

JUNG

# Catalogue



EN 28

MADE IN  
GERMANY SINCE 1912







# Catalogue EN 28

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**JUNG ONLINE CATALOGUE**

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**[jung.de/online-catalogue](http://jung.de/online-catalogue)**



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**SYMBOLS IN THIS CATALOGUE**

- IP** Protection level IP 44 ensured
- L** Laser labelling possible with Graphic Tool
- P** Print labelling possible with Graphic Tool



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# Made for global business

JUNG quality is highly regarded all over the world. To meet the needs of its international costumers, the family-run company has established a global network: JUNG has subsidiaries in 20 countries and boasts a total of more than 70 representative agents

on five continents. This way, the company tailors its expertise to the various country-specific requirements and standards. For the users locally, this means a high level of security when dealing with top-grade electrical JUNG products.



Administration, training centre  
and production in Schalksmühle



# Manufactured with precision



JUNG products are manufactured at the two company sites in Schalksmühle and Lünen. For this JUNG received the certificate "Made in Germany" from TÜV Nord. With deep roots in the region and a constant employer for many decades, today customers throughout the world rely on the continuing high quality. At the same time, JUNG is aware of its high responsibility for sustainable and

energyefficient production. JUNG has proven its specialist know-how in metalworking for decades. The company provides switch designs in genuine metal. Matt finished or lacquered aluminium, stainless steel blasted with glass beads, brushed brass, chrome-plated metal or with almost 24 carat gold plating – JUNG produces precision switches down to the last detail every day.





Graphite black. Snow white.  
Pure matt.

**SCHUKO® SOCKET**



LS 990 in matt snow white

**ROTARY DIMMER**



LS 990 in matt snow white

**F 40 SENSOR, 4-GANG**



A FLOW in matt graphite black

**F 50 SENSOR, 4-GANG**



A 550 in matt graphite black

Intensive. Extensive. Elementary. With the matt graphite black and snow white finishes, JUNG creates elegant surfaces that aesthetically enhance the LS, A 550 and A FLOW ranges.



SCHUKO® socket with  
USB A+C in A FLOW in white



# Flexible all-rounder

## SCHUKO® SOCKET



with USB-A in LS 990 in white

## SCHUKO® SOCKET



with USB-C in LS 990 in white

## FRENCH / BELGIAN SYSTEM SOCKET



with USB-A+C in LS 990 in white

## HIGHEST SAFETY STANDARDS



JUNG SCHUKO® sockets with USB port are tested and certified by VDE.

The JUNG SCHUKO® sockets with USB ports, for example, quickly recharge the smartphone, leaving the socket free. The versions with JUNG Quick Charge® have either a USB-A or USB-C

port and are impressive with a charging capacity of up to 18 watts. The sockets with two USB ports (type A and type C) provide particular flexibility.

## JUNG AR-Studio app



The digital sample case for travelling: Augmented reality enables digital support for consultancy on location. The AR-Studio app presents the JUNG portfolio with over 2,000 products in the live environment with the customer at home.





A totally new way to experience JUNG switches and solutions digitally: the JUNG AR-Studio app. Surfaces, materials and colours can be experienced in photographic quality. The app shows all the JUNG ranges, different colours and materials, frame dimensions and much more. All of this free of charge, mobile and independent of network coverage.

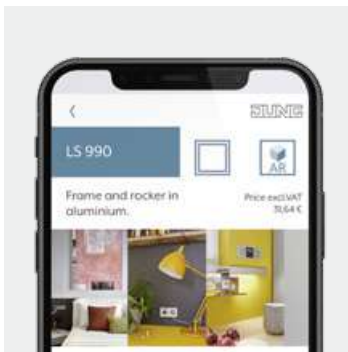


Now download  
the app!



#### Frame dimensions

The app for augmented planning offers specialist planners information for carrying out the electrical installation. Precise and reliable. Does the desired switch from the JUNG LS PLUS range fit in? Would a multiple frame work at the door as well? JUNG AR-Studio shows you important information such as frame dimensions at a glance.



#### Background knowledge

Alongside the true-to-life live views, JUNG AR-Studio provides a range of background information on the JUNG portfolio. The special features of the LS 990, the distinctive design of A CREATION, the large variety of colours in the Les Couleurs® Le Corbusier – the app comprehensively presents the multi-faceted world of the JUNG ranges.



#### Versatile application possibilities

JUNG AR-Studio presents numerous products and shows the large range of functionality of KNX control elements, rotary dimmers and many more: How do other JUNG products look in the customer's home? Can a KNX push-button be used as well? Does a compact room controller also fit and which operating possibilities does it provide? JUNG AR-Studio knows the JUNG portfolio.

**JUNG.DE/AR-STUDIO**

# Customisation

## LASER ENGRAVING



The laser engraving process enables contours of symbols, texts and ornaments due to the precise removal of the surface.

## COLOUR PRINTING



The abrasion-resistant colour printing provides numerous possibilities for individual design.

## LABELLING



Integrated inscription fields can be designated via labelling process. This optimises the assignment of functions.

JUNG products gain individuality with the Graphic Tool at [www.jung.de/gt](http://www.jung.de/gt). Depending on product, material and personal requirements, laser engraving, colour printing or

labelling are used. With texts, symbols or motifs, both an individual design and an optimisation of the function allocation can be achieved.



Triple combination of a  
hotel installation in LS 990 in dark



# Inserts

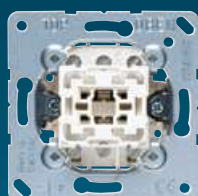


	Ref.-no.
<b>1-gang switch insert 10 AX / 250 V ~</b>	
screwless terminals for wires up to 2.5 mm <sup>2</sup>	
without claws: ref.-no. with additional "E", e.g.: 506 EU	
1-pole, 1-way	<b>501 U</b>
2-pole, 1-way	<b>502 U</b>
1-pole, 2-way	<b>506 U</b>
intermediate	<b>507 U</b>

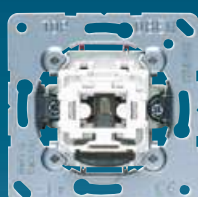
Switch can be illuminated in OFF-position with lamp ref.-no. 90/95 (230 V), 96-.. (low voltage), or LED lamp ref.-no. 90-LED.. (230 V) or 961248 LED.. (low voltage).



