info
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Thermoplastic brilliant

polar white, glossy	503319	10/60	1	NEW
active white, glossy	503325	10/60	1	NEW

Thermoplastic classy matt

polar white	488319	10/60	1	
anthracite	488314	2/64	1.1	
aluminium	488360	2/64	1.1	

Switch rockers



Rocker with labelling field and control lamp

For permanent labelling.
For changeover switch, intermediate switch, push-button and control switch.

► **Accessories:** Labelling strips for switches, socket-outlets, art. no. 395019

Version	Art. no.	PU	PG	Info
---------	----------	----	----	------

Thermoplastic brilliant

white	413644	10/240	1	NEW
polar white	413619	10/240	1	NEW
aluminium	413660	10/240	1.2	NEW

metallic

stainless steel	413646	10/240	1.2	NEW
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Rocker for two-circuit switch with opening for symbols

► **To be completed with:** Two-circuit control switch insert with N terminal, art. no. 325500 and light attachment for two-circuit control switch art. no. 396176. Rocker switch insert art. no. 311500 and light attachment for two-circuit control switch art. no. 396276.

Version	Art. no.	PU	PG	Info
---------	----------	----	----	------

Thermoplastic brilliant

white	413544	5/120	1	NEW
polar white	413519	5/120	1	NEW
aluminium	413560	5/120	1.2	NEW

metallic

antique brass	413543	5/120	1.4	NEW
stainless steel	413546	5/120	1.2	NEW



Rocker with control lamp

For control switch and push-button insert.

► **Availability:** September 2008

Version	Art. no.	PU	PG	Info
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Thermoplastic brilliant

white	438044	5/120	1	NEW
polar white	438019	5/120	1	NEW
aluminium	438060	5/120	1.2	NEW

metallic

antique brass	438043	5/120	1.4	NEW
stainless steel	438046	5/120	1.2	NEW



Rocker with control lamp and Light imprint

For control switch and push-button insert.

► **Availability:** September 2008

Version	Art. no.	PU	PG	Info
---------	----------	----	----	------

Thermoplastic brilliant

white	437944	5/120	1	NEW
polar white	437919	5/120	1	NEW
aluminium	437960	5/120	1.2	NEW

metallic

antique brass	437943	5/120	1.4	NEW
stainless steel	437946	5/120	1.2	NEW



Rocker with control lamp and Bell imprint

For control switch and push-button insert.

► **Availability:** September 2008

Version	Art. no.	PU	PG	Info
---------	----------	----	----	------

Thermoplastic brilliant

white	437844	5/120	1	NEW
polar white	437819	5/120	1	NEW
aluminium	437860	5/120	1.2	NEW

metallic

antique brass	437843	5/120	1.4	NEW
stainless steel	437846	5/120	1.2	NEW



Rocker with control lamp and Key imprint

For control switch and push-button insert.

► **Availability:** September 2008

Version	Art. no.	PU	PG	Info
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Thermoplastic brilliant

white	437644	5/120	1	NEW
polar white	437619	5/120	1	NEW
aluminium	437660	5/120	1.2	NEW

metallic

antique brass	437643	5/120	1.4	NEW
stainless steel	437646	5/120	1.2	NEW



Rocker with control lamp and Socket-outlet imprint

For control switch and push-button insert.

► **Availability:** September 2008

Version	Art. no.	PU	PG	Info
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Thermoplastic brilliant

white	437244	5/120	1	NEW
polar white	437219	5/120	1	NEW
aluminium	437260	5/120	1.2	NEW

metallic

antique brass	437243	5/120	1.4	NEW
stainless steel	437246	5/120	1.2	NEW



Rocker with control lamp and Heating emergency switch imprint

To be completed with: Rocker switch insert, art. no. 325200, 325600, 311300.

Availability: September 2008

Version	Art. no.	PU	PG	Info
Thermoplastic brilliant				
white	437044	5/120	1	NEW
polar white	437019	5/120	1	NEW
aluminium	437060	5/120	1.2	NEW
metallic				
antique brass	437043	5/120	1.4	NEW
stainless steel	437046	5/120	1.2	NEW

SCHUKO® socket-outlets and accessories



SCHUKO socket-outlet insert with improved protection against accidental contact

16 A, AC 250 V, DIN 49440

Integrated, improved protection against accidental contact in accordance with VDE 0620 Part 1 (replaces the previous designation "child protection").

With screw terminals.

Availability: August 2008.

Version	Art. no.	PU	PG	Info
Thermoplastic brilliant				
white	277744	10/50	1	NEW
polar white	277719	10/50	1	NEW
aluminium	277760	10/50	1.2	NEW
metallic				
antique brass	277743	10/50	1.4	NEW
stainless steel	277746	10/40	1.2	NEW



SCHUKO socket-outlet insert 45° with improved protection against accidental contact

16 A, AC 250 V, DIN 49440

Integrated, improved protection against accidental contact in accordance with VDE 0620 Part 1 (replaces the previous designation "child protection").

With plug-in terminals.

Version	Art. no.	PU	PG	Info
Thermoplastic brilliant				
white	247644	10/50	1	NEW
polar white	247619	10/50	1	NEW
aluminium	247660	10/50	1.2	NEW
metallic				
stainless steel	247646	10/50	1.2	NEW



SCHUKO socket-outlet insert with EDP imprint and improved protection against accidental contact

16 A, AC 250 V, DIN 49440

With plug-in terminals.

Availability: August 2008

Version	Art. no.	PU	PG	Info
Thermoplastic brilliant				
white	249244	10/50	1	NEW
polar white	249219	10/50	1	NEW
aluminium	249260	10/50	1.2	NEW
metallic				
stainless steel	249246	10/50	1.2	NEW



SCHUKO socket-outlet insert with labelling field and control lamp

16 A, AC 250 V, DIN 49440

Integrated, improved protection against accidental contact in accordance with VDE 0620 Part 1 (replaces the previous designation "child protection").

Control lamp can be replaced from the front.

With plug-in terminals.

With claw and screw fixing.

Contents: With neon lamp.

Version	Art. no.	PU	PG	Info
Thermoplastic brilliant				
white	240844	10/50	1	NEW
polar white	240819	10/50	1	NEW
aluminium	240860	10/50	1.2	NEW
metallic				
stainless steel	240846	10/50	1.2	NEW



SCHUKO socket-outlet insert with hinged lid and labelling field

16 A, AC 250 V, DIN 49440

Integrated, improved protection against accidental contact in accordance with VDE 0620 Part 1 (replaces the previous designation "child protection").

With hinged lid and labelling field.

With plug-in terminals.

With claw and screw fixing.

Version	Art. no.	PU	PG	Info
Thermoplastic brilliant				
white	247844	10/50	1	NEW
polar white	247819	10/50	1	NEW
aluminium	247860	10/50	1.2	NEW
metallic				
stainless steel	247846	10/40	1.2	NEW



SCHUKO socket-outlet insert with hinged lid, labelling field and control lamp

16 A, AC 250 V, DIN 49440

Integrated, improved protection against accidental contact in accordance with VDE 0620 Part 1 (replaces the previous designation "child protection").

Control lamp can be replaced from the front.

With hinged lid and labelling field.

With plug-in terminals.

With claw and screw fixing.

Contents: With neon lamp.

Version	Art. no.	PU	PG	Info
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Thermoplastic brilliant

white	247944	10/50	1	NEW
polar white	247919	10/50	1	NEW
aluminium	247960	10/50	1.2	NEW

metallic

stainless steel	247946	10/50	1.2	NEW
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SCHUKO socket-outlet insert 45° with labelling field and improved protection against accidental contact

16 A, AC 250 V, DIN 49440

Integrated, improved protection against accidental contact in accordance with VDE 0620 Part 1 (replaces the previous designation "child protection").

For SV (safety power supply) and

ZSV (additional safety power supply).

With plug-in terminals.

Note: The bases are marked to match the colour of the cover.

Version	Art. no.	PU	PG	Info
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Thermoplastic brilliant

ruby red	247706	10/50	1.2	NEW
SV, green	247704	10/50	1	NEW
additional safety power supply, orange	247702	10/50	1	NEW



SCHUKO socket-outlet insert with hinged lid and improved protection against accidental contact.

16 A, AC 250 V, DIN 49440

Integrated, improved protection against accidental contact in accordance with VDE 0620 Part 1 (replaces the previous designation "child protection").

For SV (safety power supply) and

ZSV (additional safety power supply).

To be labelled with labelling strips.

With plug-in terminals.

Accessories: Labelling strips for switches, socket-outlets, art. no. 395019

Note: The bases are marked to match the colour of the cover.

Version	Art. no.	PU	PG	Info
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Thermoplastic brilliant

ruby red	230806	10/50	1.2	NEW
green	230804	10/50	1	NEW
orange	230802	10/50	1	NEW



SCHUKO socket-outlet insert with special circuits with labelling field and control lamp

16 A, AC 250 V, DIN 49440

Integrated, improved protection against accidental contact in accordance with VDE 0620 Part 1 (replaces the previous designation "child protection").

For SV (safety power supply) and additional safety power supply.

Control lamp can be replaced from the front.

With plug-in terminals.

With claw and screw fixing.

Accessories: Labels for safety power supply, art. no. 539654/56.

Note: The bases are marked to match the colour of the cover.

Contents: With neon lamp.

Version	Art. no.	PU	PG	Info
---------	----------	----	----	------

Thermoplastic brilliant

ruby red	240806	10/50	1.2	NEW
green	240804	10/50	1	NEW
orange	240802	10/50	1	NEW



SCHUKO socket-outlet insert with special circuits with hinged lid, labelling field and control lamp

16 A, AC 250 V, DIN 49440

Integrated, improved protection against accidental contact in accordance with VDE 0620 Part 1 (replaces the previous designation "child protection"). For SV (safety power supply) and additional safety power supply.

Control lamp can be replaced from the front.

With hinged lid and labelling field.

With plug-in terminals. With claw and screw fixing.

Accessories: Labels for safety power supply, art. no. 539654/56.

Note: The bases are marked to match the colour of the cover.

Contents: With neon lamp.

Version	Art. no.	PU	PG	Info
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Thermoplastic brilliant

ruby red	247906	10/50	1.2	NEW
green	247904	10/50	1	NEW
orange	247902	10/50	1	NEW



SCHUKO socket-outlet insert with surge protection and labelling field

16 A, AC 250 V, DIN 49440, DIN EN 61643-11

Integrated, improved protection against accidental contact in accordance with VDE 0620 Part 1 (replaces the previous designation "child protection").

Protects electronic devices against overvoltages. With monitoring equipment and arrestor disconnector, optical functional display (green LED) and acoustic signal.

With screw terminals. With claw and screw fixing.

Rated discharge voltage: AC 250 V

Surge voltage (8/20): 4 kV

Protection level: <1.3 kV

In/max.: 8 kA

Contents: 1 label with imprint "Überspannungsschutz".

Version	Art. no.	PU	PG	Info
Thermoplastic brilliant				
white	265744	1/50	8	NEW
polar white	265719	1/50	8	NEW
aluminium	265760	1/50	8	NEW
metallic				
varnished stainless steel	265746	1/50	8	NEW

Socket-outlets and accessories



Socket-outlet insert with earthing pin for special circuits with hinged lid

16 A, AC 250 V, CEE 7 Standard Sheet V

Integrated, improved protection against accidental contact in accordance with VDE 0620 Part 1 (replaces the previous designation "child protection"). For SV (safety power supply) and ZSV (additional safety power supply).

With hinged lid and labelling field.

With screw terminals. With claw and screw fixing.

Accessories: Labels for safety power supply, art. no. 539654/56.

Note: The bases are marked to match the colour of the cover.