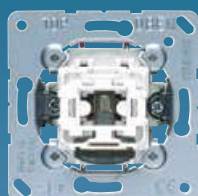
<b>1-gang switch insert 20 AX / 250 V ~</b>	
screw terminals for wires up to 4 mm <sup>2</sup>	
1-pole, 1-way	<b>501-20 U</b>
1-pole, 2-way	<b>506-20 U</b>
Switch can be illuminated in OFF-position with lamp ref.-no. 98-220 (230 V).	
intermediate	<b>507-20 U</b>



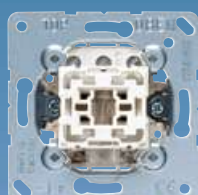
<b>1-gang switch insert 16 AX / 400 V ~</b>	
screw terminals for wires up to 4 mm <sup>2</sup>	
without claws: ref.-no. with additional "E", e.g.: 503 EU	
3-pole, 1-way	<b>503 U</b>
Switch can be illuminated in OFF-position with lamp ref.-no. 98 or 98-220 (230 V).	



<b>1-gang switch insert 10 AX / 250 V ~</b>	
<b>with indicator light</b>	
screwless terminals for wires up to 2.5 mm <sup>2</sup>	
Neutral conductor required	
with glow lamp ref.-no. 90	
without claws: ref.-no. with additional "E", e.g.: 506 KOEU	
2-pole, 1-way	<b>502 KOU</b>
1-pole, 2-way	<b>506 KOU</b>
Glow lamp can be replaced with LED lamp ref.-no. 90-LED.. (230 V) or 961248 LED.. (low voltage).	



<b>1-gang switch insert 20 AX / 250 V ~</b>	
<b>with indicator light</b>	
screw terminals for wires up to 4 mm <sup>2</sup>	
Neutral conductor required	
with glow lamp ref.-no. 98-220	
1-pole, 1-way	<b>501-20 KOU</b>
2-pole, 1-way	<b>502-20 KOU</b>
1-pole, 2-way	<b>506-20 KOU</b>



<b>1-gang switch insert 16 AX / 400 V ~</b>	
<b>with indicator light</b>	
screw terminals for wires up to 4 mm <sup>2</sup>	
with glow lamp ref.-no. 98	
3-pole, 1-way	<b>503 KOU</b>

Ref.-no.

## 1-gang push switch insert 10 A / 250 V ~

screwless terminals for wires up to 2.5 mm<sup>2</sup>

Rockers of push switches jump back to original position.

Can be converted into pull cord switch by means of pull cord insert ref.-no. 34 or 34 KO5.

without claws: ref.-no. with additional "E", e.g.: 506 ETU

2-pole, 1-way	<b>502 TU</b>
---------------	---------------

1-pole, 2-way	<b>506 TU</b>
---------------	---------------

illumination not possible in 2-way and intermediate circuits

intermediate	<b>507 TU</b>
--------------	---------------

Switch can be illuminated in OFF-position with lamp ref.-no. 90/95 (230 V), 96-.. (low voltage), or LED lamp ref.-no. 90-LED.. (230 V) or 961248 LED.. (low voltage).

## 1-gang push switch insert 10 A / 250 V ~

### with indicator light

screwless terminals for wires up to 2.5 mm<sup>2</sup>

Neutral conductor required

with glow lamp ref.-no. 90

Rockers of push switches jump back to original position.

Can be converted into pull cord switch by means of pull cord insert ref.-no. 34 or 34 KO5.

without claws: ref.-no. with additional "E", e.g.: 506 KOETU

2-pole, 1-way	<b>502 KOTU</b>
---------------	-----------------

1-pole, 2-way	<b>506 KOTU</b>
---------------	-----------------

Glow lamp can be replaced with LED lamp ref.-no. 90-LED.. (230 V) or 961248 LED.. (low voltage).

## 1-gang push-button insert 10 A / 250 V ~

screwless terminals for wires up to 2.5 mm<sup>2</sup>

Can be converted into pull cord push-button by means of pull cord insert ref.-no. 34 or 34 KO5.

without claws: ref.-no. with additional "E", e.g.: 531 EU

1-pole, 1-way (NO contact)	<b>531 U</b>
----------------------------	--------------

1-pole, 2-way with terminal for N conductor	<b>533 U</b>
---	--------------

1-pole, 1-way (NO contact) with separate contacts for indicator light	<b>534 U</b>
---	--------------

Illumination possible with lamp ref.-no. 90/95 (230 V), 96-.. (low voltage),

or LED lamp ref.-no. 90-LED.. (230 V) or 961248 LED.. (low voltage).

## 1-gang push-button insert 10 A / 250 V ~

screwless terminals for wires up to 2.5 mm<sup>2</sup>

Can be converted into pull cord push-button by means of pull cord insert ref.-no. 34 or 34 KO5.

without claws: ref.-no. with additional "E", e.g.: 532 EU

2-pole, 1-way (NO contact)	<b>532 U</b>
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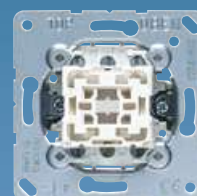
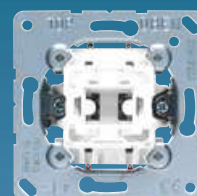
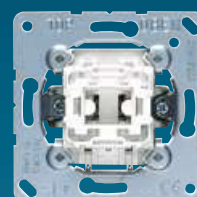
## 1-gang push-button insert 10 A / 250 V ~

screw terminals for wires up to 2.5 mm<sup>2</sup>

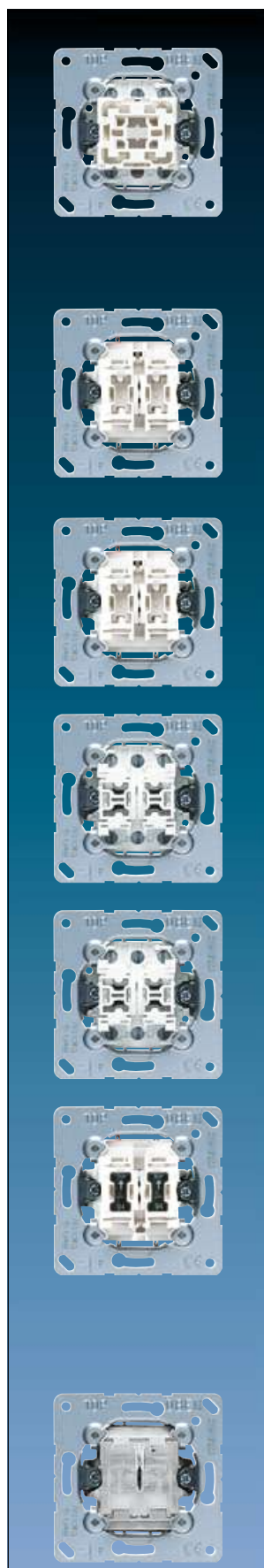
Can be converted into pull cord push-button by means of pull cord insert ref.-no. 34 or 34 KO5.

without claws: ref.-no. with additional "E", e.g.: 533-2 EU

2-pole, 2-way	<b>533-2 U</b>
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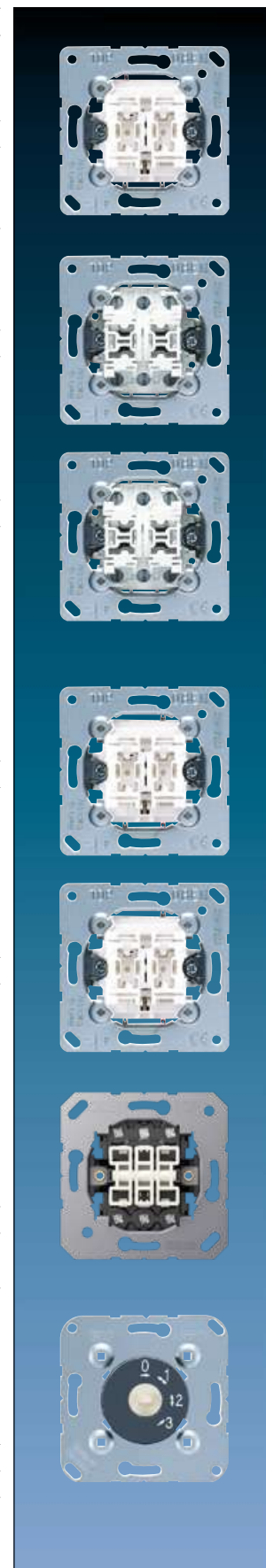
# Inserts



	Ref.-no.
<b>1-gang multi switch insert 10 A / 250 V ~</b> screw terminals for wires up to 2.5 mm <sup>2</sup> without claws: ref.-no. with additional "E", e.g.: 531-41 EU 1-pole, 2-way NO contacts, rocker in neutral position	<b>531-41 U</b>
When the upper or lower half of the rocker is actuated, two contacts are closed simultaneously. Especially designed as controller for wirings with relays, e.g. in combination with relay station ref.-no. RS 8 REGHE. No electrical/mechanical interlocking. Only recommended for CD and LS ranges (except metal versions).	
<b>2-gang switch insert 10 AX / 250 V ~</b> screwless terminals for wires up to 2.5 mm <sup>2</sup> without claws: ref.-no. with additional "E", e.g.: 505 EU 2 x 1-pole, 1-way	<b>505 U</b>
2 x 1-pole, 1-way with 2 glow lamps ref.-no. 94	<b>505 U 5</b>
Switch is illuminated in OFF-position. The lamps can be exchanged without disconnecting mains.	
<b>2-gang switch insert 20 AX / 250 V ~</b> screw terminals for wires up to 4 mm <sup>2</sup> 2 x 1-pole, 1-way	<b>505-20U</b>
<b>2-gang switch insert 10 AX / 250 V ~</b> screw terminals for wires up to 2.5 mm <sup>2</sup> without claws: ref.-no. with additional "E", e.g.: 509 EU 2 x 1-pole, 2-way	<b>509 U</b>
<b>2-gang switch insert 20 AX / 250 V ~</b> screw terminals for wires up to 4 mm <sup>2</sup> 2 x 1-pole, 2-way	<b>509-20 U</b>
<b>2-gang switch insert 10 AX / 250 V ~</b> <b>with indicator light</b> screwless terminals for wires up to 2.5 mm <sup>2</sup> Neutral conductor required 2 x 1-pole, 1-way with 2 glow lamps ref.-no. 94 mechanical interlocking	<b>505 KOU 5</b> <b>505 KOVU 5</b>
The lamps can be exchanged without disconnecting mains. Coloured lamps can also be used, e.g.: green ref.-no.: 94 GN or 94-LED GN red ref.-no.: 94 RT or 94-LED RT	
<b>2-gang push switch insert 10 A / 250 V ~</b> screwless terminals for wires up to 2.5 mm <sup>2</sup> Rockers of push switches jump back to original position. without claws: ref.-no. with additional "E", e.g.: 505 ETU 2 x 1-pole, 1-way	<b>505 TU</b>
2 x 1-pole, 2-way	<b>509 TU</b>