Availability: September 2008

Version	Art. no.	PU	PG	Info
Thermoplastic brilliant				
ruby red	287906	10/50	1.2	NEW
green	287904	10/50	1	NEW
orange	287902	10/50	1	NEW

Visual call systems



Central plate for auto-release plug system

Corresponds to the Ackermann cover, order no. 88880 D3.

Version	Art. no.	PU	PG	Info
Thermoplastic brilliant				
white	444744	10/120	1	NEW
polar white	444719	10/120	1	NEW



Central plate for office unit

Corresponds to the Ackermann cover, order no. 88881 P3.

To complement the Ackermann compact call sets.

Version	Art. no.	PU	PG	Info
Thermoplastic brilliant				
white	444844	10/120	1	NEW
polar white	444819	10/120	1	NEW

Accessories



Intermediate ring with hinged lid for combination inserts in line with DIN 49075

All standardised combination inserts in line with DIN 49075 can be integrated with this article. For example, TAE, modular jack, data and communications systems from PANDUIT (PAN-NET), Ackermann WAE, WAG, BTR etc.

Availability: August 2008

Version	Art. no.	PU	PG	Info
Thermoplastic brilliant				
white	516144	5/75	1	NEW
polar white	516119	5/75	1	NEW
aluminium	516160	5/75	1.2	NEW
metallic				
stainless steel	516146	5/75	1.2	NEW

Socket-outlets



Socket-outlet insert with earthing pin, hinged lid and labelling field

16 A, AC 250 V, CEE 7 Standard Sheet V

Integrated, improved protection against accidental contact in accordance with VDE 0620 Part 1 (replaces the previous designation "child protection").

With hinged lid and labelling field.

With screw terminals.

With claw and screw fixing.

■ **Availability:** September 2008

Version	Art. no.	PU	PG	Info
white	283144	10/40	2.1	NEW
polar white	283119	10/40	2.1	NEW
dark brazil	283115	10/40	2.1	NEW
anthracite	283114	10/40	2.1	NEW
aluminium	283160	10/40	2.1	NEW

Switches and push-buttons, without frames



Rocker switch insert

10 AX, AC 250 V

Illuminated.

- Accessories:** Neon lamp attachment with integrated lamp, art. no. 396502. Plug-in light attachment E 10, art. no. 396576. Neon lamp E 10, art. no. 395100. LED lamp E 10, art. no. 3951...

- Further functions available on request.**

Contents: Without frame.

Availability: Discontinued articles available until December 2008.

Availability: New articles with improved surface available September 2008.

Version	Art. no.	PU	PG	Info
two-way, matt silver	313640	1/30	1.6	DISC.
intermediate, matt silver	313740	1/30	1.6	DISC.
two-way, matt silver	313660	1/30	1.6	NEW
intermediate, matt silver	313760	1/30	1.6	NEW



Rocker control switch insert

10 AX, AC 250 V

Can also be used as a 1-pole, one-way control switch.

- Contents:** With neon lamp, without frame.

Availability: Discontinued articles available until December 2008.

Availability: New articles with improved surface available September 2008.

Version	Art. no.	PU	PG	Info
two-way, matt silver	322640	1/30	1.6	DISC.
two-way, matt silver	322660	1/30	1.6	NEW



Rocker button insert

10 A, 250 V AC

Illuminated.

- Accessories:** Neon lamp attachment with integrated lamp, art. no. 396502. Plug-in light attachment E 10, art. no. 396576. Neon lamp E 10, art. no. 395100. LED lamp E 10, art. no. 3951...

- Contents:** Without frame.

Availability: Discontinued articles available until December 2008.

Availability: New articles with improved surface available September 2008.

Version	Art. no.	PU	PG	Info
two-way, 1-pole, matt silver	314040	1/30	1.6	DISC.
two-way, 1-pole, matt silver	314060	1/30	1.6	NEW

Roller shutter switches



Momentary/maintained-contact switch insert for roller shutters for cylinder locks

10 A, 250 V AC

For standard semi-cylinder locks of 40 mm in length.

- Available as a two-way switch on request.**

Contents: Without frame, without lock.

Availability: Discontinued articles available until December 2008.

Availability: New articles with improved surface available September 2008.

Version	Art. no.	PU	PG	Info
2-pole, matt silver	318740	1/32	1.6	DISC.
2-pole, matt silver	318760	1/32	1.6	NEW



Roller shutter push-button insert for cylinder locks

10 A, 250 V AC

For standard semi-cylinder locks of 40 mm in length.

- Contents:** Without frame, without lock.

Availability: Discontinued articles available until December 2008.

Availability: New articles with improved surface available September 2008.

Version	Art. no.	PU	PG	Info
2-pole, matt silver	318840	1/32	1.6	DISC.
2-pole, matt silver	318860	1/32	1.6	NEW



Momentary/maintained-contact switch insert for roller shutters for cylinder locks

10 A, 250 V AC

Splash-proof.

For standard semi-cylinder locks of 40 mm in length.

Can only be used as a single device.

IP44

- Available as a two-way switch on request.**

Contents: Complete device with gasket and frame but without lock.

Availability: Discontinued articles available until December 2008.

Availability: New articles with improved surface available September 2008.

Version	Art. no.	PU	PG	Info
matt silver	318240	1/21	1.6	DISC.
matt silver	318260	1/21	1.6	NEW



Roller shutter push-button insert for cylinder locks

10 A, 250 V AC

Splash-proof.
For standard semi-cylinder locks of 40 mm in length.
Can only be used as a single device.

IP 44

- Contents:** Complete device with gasket and frame but without lock.
- Availability:** Discontinued articles available until December 2008.
- Availability:** New articles with improved surface available September 2008.

Version	Art. no.	PU	PG	Info
matt silver	318440	1/21	1.6	DISC.
matt silver	318460	1/21	1.6	NEW

Socket-outlets



SCHUKO socket-outlet insert with improved protection against accidental contact

16 A, AC 250 V, DIN 49440

Integrated, improved protection against accidental contact in accordance with VDE 0620 Part 1 (replaces the previous designation "child protection").
With plug-in terminals.

- Contents:** Without frame.
- Availability:** December 2008

Version	Art. no.	PU	PG	Info
matt silver	240760	1/30	1.6	NEW



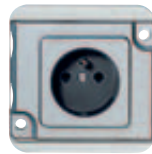
SCHUKO socket-outlet insert with improved protection against accidental contact

16 A, AC 250 V, DIN 49440

Integrated, improved protection against accidental contact in accordance with VDE 0620 Part 1 (replaces the previous designation "child protection").
With screw terminals.

- Contents:** Without frame.
- Availability:** Discontinued articles available until December 2008.
- Availability:** New articles with improved surface available September 2008.

Version	Art. no.	PU	PG	Info
matt silver	270940	1/30	1.6	DISC.
matt silver	270960	1/30	1.6	NEW



Socket-outlet insert with earthing pin and increased protection against accidental contact

16 A, AC 250 V, CEE 7 Standard Sheet V

Improved protection against accidental contact.
With plug-in terminals.

- Contents:** Without frame.
- Availability:** December 2008

Version	Art. no.	PU	PG	Info
matt silver	281060	1/30	.	NEW

Communications inserts and accessories

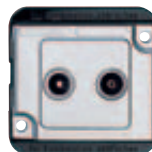


Blanking cover

Cover for relay, multiple control relay for roller shutters, buzzer, power booster, KNX binary input, flush-mounted/4x10 etc.
Can be used universally with mechanical machining (drilling, milling etc.)
Without claws, for screw fixing.

- Contents:** Without frame.
- Availability:** Discontinued articles available until December 2008.
- Availability:** New articles with improved surface available September 2008.

Version	Art. no.	PU	PG	Info
matt silver	392340	1/100	1.6	DISC.
matt silver	392360	1/100	1.6	NEW



Broadband cable/satellite antenna branch-circuit box, 2-gang

DIN EN 50083-1/A1, DIN EN 80083-2/A1

Broadband directional coupler box for branch-circuit and star-type distribution systems in broadband cable, communal aerial and satellite distribution systems. With DC transmission via the TV connection. Suitable for flush-mounted boxes of Ø 55-65 mm.
With claw and screw fixing.
DC transmission: max. 24 V/400 mA
Signal: 22 kHz and DiSEQC

- To be completed with:** Central plate for antenna socket-outlet, art. no. System M 2967..., 2975..., System Basis 2948..., System Design 2941..., OCTOCOLOR 2943...
- Contents:** Without frame.
- Availability:** New articles with improved surface available September 2008.

Version	Art. no.	PU	PG	Info
matt silver	299460	1/30	1.6	NEW



Central plate for antenna socket-outlets

For coaxial antenna socket-outlets in line with DIN 45330, e.g., AEG, Astro, Bosch, Fuba, Hirschmann, Kathrein, Philips, Polytron, Siemens, Wisi, Zehnder etc.

Contents: Without frame.

Availability: Discontinued articles available until December 2008.

Availability: New articles with improved surface available September 2008.

Version	Art. no.	PU	PG	Info
matt silver	294640	1/100	1.6	DISC.
matt silver	294660	1/100	1.6	NEW



RJ45 telephone connector insert

With 1-gang CAT 5 RJ45 insert.
For connecting analogue or digital terminals using an 8-pole RJ45 socket.

Contents: Without frame.

Availability: Discontinued articles available until December 2008.

Availability: New articles with improved surface available September 2008.

Version	Art. no.	PU	PG	Info
matt silver	465740	1/30	1.6	DISC.
matt silver	465760	1/30	1.6	NEW



Audio socket

XLR circular connector 3-pole with solder connection and mechanical lock.

Contents: Without frame.

Availability: Discontinued articles available until December 2008.

Availability: New articles with improved surface available September 2008.

Version	Art. no.	PU	PG	Info
matt silver	460840	1/30	1.6	DISC.
matt silver	460860	1/30	1.6	NEW

ANTI-VANDALISM frames



Frame, 1-gang

With sealable fixing holes, frame suitable for use as guide for Ø 6 mm plug.

Replacement part: Lead seal, art. no. 390199.

Contents: With lead seals.

Availability: Discontinued articles available until December 2008.

Availability: New articles with improved surface available September 2008.

Version	Art. no.	PU	PG	Info
matt silver	480140	1/100	1.6	DISC.
matt silver	480160	1/100	1.6	NEW



Frame, 2-gang

With sealable fixing holes, frame suitable for use as guide for Ø 6 mm plug.

Only for vertical installation with a distance of 71 mm.

Replacement part: Lead seal, art. no. 390199.

Contents: With lead seals.

Availability: Discontinued articles available until December 2008.

Availability: New articles with improved surface available September 2008.

Version	Art. no.	PU	PG	Info
matt silver	480240	1/75	1.6	DISC.
matt silver	480260	1/75	1.6	NEW



Frame, 3-gang

With sealable fixing holes, frame suitable for use as guide for Ø 6 mm plug.

Only for vertical installation with a distance of 71 mm.

Replacement part: Lead seal, art. no. 390199.

Contents: With lead seals.

Availability: Discontinued articles available until December 2008.

Availability: New articles with improved surface available September 2008.

Version	Art. no.	PU	PG	Info
matt silver	480340	1/58	1.6	DISC.
matt silver	480360	1/58	1.6	NEW

Switches, push-buttons and accessories



Rocker switch

10 AX, AC 250 V

IP 44

Version	Art. no.	PU	PG	Info
two-way, polar white	340619	10/60	2	NEW
two-way, light grey	340639	10/60	2	
intermediate, polar white	340719	10/40	2	NEW
intermediate, light grey	340739	10/40	2	
one-way, 2-pole, polar white	340219	10/40	2	NEW
one-way, 2-pole, light grey	340239	10/40	2	



Rocker switch

10 AX, AC 250 V

IP 44

Version	Art. no.	PU	PG	Info
two-circuit, polar white	340519	10/40	2	NEW
two-circuit, light grey	340539	10/40	2	



Rocker switch

16 AX, AC 400 V

Illuminated.
With screw terminals.