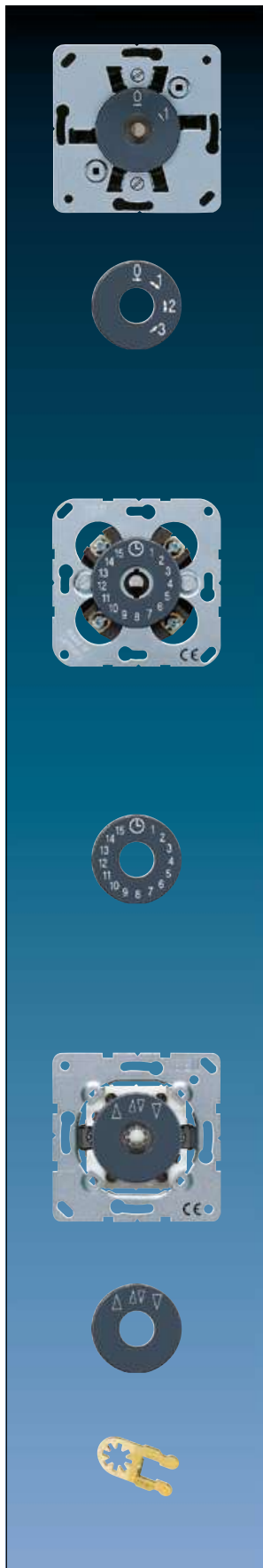


	Ref.-no.
<b>2-gang push-button insert 10 A / 250 V ~</b>	
screwless terminals for wires up to 2.5 mm <sup>2</sup>	
without claws: ref.-no. with additional "E", e.g.: 535 EU	
2 x 1-pole, 1-way (NO contact)	<b>535 U</b>
2 x 1-pole, 1-way (NO contact) with 2 glow lamps ref.-no. 94	<b>535 U 5</b>
Switch is illuminated in OFF-position.	
The lamps can be exchanged without disconnecting mains.	
<b>2-gang push-button insert 10 A / 250 V ~</b>	
screw terminals for wires up to 2.5 mm <sup>2</sup>	
without claws: ref.-no. with additional "E", e.g.: 539 EU	
2 x 1-pole, 2-way	<b>539 U</b>
<b>2-gang multi switch insert 10 A / 250 V ~</b>	
screw terminals for wires up to 2.5 mm <sup>2</sup>	
2 x 1-pole, 2-way push-button with 4 NO contacts, rocker in neutral position	<b>532-4 U</b>
Especially designed as controller for wirings with relays, e.g. in combination with relay station ref.-no. RS 8 REGHE.	
No electrical/mechanical interlocking.	
Only recommended for CD and LS ranges (except metal versions).	
<b>2-gang blind switch insert 10 AX / 250 V ~</b>	
screwless terminals for wires up to 2.5 mm <sup>2</sup>	
mechanical interlocking to avoid switching of both rockers at the same time	
1-pole (1 motor)	<b>509 VU</b>
<b>2-gang blind push-button insert 10 A / 250 V ~</b>	
screwless terminals for wires up to 2.5 mm <sup>2</sup>	
mechanical interlocking to avoid switching of both rockers at the same time	
1-pole (1 motor)	<b>539 VU</b>
<b>3-gang switch insert 10 AX / 250 V ~</b>	
screw terminals	
screw fixing only, without claws	
Only for A and LS ranges.	
When mounting/removing the 3-gang rocker, the middle part has to be clipped on last or removed first.	
1-pole, 1-way	<b>5301 EU</b>
1-pole, 2-way	<b>5306 EU</b>
Installation into flush box min. 63 mm (depth)	
<b>Rotary switch insert</b>	
screw terminals for wires up to 4 mm <sup>2</sup>	
screw fixing only, without claws	
not suitable for installation in surface caps	
<b>Scale disc anthracite</b>	
3-level switch with OFF-position 16 AX 250 V ~	<b>1101-4</b>
2-pole 20 AX 250 V ~	<b>1101-20</b>
Installation note: No plaster compensation possible. Insert must be mounted flush with the wall.	
Supporting frame must be on top of wallpaper.	



# Inserts

## Accessories



		Ref.-no.
<b>Rotary switch insert</b>		
screw terminals for wires up to 6 mm <sup>2</sup>		
screw fixing only, without claws		
<b>Scale disc anthracite</b>		
2-pole		<b>1101-32</b>
including wall box Ø 60 mm, depth 63 mm		
<b>Scale disc</b>		
(Spare part)		
<b>for ref.-no. 1101-4</b>		
anthracite		<b>SKS 1101-4</b>
white		<b>SKS 1101-4 WW</b>
<b>for ref.-no. 1101-20</b>		
anthracite		<b>SKS 1101-20</b>
white		<b>SKS 1101-20 WW</b>
<b>Timer switch insert 16 AX / 250 V ~</b>		
screw terminals for wires up to 4 mm <sup>2</sup>		
screw fixing only, without claws		
accuracy ± 10 %		
<b>Scale disc anthracite</b>		
2-pole, 1-way	max. 15 minutes	<b>11015</b>
	max. 30 minutes	<b>11030</b>
1-pole, 2-way	max. 30 minutes	<b>11030-20</b>
2-pole, 1-way	max. 60 minutes	<b>11060</b>
	max. 120 minutes	<b>11120</b>
1-pole, 2-way	max. 120 minutes	<b>11120-20</b>
<b>Scale disc</b>		
(Spare part)		
<b>for ref.-no. 11015</b>		
anthracite		<b>SKS 11015</b>
white		<b>SKS 11015 WW</b>
<b>for ref.-no. 11120-20</b>		
anthracite		<b>SKS 11120-20</b>
white		<b>SKS 11120-20 WW</b>
<b>Rotary blind switch insert 10 A / 250 V ~</b>		
screw terminals for wires up to 2.5 mm <sup>2</sup>		
Can be converted into rotary push-button by means of locking piece (included).		
<b>Scale disc anthracite</b>		
1-pole (1 motor)		<b>1234.10</b>
2-pole (2 motors) *		<b>1234.20</b>
* Can also be used as pole changer (see wiring diagram in data sheet).		
A pre-travel prevents a quick change of direction.		
<b>Scale disc</b>		
(Spare part)		
<b>for ref.-no. 1234.10, 1234.20</b>		
anthracite		<b>SKS 1234.10</b>
white		<b>SKS 1234.10 WW</b>
<b>Locking piece</b>		
(Spare part)		
for ref.-no.: 1234.10, 1234.20, 834.10 W, 834.20 W		
		<b>34.10</b>

Ref.-no.

### Key switch insert with protection against dismounting

screw terminals for wires up to 2.5 mm<sup>2</sup>

screw fixing only, without claws

for locking cylinder with total length of approx. 40 mm, e.g. ref.-no.: 28, 28 G1

#### 10 AX 250 V ~

Blind switch, 2-pole (2 motors) *	<b>104.28</b>
-----------------------------------	---------------

#### 10 A 250 V ~

Blind push-button, 1-pole (1 motor) *	<b>134.18</b>
---------------------------------------	---------------

Blind push-button, 2-pole (2 motors) *	<b>134.28</b>
--	---------------

Push-button, 1-pole, 2-way	<b>133.18</b>
----------------------------	---------------

Push-button 1-pole, 1 NC contact – 1 NO contact	<b>138.18</b>
---	---------------

#### 16 AX 250 V ~

Switch, 2-pole, 2-way	<b>106.28</b>
-----------------------	---------------

\* A pre-travel prevents a quick change of direction.

Centre plate for key switch can only be dismounted when the lock is in unlocked position.

### Key switch insert without protection against dismounting

screw terminals for wires up to 2.5 mm<sup>2</sup>

screw fixing only, without claws

for locking cylinder with total length of approx. 40 mm, e.g. ref.-no.: 28, 28 G1

not suitable for installation in surface caps

Installation depth: min. 55 mm

Cover is flush with the cylinder

#### 10 AX 250 V ~

Blind switch, 1-pole (1 motor) *	<b>104.15</b>
----------------------------------	---------------

#### 10 A 250 V ~

Blind push-button, 1-pole (1 motor) *	<b>134.15</b>
---------------------------------------	---------------

Push-button, 1-pole, 2-way	<b>133.15</b>
----------------------------	---------------

#### 16 AX 250 V ~

Switch, 1-pole, 2-way	<b>106.15</b>
-----------------------	---------------

\* A pre-travel prevents a quick change of direction.

### Key switch insert with protection against dismounting

screw terminals for wires up to 2.5 mm<sup>2</sup>

screw fixing only, without claws

for locking cylinder with total length of approx. 40 mm, e.g. ref.-no.: 28, 28 G1

When using locking cylinder from other manufacturer, please consider, that the cylinder has key access on only one side. (Otherwise water can get through the cylinder into the switch housing. IP 44 is thus not guaranteed.)

#### 10 AX 250 V ~

Blind switch, 1-pole (1 motor) *	<b>IP</b>	<b>CD 104.18 WU</b>
----------------------------------	-----------	---------------------

Blind push-button, 1-pole (1 motor) *	<b>IP</b>	<b>CD 134.18 WU</b>
---------------------------------------	-----------	---------------------

Push-button, 1-pole, 2-way	<b>IP</b>	<b>CD 133.18 WU</b>
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#### 16 AX 250 V ~

Switch, 1-pole, 2-way	<b>IP</b>	<b>CD 106.18 WU</b>
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\* A pre-travel prevents a quick change of direction.

Centre plate for key switch can only be dismounted when the lock is in unlocked position.

### Locking cylinder for key switches

suitable for IP 44

with 3 keys

different locks	<b>28</b>
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equal locks	<b>28 G1</b>
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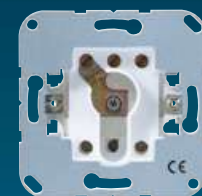
### Key

#### for locking cylinder 28 G1

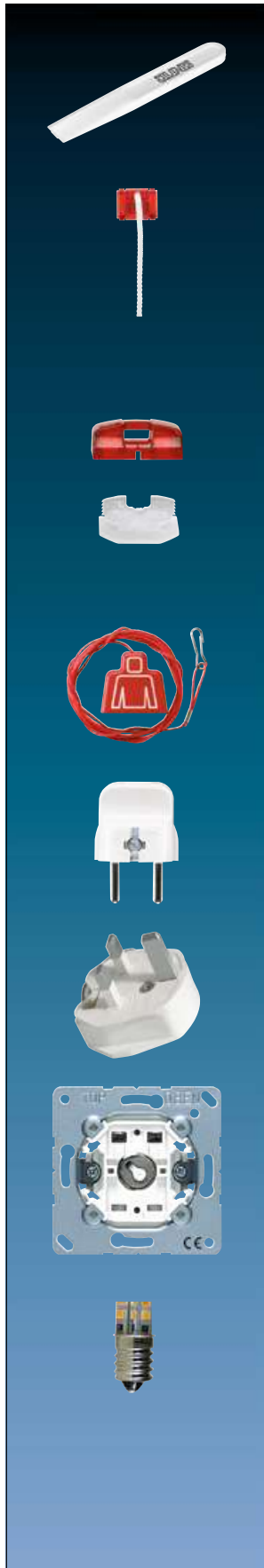
for key switches

(Spare part)

1 piece	<b>28 G1 SL</b>
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# Accessories



	Ref.-no.
<b>Button lever</b> for the simple and gentle deinstallation of rockers and covers	<b>W-KEIL</b>
<b>Pull cord insert</b> for rockers with big lens (.. KO)	
red	<b>34</b>
with 50 mm pull cord The pull cord insert has to be plugged into a 1-gang cover with lens to extend switches or push-buttons with a cord. Suitable push switches: 506 TU, 507 TU, 502 TU, 506 KOTU, 502 KOTU Suitable push-buttons: 531 U – 534 U, 631 A – 634 A, 331 A-24	
<b>Pull cord insert</b> for rockers with lens (.. KO5)	
red	<b>34 KO5</b>
The pull cord insert has to be plugged into a 1-gang cover with lens to extend switches or push-buttons with a cord. Suitable push switches: 506 TU, 507 TU, 502 TU, 506 KOTU, 502 KOTU Suitable push-buttons: 531 U – 534 U	
<b>Pull cord</b> for pull cord inserts ref.-no: 34 and 34 KO5 length: approx. 2000 mm with spring hook	
red	<b>ZS-34 KO5S</b>
<b>SCHUKO® plug, 16 A / 250 V ~</b> 2-pole with earth contact	
ivory	<b>16 S</b>
Top cable entry	
<b>Plug for British Standard sockets</b> 2-pole with earth contact screw terminals for wires up to 4 mm <sup>2</sup> acc. to BS 1363-1	
ivory	<b>SA 13</b>
<b>Pilot light insert</b> screwless terminals for wires up to 2.5 mm <sup>2</sup> without claws: ref.-no. with additional "E", e.g.: 938-10 EU max. 5 W, 230 V	
thread E10	<b>938-10 U</b>
thread E14	<b>938-14 U</b>
<b>LED lamp</b> approx. 36 mm long for pilot lights ref.-no.: 938-14 U, 837-14 W, 637-14 W, 637-14 A, 637-14 A WW E14, 230 V ~, 0.4 W	
white	<b>E 14 LED W</b>
green	<b>E 14 LED GN</b>
red	<b>E 14 LED RT</b>
average life approx. 30 000 h	



Ref.-no.