IP 44

► **Accessories:** Light attachment, art. no. 396376.

Version	Art. no.	PU	PG	Info
one-way, 3-pole, polar white	340319	10/40	2	NEW
one-way, 3-pole, light grey	340339	10/40	2	



Rocker control switch

10 AX, AC 250 V

Can also be used as a 1-pole, one-way control switch.

Can be used as a heating emergency switch with the labelling insert supplied.

IP 44

► **Contents:** With neon lamp (spot light) and labelling insert, art. no. 395939.

Version	Art. no.	PU	PG	Info
two-way, polar white	342619	10/40	2	NEW
two-way, light grey	342639	10/40	2	
one-way, 2-pole, polar white	342219	10/40	2	NEW
one-way, 2-pole, light grey	342239	10/40	2	



Rocker button

10 A, 250 V AC

IP 44

► **Contents:** With labelling insert "Light". We also supply 5 labelling inserts for every 5 buttons: 1 door, 3 bell and 1 neutral.

Version	Art. no.	PU	PG	Info
make contact, 1-pole, polar white	344019	10/40	2	NEW
make contact, 1-pole, light grey	344039	10/40	2	
make contact, 1-pole with separate signalling contact and integral neon lamp, polar white	344819	10/40	2	NEW
make contact, 1-pole with separate signalling contact and integral neon lamp, light grey	344839	10/40	2	
two-way, 1-pole, polar white	344919	10/40	2	NEW
two-way, 1-pole, light grey	344939	10/40	2	



Heating emergency switch

10 AX, AC 250 V

With imprint "Heating emergency switch".

IP 44

► **Contents:** With long light attachment and double entry for cable and leads.

Version	Art. no.	PU	PG	Info
two-way, polar white	343619	10/40	2	NEW
two-way, light grey	342694	10/40	2	
one-way, 2-pole, polar white	343219	10/40	2	NEW
one-way, 2-pole, light grey	342294	10/40	2	



Heating emergency switch

16 AX, AC 400 V

With imprint "Heating emergency switch".

IP44

Contents: With neon lamp and double entry for cable and leads.

Version	Art. no.	PU	PG	Info
one-way, 3-pole, polar white	343319	10/40	2	NEW
one-way, 3-pole, light grey	340394	10/40	2	

Roller shutter switches



Roller shutter rocker switch

10 A, 250 V AC

With mechanical reverse lock-out and electrical interlock.

IP44

Version	Art. no.	PU	PG	Info
1-pole, polar white	341519	10/40	2	NEW
1-pole, light grey	341539	10/40	2	



Roller shutter rocker button

10 A, 250 V AC

With mechanical reverse lock-out and electrical interlock.

IP44

Version	Art. no.	PU	PG	Info
1-pole, polar white	345519	10/40	2	NEW
1-pole, light grey	345539	10/40	2	



Momentary/maintained-contact switch for roller shutters for cylinder locks

10 A, 250 V AC

For standard semi-cylinder locks of 40 mm in length.

IP44

Version	Art. no.	PU	PG	Info
2-pole, polar white	347619	1/24	2	NEW
2-pole, light grey	347639	1/24	8	



Roller shutter push-button for cylinder locks

10 A, 250 V AC

For standard semi-cylinder locks of 40 mm in length.

IP44

Version	Art. no.	PU	PG	Info
2-pole, polar white	347919	1/24	2	NEW
2-pole, light grey	347939	1/24	8	

SCHUKO® socket-outlets



SCHUKO socket-outlet with increased protection against accidental contact

16 A, AC 250 V, DIN 49440

Integrated, improved protection against accidental contact in accordance with VDE 0620 Part 1 (replaces the previous designation "child protection").

With plug-in terminals.

IP44

Accessories: Labelling insert, art. no. 235539.

Version	Art. no.	PU	PG	Info
polar white	238919	10/60	2	NEW
light grey	238939	10/60	2	NEW



SCHUKO socket-outlet with increased protection against accidental contact

16 A, AC 250 V

Integrated, improved protection against accidental contact in accordance with VDE 0620 Part 1 (replaces the previous designation "child protection").

With screw terminals.

IP44

Accessories: Labelling insert, art. no. 235539.

Version	Art. no.	PU	PG	Info
polar white	278019	10/60	2	NEW
light grey	278039	10/60	2	NEW



SCHUKO socket-outlet with improved protection against accidental contact, lockable

16 A, AC 250 V, DIN 49440

Integrated, improved protection against accidental contact in accordance with VDE 0620 Part 1 (replaces the previous designation "child protection").

With labelling option and labelling insert.
With screw terminals.

IP 44

▣ **Accessories:** Labelling insert, art. no. 235539.

▣ **Contents:** With security lock, 2 keys per socket-outlet.

Version	Art. no.	PU	PG	Info
different locks, polar white	236519	1/30	2	NEW
different locks, light grey	236539	1/30	2	NEW
identical locks, lock no. 200, polar white	236819	1/30	2	NEW
identical locks, lock no. 200, light grey	236839	1/30	2	NEW
2 identical locks, double set, polar white	236919	1/18	2	NEW
2 identical locks, double set, light grey	236939	1/18	2	NEW



SCHUKO double socket-outlet with increased protection against accidental contact

16 A, AC 250 V, DIN 49440

Integrated, improved protection against accidental contact in accordance with VDE 0620 Part 1 (replaces the previous designation "child protection").

Arranged horizontally and wired together.
With labelling option and labelling insert.
With 4 cable entries.

With plug-in terminals.

IP 44

▣ **Accessories:** Labelling insert, art. no. 235539.

Version	Art. no.	PU	PG	Info
polar white	239519	5/30	2	NEW
light grey	239539	5/30	2	NEW



SCHUKO double socket-outlet with increased protection against accidental contact

16 A, AC 250 V, DIN 49440

Integrated, improved protection against accidental contact in accordance with VDE 0620 Part 1 (replaces the previous designation "child protection").

Arranged vertically and wired together.
With labelling option and labelling insert.
With 2 cable entries.
With plug-in terminals.

IP 44

▣ **Accessories:** Labelling insert, art. no. 235539.

Version	Art. no.	PU	PG	Info
polar white	239619	5/30	2	NEW
light grey	239639	5/30	2	NEW



SCHUKO triple socket-outlet with increased protection against accidental contact

16 A, AC 250 V, DIN 49440

Integrated, improved protection against accidental contact in accordance with VDE 0620 Part 1 (replaces the previous designation "child protection").

With labelling option and labelling insert.
The bases are wired together. With 5 cable entries.

The inserts can be replaced with any other devices in the AQUASTAR range.
With plug-in terminals.

IP 44

▣ **Accessories:** Labelling insert, art. no. 235539.

Version	Art. no.	PU	PG	Info
polar white	239819	1/14	2	NEW
light grey	239839	1/14	2	NEW



Combination SCHUKO socket-outlet with improved protection against accidental contact/two-way switch

Integrated, improved protection against accidental contact in accordance with VDE 0620 Part 1 (replaces the previous designation "child protection").

SCHUKO socket-outlet: 16 A, AC 250 V, DIN 49440.

Combined with two-way switch: 10 AX, AC 250 V.
The inserts can be replaced with any other devices in the AQUASTAR range.

With plug-in terminals.

IP 44

▣ **Accessories:** Labelling insert, art. no. 235539.

Version	Art. no.	PU	PG	Info
polar white	227319	5/30	2	NEW
light grey	227339	5/30	2	NEW

Accessories



Light signal E 14

AC 250 V, max. 5 W

With flat, red hood for max. 5 watt.
For neon and incandescent lamps of max. 38 mm in length.

Can be retrofitted with a shatter-proof dome for max. 10 watt.

IP44

- To be completed with:** Incandescent lamp E 14, art. no. 396676.
Dome for light signal E 14, art. no. 396611/12/13.

Accessories: Dome for light signal E14, art. no. 396611/12/13.

- Contents:** Without neon lamp.

Version	Art. no.	PU	PG	Info
polar white	348019	1/30	2	NEW
light grey	348039	1/30	2	



Double entry

For cables and leads.

Version	Art. no.	PU	PG	Info
polar white	536019	10/1000	2	NEW
grey	536062	10/1000	2	



Connecting element

For close arrangement of several devices.

Version	Art. no.	PU	PG	Info
polar white	535919	10/500	2	NEW
grey	535962	10/500	2	



Mini-trunking entry

For 15 x 15 mm ducts.

Version	Art. no.	PU	PG	Info
polar white	534119	10/240	2	NEW
grey	534162	10/240	2	

CONNECT radio system, configurator



CONNECT radio universal remote control

Radio remote control and IR remote control in a single device. For activating:

- Devices of the Merten CONNECT radio system
- Merten IR devices
- Up to five IR AV devices such as TV, DVD, DVDR, VCR, SAT, cable, AMP and DMR

In connection with the CONNECT radio system, several rooms can be set up with radio components using the remote control. Each room can be configured with up to 9 groups with maximum 12 devices and 3 scenes with maximum 12 devices. Radio features: **System administrator, transmitter**

Functions:

CONNECT radio system

- Programming as a system administrator with the EASY CONNECT method
- Programming with the CONNECT radio configurator
- Individual programming of CONNECT radio push-buttons
- Individual description of rooms and groups
- Display of description in LCD display

Extended functions for IR/AV:

- Activates Philips Ambilight
- Supports more than 1,000 manufacturers. Devices are selected from a list or by entering programming codes.
- General use of the functions of a device (e.g. volume) in all modes.

Radio range: up to 100 m in free field, up to 30 m indoors

IR range: up to 15 m

Battery: 3 microcells (IEC LR 03, AAA)

Display element: LCD display with 10 characters

▶ **Receiver:** All receivers of the Merten CONNECT radio system.

■ **Note:** The device can assume the properties of a system administrator. The remote control must be used as the system administrator in connection with the EASY CONNECT method. In connection with the CONNECT radio configurator, it can be used as required.

Contents: With battery. With a codes table for nearly all conventional devices, like TV, VCR, DVD, SAT, AUX, ...

Version	Art. no.	PU	PG	Info
Aluminium/black	506923	1/14	8	NEW

CONNECT radio system, push-button



CONNECT radio push-button, Move

For System M.

Battery-powered mobile radio transmitter with 1 channel. For activating the Merten CONNECT radio system's radio receiver. A maximum of 12 radio receivers can be connected.

Radio features: **System administrator (see note)**
High level of flexibility when installing. A flush-mounted box is not necessary. The wall bracket is suitable for sticking onto walls or glass, screwing onto walls or flush-mounted boxes as well as installing in a multiple combination.

Channels: 1

Range: up to 100 m free field, up to 30 m indoors

Battery: 1 lithium button cell (CR 2450)

Display elements: LED for transmission confirmation/programming

Dimensions: 44 x 12.5 mm (Ø x H)

▶ **Receiver:** All receivers of the Merten CONNECT radio system.

■ **Note:** The device can assume the features and characteristics of the system administrator. As it concerns a mobile device we recommend that you preferably select a fixed device as system administrator. Instead use for example a CONNECT radio push-button, 1-gang.

Contents: Battery, wall bracket, double-sided adhesive strips, single-sided adhesive foils aluminium-coloured, screws, dowels.

Version	Art. no.	PU	PG	Info
▶ Thermoplastic brilliant				
white, glossy	508144	1/40	8	NEW
polar white, glossy	508119	1/40	8	NEW
active white, glossy	508125	1/40	8	NEW
▶ Thermoplastic classy matt				
white	508044	1/40	8	NEW
polar white	508019	1/40	8	NEW
anthracite	508014	1/40	8	NEW
aluminium	508060	1/40	8	NEW

▶ **Duroplastic, highly scratch-resistant: With this article, use thermoplastic brilliant**



CONNECT radio push-button, Move

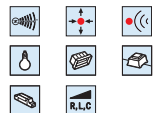
For System Design. Battery-powered mobile radio transmitter with 1 channel. For activating the Merten CONNECT radio system's radio receiver. A maximum of 12 radio receivers can be connected. Radio features: **System administrator (see note)** High level of flexibility when installing. A flush-mounted box is not necessary. The wall bracket is suitable for sticking onto walls or glass, screwing onto walls or flush-mounted boxes as well as installing in a multiple combination.

Channels: 1
Range: up to 100 m free field, up to 30 m indoors
Battery: 1 lithium button cell (CR 2450)
Display elements: LED for transmission confirmation/programming
Dimensions: 44 x 12.5 mm (Ø x H)

- ▣ **Receiver:** All receivers of the Merten CONNECT radio system.
- ▣ **Note:** The device can assume the features and characteristics of the system administrator. As it concerns a mobile device we recommend that you preferably select a fixed device as system administrator. Instead use for example a CONNECT radio push-button, 1-gang.
Contents: Battery, wall bracket, double-sided adhesive strips, single-sided adhesive foils aluminium-coloured, screws, dowels.

Version	Art. no.	PU	PG	Info
▣ Thermoplastic brilliant				
white	508244	1/40	8	NEW
polar white	508219	1/40	8	NEW
aluminium	508260	1/40	8	NEW
▣ metallic				
varnished stainless steel	508246	1/40	8	NEW

CONNECT radio system, switching/dimming



CONNECT radio receiver, flush-mounted, 1-gang universal dimmer

AC 230 V
 To switch and dim external loads. Radio feature: **router**
 For ohmic, inductive and capacitive loads, e.g. incandescent lamps, dimmable wound transformers and electronic transformers.

(Phase control or phase alignment). Manual operation using the key on the device via an extension unit and remote controlled using the CONNECT radio system's transmitter. The integrated universal dimmer automatically recognises the connected load. Do not connect any mixed loads. With memory function. Suitable for installation in a size 60 installation box.

Functions: Switch on, switch off, dim. In connection with the CONNECT radio configurator, additional: staircase timer with warning, memory function that can be switched off, adjustable dimming speed and max. upper limit, master/slave function (with extension unit).

Nominal voltage: AC 230 V
Minimum load: 25 VA
Maximum load: 250 VA
Display elements: LED for status display
Operating elements: Key for local operation and programming
Safety: Overload protection, short-circuit protection
Dimensions: 48 x 52 x 27 mm (HxWxD)

- ▣ **Transmitter:** All transmitters of the Merten CONNECT radio system.

Version	Art. no.	PU	PG	Info
	507900	1/100	8	NEW

Accessories



Flush-mounted system relay for ARGUS smoke detector

The relay is connected to ARGUS smoke detectors and thus acts to forward a smoke alarm to external alarm devices. Depending on the smoke detector, this must be connected either via a separate core in the 230V mains network or per radio.

The relay is powered with mains voltage and has a floating make contact for the external alarm device. You can connect the following alarm devices: horns, warning lights, vibration cushions for the deaf, or KNX binary inputs. These devices must have their own power supply.

Suitable for installation in a size 60 installation box.

Supply voltage: AC 230 V

Contact type: Make contact, floating (SELV)

Switching current: AC 230 V, μ 4 A / DC 24 V, μ 2 A

Connecting terminals: for 2.5 mm²

Dimensions: 44 x 50 x 34 mm (WxHxD)

- ▶ **To be completed with:** ARGUS Connect smoke detector art. no. 5480... ARGUS Connect smoke detector 230 V, art. no. 5485.. ARGUS smoke detector 230 V, art. no. 5475..

Version	Art. no.	PU	PG	Info
	548001	1/60	8.3	NEW



Sealing pin for ARGUS smoke detector

For direct display of smoke detector manipulation. When the smoke detector is removed, a sealing pin inserted into the mounting base breaks.

- ▶ **Accessories from:** ARGUS Connect smoke detector art. no. 5480... ARGUS Connect smoke detector 230 V art. no. 5485.. ARGUS smoke detector 230 V art. no. 5475.. ARGUS Basic smoke detector 230 V art. no. 547019. ARGUS Basic Longlife smoke detector 230 V art. no. 547119.

- ▶ **Contents:** 1 PU = 50 sealing pins

Version	Art. no.	PU	PG	Info
black	547000	1/50	8.3	NEW

Power supplies



KNX power supply REG-K/160 mA

For generating the bus voltage for a line with up to 32 bus devices.

With integrated choke to decouple the power supply from the bus and a push-button to disconnect the power and reset the bus devices connected to the line.

For installation on DIN rails EN 60715. The bus is connected using a bus connecting terminal; a data rail is not necessary.

Mains voltage: AC 110 - 230 V, 50-60 Hz

Output voltage: DC 30 V \pm 2 V

Output current: max. 160 mA, short-circuit-proof

Device width: 4 TE = approx. 72 mm

- **Contents:** With bus connecting terminal and cable cover.
- Availability:** September 2008

Version	Art. no.	PU	PG	Info
light grey	684016	1/10	9.3	NEW



KNX power supply REG-K/160 mA with emergency input

For generating the bus voltage for a line with up to 32 bus devices. The emergency power supply REG can be connected in order to buffer the bus voltage.

With integrated choke to decouple the power supply from the bus and a push-button to disconnect the power and reset the bus devices connected to the line.

For installation on DIN rails EN 60715. The bus is connected using a bus connecting terminal; a data rail is not necessary.

Mains voltage: AC 110 - 230 V, 50-60 Hz

Output voltage: DC 30 V \pm 2 V

Output current: max. 160 mA, short-circuit-proof

Device width: 4 TE = approx. 72 mm

- **Accessories:** REG emergency power supply, art. no. 683901.
- **Contents:** With bus connecting terminal and cable cover.
- Availability:** September 2008

Version	Art. no.	PU	PG	Info
light grey	683816	1/10	9.3	NEW



KNX power supply REG-K/320 mA

For generating the bus voltage for a line with up to 64 bus devices.

With integrated choke to decouple the power supply from the bus and a push-button to disconnect the power and reset the bus devices connected to the line.

For installation on DIN rails EN 60715. The bus is connected using a bus connecting terminal; a data rail is not necessary.

Mains voltage: AC 110 - 230 V, 50-60 Hz

Output voltage: DC 30 V \pm 2 V

Output current: max. 320 mA, short-circuit-proof

Device width: 4 TE = approx. 72 mm

- **Contents:** With bus connecting terminal and cable cover.
- Availability:** September 2008

Version	Art. no.	PU	PG	Info
light grey	684032	1/10	9.3	NEW



KNX power supply REG-K/320 mA with emergency input

For generating the bus voltage for a line with up to 64 bus devices. The emergency power supply REG can be connected in order to buffer the bus voltage.

With integrated choke to decouple the power supply from the bus and a push-button to disconnect the power and reset the bus devices connected to the line.

For installation on DIN rails EN 60715. The bus is connected using a bus connecting terminal; a data rail is not necessary.

Mains voltage: AC 110 - 230 V, 50-60 Hz

Output voltage: DC 30 V \pm 2 V

Output current: max. 320 mA, short-circuit-proof

Device width: 4 TE = approx. 72 mm

- **Accessories:** REG emergency power supply, art. no. 683901.
- **Contents:** With bus connecting terminal and cable cover.
- Availability:** September 2008

Version	Art. no.	PU	PG	Info
light grey	683832	1/10	9.3	NEW



KNX power supply REG-K/640 mA

For generating the bus voltage for a line with up to 64 bus devices.

With integrated choke to decouple the power supply from the bus and a push-button to disconnect the power and reset the bus devices connected to the line.

For installation on DIN rails EN 60715. The bus is connected using a bus connecting terminal; a data rail is not necessary.

Mains voltage: AC 110 - 230 V, 50-60 Hz

Output voltage: DC 30 V \pm 2 V

Output current: max. 640 mA, short-circuit-proof

Device width: 4 TE = approx. 72 mm

- **Contents:** With bus connecting terminal and cable cover.
- Availability:** September 2008

Version	Art. no.	PU	PG	Info
light grey	684064	1/10	9.3	NEW



KNX power supply unit REG-K/640 mA with emergency power input

For generating the bus voltage for a line with up to 64 bus devices. The emergency power supply REG can be connected in order to buffer the bus voltage.

With integrated choke to decouple the power supply from the bus and a push-button to disconnect the power and reset the bus devices connected to the line.

For installation on DIN rails EN 60715. The bus is connected using a bus connecting terminal; a data rail is not necessary.

Mains voltage: AC 110 - 230 V, 50-60 Hz

Output voltage: DC 30 V \pm 2 V

Output current: max. 640 mA, short-circuit-proof

Device width: 4 TE = approx. 72 mm

- **Accessories:** REG emergency power supply, art. no. 683901.
- **Contents:** With bus connecting terminal and cable cover.

Version	Art. no.	PU	PG	Info
light grey	683890	1/10	9.3	NEW



REG emergency power supply

To buffer the bus voltage. If a complete mains failure occurs, an external lead gel battery with a voltage of DC 12 V (SELV) can be connected to the REG power supply for buffering. The lead gel battery is recharged or maintained in its charged state by integrated charging electronics.

A binary input can be connected in order to register the operational statuses (mains voltage, error warning, battery operation).

For installation on DIN rails EN 60715. A data rail is not necessary.

Mains voltage: AC 110 - 230 V, 50-60 Hz

Output to power supply:

Output voltage: DC 30 V \pm 2 V

Output current:

without battery with mains supply max. 300 mA,

with battery without mains supply max. 640 mA

Short-circuit current: < 1.5 A

Charging current: max. 1 A

Connections: plug-in screw terminal for main connector, operating state (4-pin, 3 floating contacts) and emergency power supply. Plug-in terminal for battery connection (two 1 mm pins)

Device width: 4 TE = approx. 72 mm

- ▶ **In KNX, to be completed with:** KNX power supply REG-K/160 mA with emergency power input, art. no. 683816. KNX power supply REG-K/320 mA with emergency power input, art. no. 683832. KNX power supply REG-K/640 mA with emergency power input, art. no. 683890.

Accessories: Lead gel battery, art. no. 668990. Lead gel battery, art. no. 668991. Binary input REG-K/4x10 art. no. 644492. Binary input REG-K/8x10, art. no. 644592.

- **Contents:** With connecting terminal and cable cover

Version	Art. no.	PU	PG	Info
light grey	683901	1/10	9.3	NEW

Interfaces/gateways



TeleController Plus REG-K

The TeleController Plus REG-K connects the telephone network with conventional inputs/outputs and KNX.

- Six switch outputs for conventional relays or surge switches.
- Six connections, in order to show the current switching status of the surge switch.
- Six signal inputs for break or make contacts. The TeleController can forward incoming signals to selected participants.
- Up to 20 communication objects for KNX. To control devices or display the statuses.
- Connection for an alarm acknowledgement key to reset active messages, for example.
- Connection to functionally switch off the TeleController.

This is controlled using a conventional DTMF telephone or a DTMF hand transmitter. Messages are conveyed by announcements, SMS, e-mail or fax to the selected participants. The corresponding texts can be changed with the handset.

The device is operated with a rotary knob and is supported by display texts and announcements. The PC software provided enable convenient operation and configuration.

With integrated bus coupler. For installation on DIN rails EN 60715. The bus is connected using screw terminals; a data rail is not necessary.

Power supply: DC 12-24 V

Power consumption: 90 mA at 24 V (open circuit), 790 mA at 24 V (max. load)

Switch outputs: 6, 100 mA at 12 V/24 V

Alarm outputs: 1, 100 mA at 12 V/24 V

Signal inputs: 6, for floating make or break contacts

Telephone: Analogue, CTR 21, line length 3 m

KNX: Screw terminals

RS 232: Cable length 3 m

Device width: 8 TE = approx. 144 mm

- ▶ **Accessories:** Handset, art. no. 660790.