## Plug-in glow lamp

for switches ref.-no.: 506 U, 507 U, 502 U, 806 W, 807 W, 802 W, 806 NAW, 606 W, 607 W, 602 W, 606 NAW  
for switches with indicator light ref.-no.: 506 KOU, 502 KOU, 806 KOW, 802 KOW, 606 KOW, 602 KOW  
for push switches ref.-no.: 506 TU, 507 TU, 502 TU  
for push switches with indicator light ref.-no.: 506 KOTU, 502 KOTU  
for push-buttons ref.-no.: 531 U, 533 U, 534 U, 831 W, 833 W, 834 W, 631 W, 633 W, 634 W

230 V ~, 1.1 mA	white	<b>90</b>
230 V ~, 0.5 mA	white	<b>95</b>

average life approx. 40 000 h

## Plug-in glow lamp

for 1-gang switch insert ref.-no.: 503 U, 603 W, 803 W  
for 1-gang switch insert with indicator light  
ref.-no.: 501-20 KOU, 502-20 KOU, 506-20 KOU, 503 KOU, 803 KOW

400 V ~, 0.5 mA	white	<b>98</b>
230 V ~, 1.1 mA	white	<b>98-220</b>

average life approx. 40 000 h

## Plug-in glow lamp

for 2-gang switch insert ref.-no.: 505 U 5  
for 2-gang switch insert with indicator light ref.-no.: 505 KOU 5  
for 2-gang push-button insert ref.-no.: 535 U 5

230 V ~, 0.8 mA	white	<b>94</b>
	green	<b>94 GN</b>
	red	<b>94 RT</b>

average life approx. 40 000 h

## LED lamp

for 2-gang switch insert ref.-no.: 505 U 5  
for 2-gang switch insert with indicator light ref.-no.: 505 KOU 5  
for 2-gang push-button insert ref.-no.: 535 U 5

blue 110 – 250 V ~, 0.3 mA	<b>94-LED BL</b>
green 110 – 250 V ~, 0.3 mA	<b>94-LED GN</b>
red 110 – 250 V ~, 0.3 mA	<b>94-LED RT</b>
white 110 – 250 V ~, 0.3 mA	<b>94-LED W</b>
white 12 – 24 V ~, 0.3 mA	<b>941224 LED W</b>

average life approx. 100 000 h

## Plug-in glow lamp

for 2-gang switch ref.-no.: 605 W, 805 W, 805 NAW, 835 W, 835 NAW, 605 A, 605 A WW

230 V ~, 0.8 mA	white	<b>99</b>
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average life approx. 40 000 h

## Plug-in incandescent lamp

for switches ref.-no.: 506 U, 507 U, 502 U, 806 W, 807 W, 802 W, 806 NAW, 606 W, 607 W, 602 W, 606 NAW  
for switches with indicator light ref.-no.: 506 KOU, 502 KOU, 806 KOW, 802 KOW, 606 KOW, 602 KOW  
for push switches ref.-no.: 506 TU, 507 TU, 502 TU  
for push switches with indicator light ref.-no.: 506 KOTU, 502 KOTU  
for push-buttons ref.-no.: 531 U, 533 U, 534 U, 831 W, 833 W, 834 W, 631 W, 633 W, 634 W

**average life approx. 50 000 h**

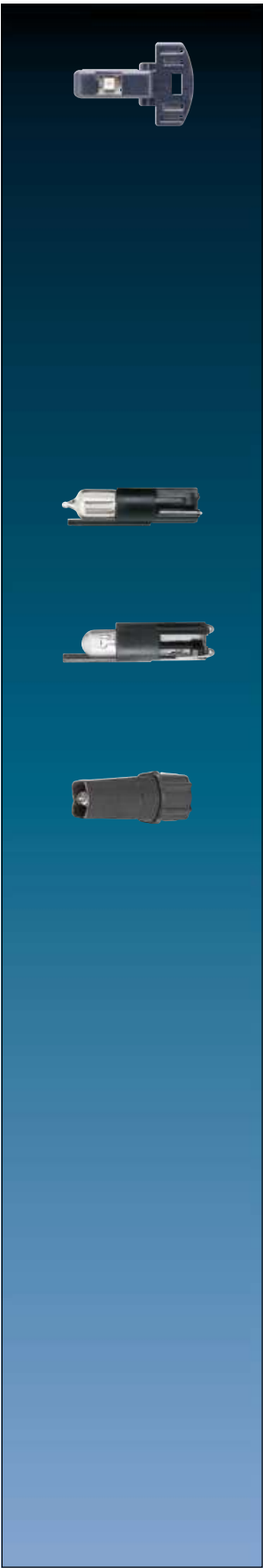
12 V ≈, 40 mA	<b>96-12</b>
24 V ≈, 25 mA	<b>96-24</b>