- ▶ **ISDN and GSM version on request.**

Contents: PC software, connection cable RS 232.

Version	Art. no.	PU	PG	Info
analogue, light grey	680790	1/6	9.3	NEW



KNX DALI gateway REG-K/1/16(64)/64

The DALI gateway connects the KNX with digital electronic ballasts equipped with a DALI interface. The gateway is the DALI master and power supply for the electronic ballasts. It supports the switching and dimming of up to 64 electronic ballasts in 16 groups and the control of 16 light-scenes. In addition, the 64 electronic ballasts can be individually activated via KNX or compiled via KNX group addresses.

Error messages of individual electronic ballasts or each connected lamp can be transmitted to the KNX and visualised on display devices. DALI commissioning and configuration, as well as group assignment and scene setting can be carried out using:

- the device (display and operating buttons)
- a software tool (free of charge)
- the integrated Web server. The RH45 connection is used for connection to a PC (with standard browser).
- a portable Web panel or a PDA

The device has 2 inputs for connecting push-buttons (building site operation), for example.

For installation on DIN rails EN 50022. The bus is connected using a bus connecting terminal; a data rail is not necessary. The network and the DALI cable as well as the switch inputs are connected via screw terminals on the device.

Supply voltage: AC 110 - 240 V, 50 - 60 Hz

Inputs: 2, passive DC 9 - 36 V or AC 9 - 24 V

Outputs: DALI D+, D- in line with DALI specification DC 16 - 18 V, 150 mA, short circuit-proof

Interfaces: 1xRJ45

Connecting cable: 1.5 - 2.5 mm²

Type of protection: IP 20

Device width: 6 TE = approx. 108 mm

Contents: With bus connecting terminal.

Version	Art. no.	PU	PG	Info
light grey	680191	1/20	9.3	NEW



KNX Internet controller IC1-V2 REG-K, merten@home

Monitoring and control of systems and buildings via the Internet.

The Internet connection is established using art. no.

- 695190 via Ethernet (DSL-router)
- 695191 via the integrated analogue modem (56 kBit/s)
- 695192 via the integrated ISDN modem (64 k/ Bits/s)

With LAN/Ethernet interface for networking up to 32 additional IC1 devices. The user interface "merten@home" is created using the IC1 configurator merten@home 2.0.

With integrated bus coupler. For installation on DIN rails EN 60715. The bus is connected using a bus connecting terminal; a data rail is not necessary.

Power consumption: approx. 5 W

Power supply: DC 12-32 V

KNX objects: 256

Interfaces: 1xRJ45 Ethernet 10/100 Mbit/s

Art. no. 695191: 1xRJ45 analogue modem, 56 kBit/s

Art. no. 695192: 1xRJ45 ISDN, 64 kBit/s

Video channels: 8 (URL), max. image size depends on the camera used

Video memory: max. 128 images with 320 x 240 pixel, JPG photo format

History memory: 6 input channels, 128,000 data points/channel

Year time switch: with 32 programs, DCF77 synchronised via Domoport

Macros: max. 16 parallel macros, 32 programmable internal variables, logical, mathematical, comparative and chronological function modules.

Device width: 6 TE = approx. 108 mm

In KNX, to be completed with: Power supply REG, DC 24 V/0.4 A, art. no. 693003.

Accessories: IC1 configurator merten@home 2.0.

GSM version on request.

Contents: User handbook on CD, log on data for Domoport, one 3 m cable each for network and telephone.

Version	Art. no.	PU	PG	Info
without modem, light grey	695190	1/4	9.3	NEW
analogue, light grey	695191	1/4	9.3	NEW
ISDN, light grey	695192	1/4	9.3	NEW

Push-buttons System M



Multi-function push-button, 4-gang with room temperature control unit and IR receiver

Application module for System M. Convenient control unit with 8 operating buttons, operating and status display and labelling field. The operating display can also be used as an orientation light.

With room temperature control unit and display. With integrated piezoelectric buzzer to display alarm states and IR receiver. All functions of the respective buttons can be controlled via IR remote control Distance.

The room temperature control unit can be used for heating and cooling with infinitely adjustable KNX valve drives or to trigger switch actuators and heating actuators. With the white backlit display for showing e.g. the time, date, temperature and operating mode. Menu for setting default operating modes, setpoint value, working/non-working day, display mode, time, switching times and brightness.

The push-buttons are freely parameterisable as push-button pairs (dual-surface) or as single push-buttons.

KNX software functions:

Functions of the multi-function push-button:

Switching, toggling, dimming, blind control (relative or absolute), pulse edges trigger 1-, 2- or 8-bit telegrams (distinction between short and long operation), pulse edges with 2-byte telegrams (distinction between short and long operation), 8-bit linear regulator, scene retrieval, scene saving, disable functions, timed control with synchronisation, alarm functions, the cyclic reading of external temperature values, fan control.

Functions of the room temperature control unit:

Type of controller: 2-step control, continuous PI control, switching PI control (PWM)

Output: Continuous in the range 0..100% or switching ON/OFF

Controller mode:

- Heating with one controller output
- Cooling with one controller output
- Heating and cooling with separate controller outputs
- Heating and cooling with one controller output
- 2-step heating with 2 control outputs
- 2-step cooling with 2 control outputs

Operating modes: comfort, comfort extension, standby, night economy, frost/heat protection
Operation: Menu

- ▣ **To be completed with:** Frame 2-gang without central bridge piece, art. no. 1-M 3898..., ATELIER-M 3888..., M-SMART 4788..., 4848..., M-ARC 4858..., M-STAR 4668..., 4768..., 4868..., M-PLAN 4888..., M-PLAN glass 4878..., M-PLAN metal frame 4758...

In KNX, to be completed with: Flush-mounted module for multi-function push-button with room temperature control unit, art. no. 623299.

Accessories: Labelling software, art. no. 615022.

Transmitter: IR remote control Distance, art. no. 570222.

- ▣ **Note:** If you already have the labelling software, you can download the form for the multi-function push-button at www.merten.com. Use to label conventional foils (max. thickness 0.1 mm). For each device only one flat size 60 mounting box and one flush-mounted module are required.

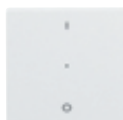
Contents: With screw for tamper-proofing, adhesive label, barrier covering the IR receiver.

Availability: September 2008

Version	Art. no.	PU	PG	Info
Thermoplastic brilliant				
white, glossy	634644	1/17	9	NEW
polar white, glossy	634619	1/17	9	NEW
active white, glossy	634625	1/17	9	NEW

Thermoplastic classy matt				
white	633644	1/17	9	NEW
polar white	633619	1/17	9	NEW
anthracite	633614	1/17	9	NEW
aluminium	633660	1/17	9	NEW

▣ **Duroplastic, highly scratch-resistant: With this article, use thermoplastic brilliant**



Rocker for 1-gang push-button module with 1/0 imprint

For System M.

The rocker is attached to the 1-gang push-button module.

- ▣ **In KNX, to be completed with:** EIB push-button module, 1-gang, art. no. System M 625199.

Accessories: Protective hood for plaster, System M, art. no. 627591...

Version	Art. no.	PU	PG	Info
Thermoplastic brilliant				
white, glossy	619344	1/150	9	NEW
polar white, glossy	619319	1/150	9	
active white, glossy	619325	1/150	9	

Thermoplastic classy matt				
white	625444	1/150	9	
polar white	625419	1/150	9	
anthracite	625414	1/150	9	
aluminium	625460	1/150	9	

▣ **Duroplastic, highly scratch-resistant: With this article, use thermoplastic brilliant**



Rocker for 1-gang push-button module with up/down arrow imprint

For System M.

The rocker is attached to the 1-gang push-button module.

- ▣ **In KNX, to be completed with:** EIB push-button module, 1-gang, art. no. System M 625199.

Accessories: Protective hood for plaster, System M, art. no. 627591...

Version	Art. no.	PU	PG	Info
Thermoplastic brilliant				
white, glossy	619444	1/150	9	NEW
polar white, glossy	619419	1/150	9	
active white, glossy	619425	1/150	9	

Thermoplastic classy matt				
white	625544	1/150	9	
polar white	625519	1/150	9	
anthracite	625514	1/150	9	
aluminium	625560	1/150	9	

▣ **Duroplastic, highly scratch-resistant: With this article, use thermoplastic brilliant**



Rockers for 2-gang push-button module with 1/0 and up/down arrow imprint

For System M.
The rockers are attached to the 2-gang push-button module.

▣ **To be completed with:** Push-button module, 2-gang, art. no. System M 568499.

In KNX, to be completed with: EIB push-button module, 2-gang, art. no. System M 625299.

Accessories: Protective hood for plaster, System M, art. no. 627591...

Version	Art. no.	PU	PG	Info
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▣ Thermoplastic brilliant

white, glossy	619544	1/150	9	NEW
polar white, glossy	619519	1/150	9	
active white, glossy	619525	1/150	9	

▣ Thermoplastic classy matt

white	625644	1/150	9
polar white	625619	1/150	9
anthracite	625614	1/150	9
aluminium	625660	1/150	9

▣ **Duroplastic, highly scratch-resistant: With this article, use thermoplastic brilliant**



Rockers for 2-gang push-button module with up/down arrow and 1/0 imprint

For System M.
The rockers are attached to the 2-gang push-button module.

▣ **To be completed with:** Push-button module, 2-gang, art. no. System M 568499.

In KNX, to be completed with: EIB push-button module, 2-gang, art. no. System M 625299.

Accessories: Protective hood for plaster, System M, art. no. 627591...

Version	Art. no.	PU	PG	Info
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▣ Thermoplastic brilliant

white, glossy	619644	1/150	9	NEW
polar white, glossy	619619	1/150	9	
active white, glossy	619625	1/150	9	

▣ Thermoplastic classy matt

white	625744	1/150	9
polar white	625719	1/150	9
anthracite	625714	1/150	9
aluminium	625760	1/150	9

▣ **Duroplastic, highly scratch-resistant: With this article, use thermoplastic brilliant**



Rockers for 2-gang push-button module with up/down arrow imprint

For System M.
The rockers are attached to the 2-gang push-button module.

▣ **To be completed with:** Push-button module, 2-gang, art. no. System M 568499.

In KNX, to be completed with: EIB push-button module, 2-gang, art. no. System M 625299.

Accessories: Protective hood for plaster, System M, art. no. 627591...

Version	Art. no.	PU	PG	Info
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▣ Thermoplastic brilliant

white, glossy	619744	1/150	9	NEW
polar white, glossy	619719	1/150	9	
active white, glossy	619725	1/150	9	

▣ Thermoplastic classy matt

white	625844	1/150	9
polar white	625819	1/150	9
anthracite	625814	1/150	9
aluminium	625860	1/150	9

▣ **Duroplastic, highly scratch-resistant: With this article, use thermoplastic brilliant**

Movement detectors



KNX ARGUS 180/2.20 m flush-mounted

For System M.

Indoor movement detector with anti-crawl protection.

When a movement is detected, a data telegram defined by the programming is transmitted. With integrated bus coupling unit. For wall mounting in a size 60 mounting box, optimal installation at 2.2 m.

KNX software functions:

Five movement blocks: up to four functions can be triggered per block. Telegrams: 1 bit, 1 byte, 2 bytes.

Normal operation, master, slave, safety pause, disable function. Sensitivity, brightness and staircase timer can be set using the ETS or the potentiometer. Two movement sensors: the sensitivity and range can be set separately for each sensor. Self-adjusting staircase timer.