**average life approx. 20 000 h**

36 V ≈, 20 mA	<b>96-36</b>
48 V ≈, 25 mA	<b>96-48</b>

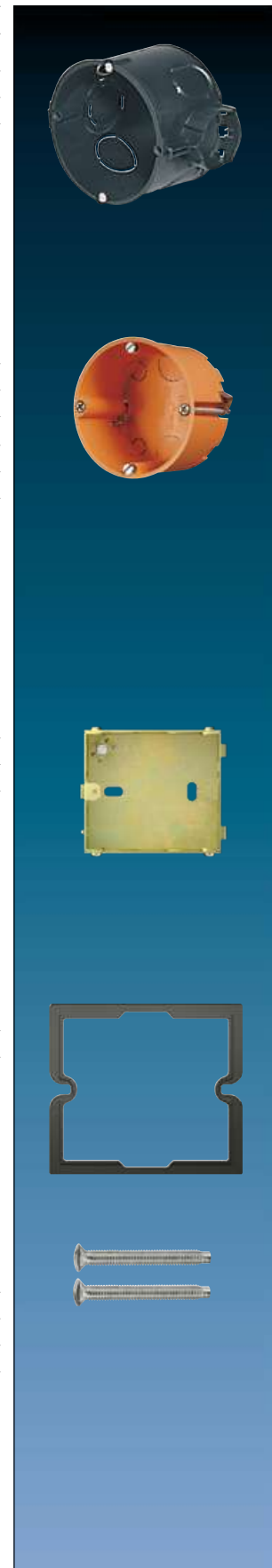


# Lamps



	Ref.-no.
<b>LED lamp</b>	
for switches ref.-no.: 506 U, 507 U, 502 U, 806 W, 807 W, 802 W, 806 NAW, 606 W, 607 W, 602 W, 606 NAW	
for switches with indicator light ref.-no.: 506 KOU, 502 KOU, 806 KOW, 802 KOW, 606 KOW, 602 KOW	
for push switches ref.-no.: 506 TU, 507 TU, 502 TU	
for push switches with indicator light ref.-no.: 506 KOTU, 502 KOTU	
for push-buttons ref.-no.: 531 U, 533 U, 534 U, 831 W, 833 W, 834 W, 631 W, 633 W, 634 W	
for AC and DC, independent of polarity	
blue 12 – 48 V ~, 4 mA	<b>961248 LED BL</b>
green 12 – 48 V ~, 4 mA	<b>961248 LED GN</b>
red 12 – 48 V ~, 4 mA	<b>961248 LED RT</b>
white 12 – 48 V ~, 4 mA	<b>961248 LED W</b>
blue 230 V ~, 1.1 mA	<b>90-LED BL</b>
green 230 V ~, 1.1 mA	<b>90-LED GN</b>
red 230 V ~, 1.1 mA	<b>90-LED RT</b>
white 230 V ~, 1.1 mA	<b>90-LED W</b>
average life approx. 100 000 h	
<b>Plug-in glow lamp</b>	
for SCHUKO® socket with pilot light ref.-no. ..520 KO.., 820 KO..	
230 V ~, 1.1 mA	white <b>93</b>
average life approx. 40 000 h	
<b>LED lamp</b>	
for SCHUKO® socket with pilot light ref.-no. ..520 KO.., 820 KO..	
red 230 V ~, 0.5 mA	<b>93-LED RT</b>
green 230 V ~, 0.5 mA	<b>93-LED GN</b>
average life approx. 100 000 h	
<b>LED lamp</b>	
(Spare part)	
for SCHUKO® socket with pilot light ref.-no. ..1520 ..KO..	
green 230 V ~, 0.3 mA	<b>193-LED GN</b>
average life approx. 100 000 h	

	Ref.-no.
<b>Wall box</b>	
Depth: 46 mm	<b>1056-04</b>
Depth: 63 mm	<b>1556-04</b>
fire resistant up to 650 °C protection level IP 2X device screw distance 60 mm halogen-free for screw and claw fixing break-out openings for for wires and tubes Ø 20 mm / 25 mm with 2 installation screws 15 mm	
<b>Wall box for hollow walls, 1-gang</b>	
Depth: 49 mm	<b>9063-02</b>
Depth: 62 mm	<b>9064-02</b>
<b>halogen-free, colour: white</b>	
Depth: 47 mm	<b>9063-78</b>
Depth: 61 mm	<b>9064-78</b>
<b>cutting hole Ø 68 mm</b>	
fire resistant up to 850 °C standardised combination distance 71 mm for panel thickness 7 – 40 mm device screw distance 60 mm knockout plugs for for wires and tubes Ø 20/25 mm with 2 installation screws	
<b>Wall box</b>	
depth: 40 mm	<b>BS 6042 M-40</b>
depth: 50 mm	<b>BS 6042 M-50</b>
1-gang, rectangular device screw distance 60.3 mm with earth terminal device screws (M 3 x 30 mm) included Wall boxes can be connected for multiple combinations; center-to-center distance 71 mm. Wall boxes that are installed too deeply or out of square can be readjusted with the plaster compensation frame PCF 6042 to create ideal installation conditions for any flush-mounted inserts.	
<b>Plaster compensation frame</b>	
black	<b>PCF 6042</b>
Fire resistant up to 650 °C The PCF 6042 is a stackable compensation frame made of elastic plastic that allows wall boxes that are installed too deeply or out of square to be readjusted, creating the ideal installation conditions for any flush-mounted inserts. Flexibly stackable in 1 mm stages Installation video available: <a href="http://www.jung.de/pcf">www.jung.de/pcf</a>	
<b>Screw set</b>	
for wall box ref.-no. BS 6042 M-40, BS 6042 M-50	
M 3 x 30 mm	<b>SCREW-30</b>
M 3 x 50 mm	<b>SCREW-50</b>
M 3 x 70 mm	<b>SCREW-70</b>



# 50 x 50 mm system



Ref.-no.

## 50 x 50 system (screw fixing)

### For design ranges:

**AS / A:** with intermediate frame no.: A 590 Z..

**CD:** with intermediate frame no.: ..590 Z.. or hinged lid no.: CD 590 KL.. or CD 590 BFKL..

**SL:** with hinged lid no.: SL 590 KL..

**LS:** with intermediate frame no.: LS 961 Z.. or hinged lid no.: LS 990 KL.., LS 990 BFKL .. or .. 2990 KL..

### Centre plate (screw fixing) with inscription field 6 x 37 mm

with supporting frame, screw fixing only

for universal modular jack socket ref.-no.: UMA-CAT6A

#### for 1 socket

#### Thermoplastic (breakproof) high-gloss

white

169-1 NWE WW

#### for 2 sockets

#### Thermoplastic (breakproof) high-gloss

white

169-2 NWE WW

for modular jack sockets

#### RADIAL:

modular jack unshielded 6P6C, RJ 12, Cat. 4 (ref.-no. R280MOD804)

modular jack unshielded 8P8C, RJ 45, Cat. 4 (ref.-no. R280MOD805)

modular jack unshielded 8P8C, RJ 45, Cat. 5e (ref.-no. R280MOD807)

#### Panduit:

keystone jack KJ 88..

keystone jack KJ 588..

#### Assmann:

module DN-93612 Cat. 6A, shielded, Keystone

module DN-93614

#### SCHRACK

HSPMRJ6G1A, HSEMRJ6GBA, HSEMRJ6GBS, HSEMRJ6GWA, HSEMRJ6GWS, HSEMRJ6UWS

### Centre plate (screw fixing) with inscription field 6 x 37 mm

with supporting frame, screw fixing only

for modular jack sockets

#### TE Connectivity (Tyco Electronics / AMP NETCONNECT)

for cable Ø max. 10 mm:

EMT-jack, Cat. 5e, 180° ref.-no. 0-0188650-5

EMT-jack, Cat. 5e, 90° ref.-no. 0-0188650-6

for cable Ø max. 6.5 mm:

EMT-jack, Cat. 5e, 180° ref.-no. 0-0338038-1

EMT-jack, Cat. 5e, 90° ref.-no. 0-0338038-2

Toolless Jack, Cat. 3 unshielded: ref.-no. 0-1116603-x

Toolless Jack, Cat. 5e unshielded: ref.-no. 0-1116604-x,

Toolless Jack, Cat. 5e shielded: ref.-no. 0-1339015-1

Toolless Jack, Cat. 6 unshielded: ref.-no. 0-1116605-x,

Toolless Jack, Cat. 6 shielded: ref.-no. 0-1339016-1

MTRJ-LWL jack: ref.-no. 1278414-1

#### for 1 socket

#### Thermoplastic (breakproof) high-gloss

ivory

169-15 NWE

white

169-15 NWE WW



Ref.-no.