Angle of detection: 180°

Range: 8 m right/left, 12 m to the front (for a mounting height of 2.20 m)

Mounting height: 2.2 m or 1.1 m with half the range

Number of levels: 6

Number of zones: 46

Number of movement sensors: 2, sector-orientated, adjustable

Sensitivity: infinitely adjustable (ETS or potentiometer)

Light sensor: infinitely adjustable from approx. 10 to 2000 Lux (ETS or potentiometer)

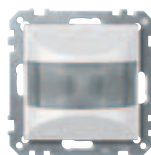
Time: adjustable in steps from 1 s to 8 min (potentiometer) or adjustable from 1 s to 255 hours (ETS)

EC Directives: Low-voltage guideline 73/23/EEC and EMC guideline 89/336/EEC

- **Contents:** With bus connecting terminal and supporting plate. With cover segments to limit the area of detection.

Version	Art. no.	PU	PG	Info
Thermoplastic brilliant				
white, glossy	631744	1/30	9	NEW
polar white, glossy	631719	1/30	9	NEW
active white, glossy	631725	1/30	9	NEW
Thermoplastic classy matt				
white	632744	1/30	9	NEW
polar white	632719	1/30	9	NEW
anthracite	632714	1/30	9	NEW
aluminium	632760	1/30	9	NEW

- **Duroplastic, highly scratch-resistant: With this article, use thermoplastic brilliant**



KNX ARGUS 180, flush-mounted

For System M.

Movement detector for indoors.

When a movement is detected, a data telegram defined by the programming is transmitted.

With integrated bus coupling unit.

KNX software functions:

Five movement blocks: up to four functions can be triggered per block. Telegrams: 1 bit, 1 byte, 2 bytes.

Normal operation, master, slave, safety pause, disable function. Sensitivity, brightness and staircase timer can be set using the ETS or the potentiometer. Self-adjusting staircase timer.

Angle of detection: 180°

Range: 8 m (for mounting height of 1.1 m)

Number of levels: 1

Number of zones: 14

Sensitivity: infinitely adjustable (ETS or potentiometer)

Light sensor: infinitely adjustable from approx. 10 to 2000 Lux (ETS or potentiometer)

Time: adjustable in steps from 1 s to 8 min (potentiometer) or adjustable from 1 s to 255 hours (ETS)

EC Directives: Low-voltage guideline 73/23/EEC and EMC guideline 89/336/EEC

- **Contents:** With bus connecting terminal and supporting plate.

Version	Art. no.	PU	PG	Info
Thermoplastic brilliant				
white, glossy	631644	1/30	9	NEW
polar white, glossy	631619	1/30	9	NEW
active white, glossy	631625	1/30	9	NEW
Thermoplastic classy matt				
white	632644	1/30	9	NEW
polar white	632619	1/30	9	NEW
anthracite	632614	1/30	9	NEW
aluminium	632660	1/30	9	NEW

- **Duroplastic, highly scratch-resistant: With this article, use thermoplastic brilliant**



KNX ARGUS 180, flush-mounted

For System Design.
Movement detector for indoors.
When a movement is detected, a data telegram defined by the programming is transmitted. With integrated bus coupling unit.

KNX software functions:

Five movement blocks: up to four functions can be triggered per block. Telegrams: 1 bit, 1 byte, 2 bytes.
Normal operation, master, slave, safety pause, disable function. Sensitivity, brightness and staircase timer can be set using the ETS or the potentiometer. Self-adjusting staircase timer.

Angle of detection: 180°

Range: 8 m (for mounting height of 1.1 m)

Number of levels: 1

Number of zones: 14

Sensitivity: infinitely adjustable (ETS or potentiometer)

Light sensor: infinitely adjustable from approx. 10 to 2000 Lux (ETS or potentiometer)

Time: adjustable in steps from 1 s to 8 min (potentiometer) or adjustable from 1 s to 255 hours (ETS)

EC Directives: Low-voltage guideline 73/23/EEC and EMC guideline 89/336/EEC

■ **Contents:** With bus connecting terminal and supporting plate.

Version	Art. no.	PU	PG	Info
Thermoplastic brilliant				
white	631844	1/30	9	NEW
polar white	631819	1/30	9	NEW
aluminium	631860	1/30	9	NEW
metallic				
varnished stainless steel	631846	1/30	9	NEW



KNX ARGUS 220

KNX movement detector for outdoors.
Potentiometers for setting functions are located underneath the cover plate. With integrated bus coupler. A programming magnet is necessary to program the physical address.

KNX software functions:

Five movement blocks: up to four functions can be triggered per block. Telegrams: 1 bit, 1 byte, 2 bytes.
Normal operation, master, slave, safety pause, disable function. Sensitivity, brightness and staircase timer can be set using the ETS or the potentiometer. Self-adjusting staircase timer.

Angle of detection: 220°

Range: max. 16 m

Number of levels: 7

Number of zones: 112 with 448 switching segments

Light sensor: infinitely variable from approx. 3 - 1000 lux, ∞ lux (infinite: movement detection is independent of the position of the sensor head)

Time: can be set externally from 1 s to approx. 8 min. in 6 levels or via ETS from approx. 3 s to approx. 152 hours

Sensitivity: infinitely adjustable

Possible settings for sensor head:

Wall mounting: 9° up, 24° down, 12° left/right, ±12° axial

Ceiling mounting: 4° up, 29° down, 25° left/right, ±8.5° axial

EC directives: Low-voltage guideline 73/23/EEC and EMC directive 89/336/EEC

Type of protection: IP 55

■ **Accessories:** Mounting bracket, art. no. 565291/92/93. Programming magnet for valve drive EMO, art. no. 639190.

■ **Contents:** With cover plate and segments to limit the area of detection, screws and plugs.

Availability: September 2008

Version	Art. no.	PU	PG	Info
polar white	632519	1/12	9	NEW
dark brazil	632515	1/6	9	NEW
aluminium	632569	1/6	9	NEW

Presence detector



KNX ARGUS Presence Basic

Presence detection indoors.

If KNX ARGUS Presence detects smaller movements in the room, data telegrams are transmitted via KNX to control the lighting, blind or heating at the same time.

When the lighting is controlled by brightness-dependent movement detection, the device constantly monitors the brightness in the room. If sufficient natural light is at hand, the device switches the artificial light off even if a person is present. The overshoot time can be adjusted using the ETS.

With integrated bus coupling unit. For ceiling mounting in a size 60 mounting box, optimal installation at 2.5 m. Can also be mounted to ceilings using the surface mounting housing for ARGUS Presence.

KNX software functions:

Two movement/presence blocks: up to four functions can be triggered per block. Telegrams: 1 bit, 1 byte, 2 bytes.

Normal operation (no master/slave), safety pause, disable function. Self-adjusting staircase timer. Actual brightness value: can be specified via the internal and/or an external light sensor.

Angle of detection: 360°

Range: a radius of max. 7 m (at a mounting height of 2.50 m)

Number of levels: 6

Number of zones: 136 with 544 switching segments

Number of movement sensors: 4

Light sensor: internal light sensor infinitely adjustable from approx. 10 to 2000 Lux (ETS); external light sensor via KNX

EC Directives: Low-voltage guideline 73/23/EEC and EMC guideline 89/336/EEC

▣ **Accessories:** Surface-mounted housing for ARGUS Presence, art. no. 550619.

▣ **Contents:** With bus connecting terminal and supporting plate.

Version	Art. no.	PU	PG	Info
polar white	630719	1/6	9	NEW
aluminium	630760	1/6	9	NEW



KNX ARGUS Presence

Presence detection indoors.

If KNX ARGUS Presence detects smaller movements in the room, data telegrams are transmitted via KNX to control the lighting, blind or heating at the same time.

When the lighting is controlled by brightness-dependent movement detection, the device constantly monitors the brightness in the room. If sufficient natural light is at hand, the device switches the artificial light off even if a person is present. The overshoot time can be adjusted using the ETS.

With integrated bus coupling unit. For ceiling mounting in a size 60 mounting box, optimal installation at 2.5 m. Can also be mounted to ceilings using the surface mounting housing for ARGUS Presence.

KNX software functions:

Five movement/presence blocks: up to four functions can be triggered per block. Telegrams: 1 bit, 1 byte, 2 bytes.

Normal operation, master, slave, monitoring, safety pause, disable function. Four movement sensors: the sensitivity and range can be set separately for each sensor. Self-adjusting staircase timer. Actual brightness value: can be detected via the internal and/or an external light sensor. Actual value correction.

Angle of detection: 360°

Range: a radius of max. 7 m (at a mounting height of 2.50 m)

Number of levels: 6

Number of zones: 136 with 544 switching segments

Number of movement sensors: 4, separately adjustable

Light sensor: internal light sensor infinitely adjustable from approx. 10 to 2000 Lux (ETS); external light sensor via KNX

EC Directives: Low-voltage guideline 73/23/EEC and EMC guideline 89/336/EEC

▣ **Accessories:** Surface-mounted housing for ARGUS Presence, art. no. 550619.

▣ **Contents:** With bus connecting terminal and supporting plate.

Version	Art. no.	PU	PG	Info
polar white	630819	1/6	9	NEW
aluminium	630860	1/6	9	NEW



KNX ARGUS Presence with light control and IR receiver

Presence detection indoors.

If KNX ARGUS Presence detects smaller movements in the room, data telegrams are transmitted via KNX to control the lighting, blind or heating at the same time.

When the lighting is controlled by brightness-dependent movement detection, the device constantly monitors the brightness in the room. If sufficient natural light is at hand, the device switches the artificial light off even if a person is present. The overshoot time can be adjusted using the ETS.

Light control enables the required brightness in a room to be achieved permanently. Dimming and the optional use of a second lighting group maintains a constant brightness.

Individual ARGUS Presence configurations can be changed or other KNX devices can be controlled remotely using the IR receiver.

With integrated bus coupling unit. For ceiling mounting in a size 60 mounting box, optimal installation at 2.5 m. Can also be mounted to ceilings using the surface mounting housing for ARGUS Presence.

KNX software functions:

Five movement/presence blocks: up to four functions can be triggered per block. Telegrams: 1 bit, 1 byte, 2 bytes.

An additional light control block: brightness can be maintained constant by dimming and an additional adjustable level.

IR receiver function. IR configuration: setting the brightness threshold, staircase timer factors or range.

Normal operation, master, slave, monitoring, safety pause, disable function. Four movement sensors: the sensitivity and range can be set separately for each sensor. Self-adjusting staircase timer. Actual brightness value: can be detected via the internal and/or an external light sensor. Actual value correction.

Angle of detection: 360°

Range: a radius of max. 7 m (at a mounting height of 2.50 m)

Number of levels: 6

Number of zones: 136 with 544 switching segments

Number of movement sensors: 4, separately adjustable

Light sensor: internal light sensor infinitely adjustable from approx. 10 to 2000 Lux (ETS); external light sensor via KNX

Number of IR channels: 10 for controlling KNX devices, 10 for configuration

EC Directives: Low-voltage guideline 73/23/EEC and EMC guideline 89/336/EEC

■ **Accessories:** Surface-mounted housing for ARGUS Presence, art. no. 550619.

Transmitter: IR remote control Distance, art. no. 570222.

■ **Contents:** With bus connecting terminal and supporting plate.

Version	Art. no.	PU	PG	Info
polar white	630919	1/6	9	NEW
aluminium	630960	1/6	9	NEW



KNX ARGUS Presence 180/2.20 m flush-mounted

For System M.

Presence detection indoors.

If KNX ARGUS Presence detects smaller movements in the room, data telegrams are transmitted via KNX to control the lighting, blind or heating at the same time.

When the lighting is controlled by brightness-dependent movement detection, the device constantly monitors the brightness in the room. If sufficient natural light is at hand, the device switches the artificial light off even if a person is present. The overshoot time can be adjusted using the ETS.

With integrated bus coupling unit. For wall mounting in a size 60 mounting box, optimal installation at 2.2 m. With anti-crawl protection.

KNX software functions:

Five movement/presence blocks: up to four functions can be triggered per block. Telegrams: 1 bit, 1 byte, 2 bytes.

Normal operation, master, slave, monitoring, safety pause, disable function. Two movement sensors: the sensitivity and range can be set separately for each sensor. Self-adjusting staircase timer. Actual brightness value: can be detected via the internal and/or an external light sensor. Actual value correction.

Angle of detection: 180°

Range: 8 m right/left, 12 m to the front (for a mounting height of 2.20 m)

Mounting height: 2.2 m or 1.1 m at half the range

Time: adjustable in steps from 1 s to 8 min (potentiometer) or adjustable from 1 s to 255 hours (ETS)

Number of levels: 6

Number of zones: 46

Number of movement sensors: 2, separately adjustable

Light sensor: internal light sensor infinitely adjustable from approx. 10 to 2000 Lux (ETS); external light sensor via KNX

EC Directives: Low-voltage guideline 73/23/EEC and EMC guideline 89/336/EEC

■ **Contents:** With bus connecting terminal and supporting plate. With cover segments to limit the area of detection.

Version	Art. no.	PU	PG	Info
Thermoplastic brilliant				
white, glossy	630444	1/30	9	NEW
polar white, glossy	630419	1/30	9	NEW
active white, glossy	630425	1/30	9	NEW
Thermoplastic classy matt				
white	630644	1/30	9	NEW
polar white	630619	1/30	9	NEW
anthracite	630614	1/30	9	NEW
aluminium	630660	1/30	9	NEW

■ **Duroplastic, highly scratch-resistant:** With this article, use thermoplastic brilliant

Room temperature control units



KNX Room temperature control unit, flush-mounted/PI with 4-gang push-button interface

For System M.

The device is a room temperature control unit and a binary input. Depending on the operating mode, the current temperature setpoint value and the room temperature, a control value for the heating or cooling control unit is transmitted to the KNX. The temperature can either be recorded by the internal or the external temperature sensor which must be connected to the push-button interface.

The push-button interface generates an internal signal voltage for connecting max. four conventional push-buttons or floating contacts. Of these, two inputs can be used to connect low current LEDs.

KNX software functions:

Functions of the room temperature control unit:

Controller type: 2-step control, continuous PI control, switching PI control (PWM)

Output: continuous in the range 0 to 100% or switching ON/OFF

Controller mode:

- Heating with one controller output
- Cooling with one controller output
- Heating and cooling with separate controller outputs
- Heating and cooling with one controller output
- 2-step heating with 2 control outputs
- 2-step cooling with 2 control outputs

Operating modes: comfort, comfort extension, standby, night economy, frost/heat protection
Operation: Setpoint adjustment can be parameterised in the range with adjusting wheel; presence push-button functions can be parameterised/switched off

Valve protection, controller disable

Push-button interface functions:

Switching, dimming, external blinds, valuator (dimming valuator, extension unit for light scenes with/without memory function, temperature valuator, brightness valuator).

Push-button interface: up to 4 inputs, 2 of which can be used as outputs and one for connecting the remote sensor.

Output voltage: 5 V (SELV)

Output current: max. 0.8 mA

Max. cable length: Inputs/outputs max. 5 m, remote sensor max. 50 m

- ▣ **Accessories:** Remote sensor for KNX room temperature control unit, UP/PI art. no. 616790.

Version	Art. no.	PU	PG	Info
▣ Thermoplastic brilliant				
white, glossy	616744	1/50	9	NEW
polar white, glossy	616719	1/50	9	NEW
active white, glossy	616725	1/50	9	NEW
▣ Thermoplastic classy matt				
white	616844	1/50	9	NEW
polar white	616819	1/50	9	NEW
anthracite	616814	1/50	9	NEW
aluminium	616860	1/50	9	NEW

- ▣ **Duroplastic, highly scratch-resistant: With this article, use thermoplastic brilliant**



KNX Room temperature control unit, flush-mounted/PI with 4-gang push-button interface

For System Design.

The device is a room temperature control unit and a binary input. Depending on the operating mode, the current temperature setpoint value and the room temperature, a control value for the heating or cooling control unit is transmitted to the KNX. The temperature can either be recorded by the internal or the external temperature sensor which must be connected to the push-button interface.

The push-button interface generates an internal signal voltage for connecting max. four conventional push-buttons or floating contacts. Of these, two inputs can be used to connect low current LEDs.

KNX software functions:

Functions of the room temperature control unit:

Controller type: 2-step control, continuous PI control, switching PI control (PWM)

Output: continuous in the range 0 to 100% or switching ON/OFF

Controller mode:

- Heating with one controller output
- Cooling with one controller output
- Heating and cooling with separate controller outputs
- Heating and cooling with one controller output
- 2-step heating with 2 control outputs
- 2-step cooling with 2 control outputs

Operating modes: comfort, comfort extension, standby, night economy, frost/heat protection

Operation: Setpoint adjustment can be parameterised in the range with adjusting wheel; presence push-button functions can be parameterised/switched off

Valve protection, controller disable

Push-button interface functions:

Switching, dimming, external blinds, valuator (dimming valuator, extension unit for light scenes with/without memory function, temperature valuator, brightness valuator).

Push-button interface: up to 4 inputs, 2 of which can be used as outputs and one for connecting the remote sensor.

Output voltage: 5 V (SELV)

Output current: max. 0.8 mA

Max. cable length: Inputs/outputs max. 5 m, remote sensor max. 50 m

- ▣ **Accessories:** Remote sensor for KNX room temperature control unit, UP/PI art. no. 616790.

Version	Art. no.	PU	PG	Info
▣ Thermoplastic brilliant				
white	616944	1/50	9	NEW
polar white	616919	1/50	9	NEW
aluminium	616960	1/50	9	NEW
▣ metallic				
varnished stainless steel	616946	1/50	9	NEW



Remote sensor for room temperature control unit UP/PI

Temperature sensor the floor/room temperature measurement

Cable length: 4 m (2 x 0.75 mm²)

- ▣ **To be completed with:** KNX room temperature control unit, UP/PI with push-button interface, 4-gang, art. no. System M 6167..., 6168... KNX room temperature control unit, UP/PI with push-button interface, 4-gang, art. no. System Design 6169...

Version	Art. no.	PU	PG	Info
black	616790	1/48	9	NEW

Other sensors



KNX Basic weather station

The KNX Basic weather station records weather data, analyses these and can transmit them to the bus. The device has a wind sensor, precipitation sensor, temperature sensor and brightness sensor.

- Wind, brightness and temperature are each sent as a 2-byte value, rain as 1-byte. Wind can be sent either in m/s or km/h.
- 4 universal channels for single tasks or logic operations. Four logic functions per channel are possible.
- 3 sun protection channels for external blinds/roller shutter control. For example, this makes sun protection for up to three facades possible. Objects for: twilight threshold, brightness threshold, drive control, automatic sun function, teaching, security.
- Automatic sun protection. Controls the blinds automatically during the day.
- Teaching object. With this, every brightness threshold can be reset by the touch of a key.
- Integrated heating for rain sensor.

Suitable for mounting on an outside wall or with optional accessories on a corner or on a mast. With integrated bus coupler. The bus is connected using a bus connecting terminal. An additional AC 230 V power supply is required for the heating unit.

Power supply: AC 230 V

Power consumption: max. 10 mA with bus voltage

Power consumption: 10 W with heating

Sensors: 4

Measuring range: - 20 °C to + 55 °C

Brightness range: 1 to 100,000 lux

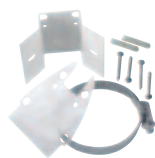
Angle of detection: 150°

Type of protection: IP 44 per EN 60529

Dimensions: 280 x 160 x 135 mm

- ▣ **Accessories:** Mast and corner fastening for KNX Basic weather station, art. no. 663992.

Version	Art. no.	PU	PG	Info
polar white	663990	1/1	9	NEW



Mast and corner fastening for KNX Basic weather station

- ▣ **To be completed with:** KNX Basic weather station, art. no. 663990.

Version	Art. no.	PU	PG	Info
	663992	1/24	9	NEW



KNX brightness and temperature sensor

The sensor records brightness and temperature and transmits these values to the bus. It has a temperature sensor and a brightness sensor.

- 3 universal channels for single tasks or logic operations. Temperature and brightness threshold in any combination.
- Sun protection channel for blinds/roller shutter control. Objects for: twilight threshold, brightness threshold, drive control, automatic sun function, teaching, security.
- Automatic sun protection. Controls the blinds automatically during the day.
- Teaching object. With this, every brightness threshold can be reset by the touch of a key. Suitable for mounting on an outside wall.. . With integrated bus coupler. The bus is connected using a bus connecting terminal..

Power consumption: max. 150 mW

Sensors: 2

Temperature measurement range: - 25 °C to + 55 °C (±5 % or ±1 degree)

Brightness measurement range: 1 to 100,000 lux (±20% or ±5 lux)

Type of protection: IP 54 according to DIN EN 60529 for vertical installation with cover

Dimensions: 110 x 72 x 54 mm

Version	Art. no.	PU	PG	Info
light grey	663991	1/20	9	NEW

KNX time switches



KNX timer REG-K

The timer sends time and date to the bus and can be operated with or without a DCF77 antenna.

- Automatic changeover between summer and winter time (can be switched off)
- Own adjustable changeover rule
- The data can be sent periodically or on request
- Lithium cell: time stays the same in the event of loss of bus power

Accuracy: 1 s/day, the application allows additional adjustment

Reserve power: 10 years

Antenna line length: max. 100 m

Type of protection: IP 20

EC directives: Low-voltage guideline 73/23/EEC and EMC directive 89/336/EEC

Device width: 2 TE = approx. 36 mm

- ▣ **Accessories:** DCF77 antenna, art. no. 668091.

Version	Art. no.	PU	PG	Info
light grey	677290	1/35	9.3	NEW

Switch actuators



Switch actuator REG-K/2x230/16 with manual mode and current detection

For independent switching of two loads via make contacts. The actuator has integrated current detection that measures the load current on each channel. All 230 V switch outputs can be operated with manual switches. With integrated bus coupling unit.

For installation on DIN rails EN 50022. The bus is connected using a bus connecting terminal; a data rail is not necessary. A green LED indicates that the device is ready for operation once the application has been loaded. The load is connected with screw terminals.

KNX software functions:

Operation as break contact or make contact. Staircase lighting function with/without manual OFF function and switch-off warning. Delay functions. Scenes. Logic function. Blocking or priority control. Feedback function. Status. Central function with delay. Parameterisation for bus voltage failure and recovery. Behaviour for download. Current detection function: Behaviour when value exceeds/falls short of the threshold value. Energy, operating and switch on counter with limit value monitoring. Flash function.

Nominal voltage: AC 230 V, 50 - 60 Hz

Per switching contact:

Nominal current: 16 A, $\cos\phi = 0.6$

Incandescent lamps: AC 230 V, max. 3600 W

Halogen lamps: AC 230 V, max. 2500 W

Fluorescent lamps: AC 230 V, max. 2500 VA, with parallel compensation

Capacitive load: AC 230 V, 16 A, max. 200 μF

Motor load: AC 230 V, max. 1000 W

Current detection load current:

Detection range: 0.1 A to 16 A (sine effective value or DC)

Sensing accuracy: +/- 8% of the current value at hand (sine) and +/- 100 mA

Frequency: 50/60 Hz

Description: 100 mA

Device width: 2.5 TE = approx. 45 mm

Contents: With bus connecting terminal and cable cover.

Version	Art. no.	PU	PG	Info
light grey	647395	1/30	9.3	NEW



Switch actuator REG-K/4x230/16 with manual mode and current detection

For independent switching of four loads via make contacts. The actuator has integrated current detection that measures the load current on each channel. All 230 V switch outputs can be operated with manual switches. With integrated bus coupling unit.

For installation on DIN rails EN 50022. The bus is connected using a bus connecting terminal; a data rail is not necessary. A green LED indicates that the device is ready for operation once the application has been loaded. The load is connected with screw terminals.

KNX software functions:

Operation as break contact or make contact. Staircase lighting function with/without manual OFF function and switch-off warning. Delay functions. Scenes. Logic function. Blocking or priority control. Feedback function. Status. Central function with delay. Parameterisation for bus voltage failure and recovery. Behaviour for download. Current detection function: Behaviour when value exceeds/falls short of the threshold value. Energy, operating and switch on counter with limit value monitoring. Flash function.

Nominal voltage: AC 230 V, 50 - 60 Hz

Per switching contact:

Nominal current: 16 A, $\cos\phi = 0.6$

Incandescent lamps: AC 230 V, max. 3600 W

Halogen lamps: AC 230 V, max. 2500 W

Fluorescent lamps: AC 230 V, max. 2500 VA, with parallel compensation

Capacitive load: AC 230 V, 16 A, max. 200 μF

Motor load: AC 230 V, max. 1000 W

Current detection load current:

Detection range: 0.1 A to 16 A (sine effective value or DC)

Sensing accuracy: +/- 8% of the current value at hand (sine) and +/- 100 mA

Frequency: 50/60 Hz

Description: 100 mA

Device width: 4 TE = approx. 72 mm

Contents: With bus connecting terminal and cable cover.

Version	Art. no.	PU	PG	Info
light grey	647595	1/10	9.3	NEW



Switch actuator REG-K/8x230/16 with manual mode and current detection

For independently switching 8 loads via make contacts. The actuator has integrated current detection that measures the load current on each channel. All 230 V switch outputs can be operated with manual switches. With integrated bus coupling unit.

For installation on DIN rails EN 50022. The bus is connected using a bus connecting terminal; a data rail is not necessary. A green LED indicates that the device is ready for operation once the application has been loaded. The load is connected with screw terminals.

KNX software functions:

Operation as break contact or make contact. Staircase lighting function with/without manual OFF function and switch-off warning. Delay functions. Scenes. Logic function. Blocking or priority control. Feedback function. Status. Central function with delay. Parameterisation for bus voltage failure and recovery. Behaviour for download. Current detection function: Behaviour when value exceeds/falls short of the threshold value. Energy, operating and switch on counter with limit value monitoring. Flash function.

Nominal voltage: AC 230 V, 50 - 60 Hz

Per switching contact:

Nominal current: 16 A, $\cos\phi = 0.6$

Incandescent lamps: AC 230 V, max. 3600 W

Halogen lamps: AC 230 V, max. 2500 W

Fluorescent lamps: AC 230 V, max. 2500 VA, with parallel compensation

Capacitive load: AC 230 V, 16 A, max. 200 μF

Motor load: AC 230 V, max. 1000 W

Current detection load current:

Detection range: 0.1 A to 16 A (sine effective value or DC)

Sensing accuracy: +/- 8% of the current value at hand (sine) and +/- 100 mA

Frequency: 50/60 Hz

Description: 100 mA

Device width: 8 TE = approx. 144 mm

Contents: With bus connecting terminal and cable cover.

Version	Art. no.	PU	PG	Info
light grey	647895	1/6	9.3	NEW



Switch actuator REG-K/12x230/16 with current detection and manual mode

For independently switching 12 loads via make contacts. The actuator has integrated current detection that measures the load current on each channel. All 230 V switch outputs can be operated with manual switches. With integrated bus coupling unit.

For installation on DIN rails EN 50022. The bus is connected using a bus connecting terminal; a data rail is not necessary. A green LED indicates that the device is ready for operation once the application has been loaded. The load is connected with screw terminals.

KNX software functions:

Operation as break contact or make contact. Staircase lighting function with/without manual OFF function and switch-off warning. Delay functions. Scenes. Logic function. Blocking or priority control. Feedback function. Status. Central function with delay. Parameterisation for bus voltage failure and recovery. Behaviour for download. Current detection function: Behaviour when value exceeds/falls short of the threshold value. Energy, operating and switch on counter with limit value monitoring. Flash function.

Nominal voltage: AC 230 V, 50 - 60 Hz

Per switching contact:

Nominal current: 16 A, $\cos\phi = 0.6$

Incandescent lamps: AC 230 V, max. 3600 W

Halogen lamps: AC 230 V, max. 2500 W

Fluorescent lamps: AC 230 V, max. 2500 VA, with parallel compensation

Capacitive load: AC 230 V, 16 A, max. 200 μF

Motor load: AC 230 V, max. 1000 W

Current detection load current:

Detection range: 0.1 A to 16 A (sine effective value or DC)

Sensing accuracy: +/- 8% of the current value at hand (sine) and +/- 100 mA

Frequency: 50/60 Hz

Description: 100 mA

Device width: 12 TE = approx. 216 mm

Contents: With bus connecting terminal and cable cover.

Version	Art. no.	PU	PG	Info
light grey	648495	1/6	9.3	NEW

Dimming actuators/control units



Control unit 0-10 V REG-K/1-gang with manual mode

For connecting devices with 0-10 V interface to KNX. With integrated bus coupler and screw terminals (230 V) or plug-in screw terminals (0-10 V). The 230 V switch output can be operated with a manual switch. For installation onto DIN rails EN 50022.

The bus is connected using a bus connecting terminal; a data rail is not necessary.

KNX software functions:

Different dimming curves and dimming speeds, the same dimming time, memory function, ON/OFF delay, staircase time function with/without manual OFF function, scenes (up to eight stored brightness values can be retrieved), central function, logic operation or priority control, blocking function, status feedback, behaviour on bus voltage recovery.

Switch contact: for switching the electronic ballasts/transformers

Switching voltage: AC 230 V

Switching current: 16 A, $\cos\phi = 0.6$

Switching capacity: AC 230 V, 3600 W, $\cos\phi = 1$

Capacitive load: AC 230 V, 3600 W, 200 μF

Halogen lamps: AC 230 V, 2500 W

Fluorescent lamps:

AC 230 V, max. 5000 W, uncompensated

AC 230 V, max. 2500 VA, with parallel compensation

0-10 V interface: for dimming the electronic ballasts/transformers

Voltage range: DC 0-10 V

Device width: 2.5 TE = approx. 45 mm

Contents: With bus connecting terminal and cable cover.

Version	Art. no.	PU	PG	Info
light grey	647091	1/10	9.3	NEW



Control unit 0-10 V REG-K/3-gang with manual mode

For connecting devices with 0-10 V interface to KNX. With integrated bus coupler and screw terminals (230 V) or plug-in screw terminals (0-10 V). Each individual 230 V switch output can be operated manually with a manual switch. For installation onto DIN rails EN 50022.

The bus is connected using a bus connecting terminal; a data rail is not necessary.

KNX software functions:

Different dimming curves and dimming speeds, the same dimming time, memory function, ON/OFF delay, staircase time function with/without manual OFF function, scenes (up to eight stored brightness values can be retrieved), central function, logic operation or priority control, blocking function, status feedback, behaviour on bus voltage recovery.

Switch contact: for switching the electronic ballasts/transformers

Switching voltage: AC 230 V

Switching current: 16 A, $\cos\phi = 0.6$

Switching capacity: AC 230 V, 3600 W, $\cos\phi = 1$

Capacitive load: AC 230 V, 3600 W, 200 μF

Halogen lamps: AC 230 V, 2500 W

Fluorescent lamps:

AC 230 V, max. 5000 W, uncompensated

AC 230 V, max. 2500 VA, with parallel compensation

0-10 V interface: for dimming the electronic ballasts/transformers

Voltage range: DC 0-10 V

Device width: 4 TE = approx. 72 mm

Contents: With bus connecting terminal and cable cover.

Version	Art. no.	PU	PG	Info
light grey	646991	1/10	9.3	NEW

Room temperature control unit



Thermoelectric valve drive 24 V

Thermoelectric valve drive for opening and closing valves. For 2-step or PWM control of heating, air conditioning and ventilation systems, individual room control of surface heaters, control of heating circuit distributors, radiators, convector heaters, cooling ceilings. Fan coil actuator REG-K or a room temperature control unit (24 V) with 2-step or PWM output activates.

Valve adapters permit compatibility with a variety of valve bodies and heating circuit distributors.

Functions:

- First-open function: The drive is factory-set to de-energised open. This allows the heating to be operated during the building shell phase.
- De-energised closed
- Functional display (open, closed, intermediate settings)
- Adjustment control
- Protection against dismantling
- Plug-in connecting cable
- Plug-in assembly

Supply voltage: AC/DC 24 V +20%/-10%, 0-60 Hz

Starting current: max. 250 mA for max. 2 min

Operating current: 75 mA

Power consumption: 1.8 W

Lift: approx. 4 mm

Running time: 45 s/mm

Positioning force: 100 N

Medium temperature: 0-100 °C

Type of protection/protection class: IP 54 / II, in all installation positions

Connecting cable: 1 m, 2x0.75 mm² PVC

Dimensions: 60 x 44 x 61 mm (HxWxD)

- ▣ **To be completed with:** Room temperature control insert with switch, art. no. 536304. Power supply REG, AC 24 V / 1 A, art. no. 663529. Valve adapter VA10, art. no. 639110. Valve adapter VA50, art. no. 639150. Valve adapter VA78, art. no. 639178. Valve adapter VA80, art. no. 639180.

In KNX, to be completed with: Fan coil actuator REG-K, art. no. 645094. Power supply REG, AC 24 V / 1 A, art. no. 663529.

- **Note:** Protective cap AA SK 1000 (aluminium, white RAL 9016) available on request. To install the protective cap, a higher valve adapter must be used (available on request). Check compact radiators in advance to see if they are suitable.

Version	Art. no.	PU	PG	Info
polar white	639126	1/50	9	NEW



KNX fan coil actuator REG-K

For heating, ventilation and air conditioning control. For controlling fan convectors with up to three speeds, as well as for controlling three-step motor drives (continuous/pulse-width-modulated) or two-step thermal drives. The actuator supports 2-pipe and 4-pipe systems.

Two floating binary inputs for window contact and level contact for condensed water container, for example. Connection of 1-speed to 3-speed fans.

The multi-function push-button with room temperature control from version 3A can be used to activate the fan coil actuator.

With integrated bus coupler. For installation on DIN rails EN 60715. The bus is connected using a bus connecting terminal; a data rail is not necessary.

KNX software functions:

Fan control:

In automatic mode, the fan speeds are controlled dependently by the control value of the multi-function push-button. The three fan speeds and automatic mode can be switched via EIB telegram. The fan can be controlled either directly or via actuators / suitable dimming actuators. Fan speed feedback is possible via corresponding status feedback objects e.g. status LED of the push-button. The fan speed as well as the automatic status "(Auto)" can be displayed on the display of the multi-function push-button with TCU.

Valve control:

Type of controller: PI controller (PWM and continuous).

Controller mode: Heating and/or cooling with common or separate valve outputs.

Operating modes: The operating mode is selected in the multi-function push-button with TCU

Power supply: AC 230 V ±10 %, 50/60 Hz

Power consumption: max. 3 VA

Outputs: 3 floating contacts (fan coil), 2 semiconductor switches (valve connections)

Switching capacity for valves: 0.5 A, AC 24V - 230 V

Additional relay switching capacity: 16 A

Fan relay switching capacity: 8 A

Inputs: 2, max. cable length 5 m

Operation: Key for fan levels and heating/cooling mode

Displays: 9 status LEDs

Device width: 4 TE = approx. 72 mm

- ▣ **Accessories:** Multi-function push-button with room temperature control unit, art. no. 6232.., 6273.., 6236.., 6274.., 6287.., 6288.., 626008.

Version	Art. no.	PU	PG	Info
light grey	645094	1/10	9.3	NEW

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