**Centre plate (screw fixing) with inscription field 6 x 37 mm**

with supporting frame, screw fixing only

for modular jack: ref.-no.: 8 FWE

for modular jack AMP: 2168-11-1, semi-shielded, cat. 3

**for 1 socket****Thermoplastic (breakproof) high-gloss**

ivory

**169-1 NFW**

white

**169-1 NFW WW****Centre plate (screw fixing) with inscription field 6 x 37 mm**

with supporting frame, screw fixing only

for modular jack: ref.-no.: 8 FWE

for modular jack AMP: 2168-11-1, semi-shielded, cat. 3

**for 2 sockets****Thermoplastic (breakproof) high-gloss**

ivory

**169-2 NFW**

white

**169-2 NFW WW****Centre plate (screw fixing) with inscription field 6 x 37 mm**

with supporting frame, screw fixing only

for modular jack Radiall: R 280MOD813

for modular jack INFRA +: 7700 U, 7700 D, 7700 E

**for 2 sockets****Thermoplastic (breakproof) high-gloss**

ivory

**169-2 NINF**

white

**169-2 NINF WW****Centre plate**

for 1-gang modular jack sockets

IAE/UAE sockets ref.-no.: UAE 8 UPO

for sockets Cat. 6 ref.-no.: UAE 8 UPOK6

(1 x 8-pol.)

for WLAN access point ref.-no.: WLAN-AC-UAE, WLAN-AC-POE-UAE

**Thermoplastic (breakproof) high-gloss**

white

**169-1 UAE WW**

Suitable inserts:

Rutenbeck: UAE 8(4) UPO, UAE 8(8) UPO, UAE-Cat.5e-8 UPO OK, UAE-real.Cat.6-8 UPO OK

Telegärtner: AMJ 45, UMJ 45 and ISDN 1 x RJ 45 (TYP 8)

**Centre plate**

for 2-gang modular jack sockets

IAE/UAE sockets ref.-no.: UAE 2 x 8 UPO, UAE 8-8 UPO

for sockets Cat. 6 ref.-no.: UAE 8-8 UPOK6

(2 x 8-pol.)

for media converter 2-gang ref.-no.: MK-POF-2UAE

**Thermoplastic (breakproof) high-gloss**

white

**169-2 UAE WW**

black

**169-2 UAE SW**

Suitable inserts:

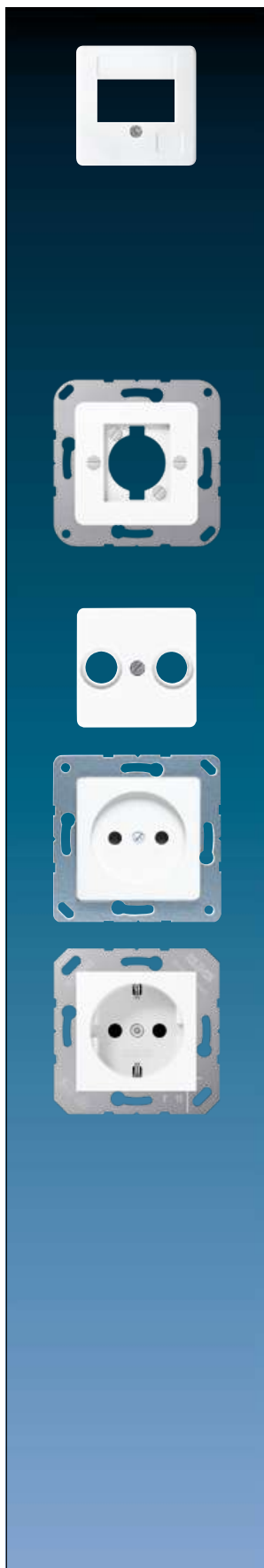
METZ CONNECT (BTR): 1307441001-i or 1307441200-i; E-Dat design 8/8(8), Class E

Rutenbeck: UAE 8/8 (8/8) UPO, UAE 2x8 (8) UPO, UAE-Cat.5e-8/8 UPO OK, UAE-real.Cat.6-8/8 UPO OK

Telegärtner: AMJ 45, UMJ 45 and ISDN 2 x RJ 45 (TYP 8/8)



# 50 x 50 mm system



Ref.-no.

## Centre plate

for stereo loudspeaker socket ref.-no.: SLA 2 WW, SLA 2 AN

for 2-gang supporting frame ref.-no.: UMA-MA2 in connection with universal modular jack socket type A ref.-no.: UMA-CAT6A

for USB data interface ref.-no.: 2131 USBS

for USB charger ref.-no.: USB 15 CA WW, USB 15 CA SW

## Thermoplastic (breakproof) high-gloss

white	169 T WW
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black	169 T SW
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for **Rutenbeck**: UM-MA 2 Up with UM-real Cat.6a A

for **Dätwyler**: flush-mounted modular jack socket (for 2 x MS-K 1/8 Cat.6a), ref.-no.: 440 012

## Centre plate

with supporting frame, screw fixing only

for loudspeaker socket ref.-no.: PB 4

for chassis connector ref.-no.: CXLR-S, CXLR-D

for XLR chassis Neutrik D / DL / DLX Series

internal dimensions (W x H): 27.5 x 32.5 mm

## Thermoplastic (breakproof) high-gloss

white	168-1 WW
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## Centre plate

for TV-FM sockets ref.-no.: EDU 04 F, GEDU 10, GEDU 15

## Duroplastic (scratch-proof) glossy

ivory	P	161 TV
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## Socket, 2-pole without earth 16 A / 250 V ~

screw fixing only, without claws

## Duroplastic (scratch-proof) glossy

white	P	CD 111 WW
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## SCHUKO® socket 16 A / 250 V ~

screw terminals for wires up to 2.5 mm<sup>2</sup>

Supporting frame, claws and claw screws are integrated into the earth protection.

## Thermoplastic (breakproof) high-gloss

ivory	CD 5121 BF
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white	CD 5121 BF WW
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brown	CD 5121 BF BR
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green	CD 5121 BF GN
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grey	CD 5121 BF GR
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light grey	CD 5121 BF LG
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orange	CD 5121 BF O
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black	CD 5121 BF SW
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## Thermoplastic (breakproof) lacquered

bronze-beige	CD 5121 BF BB
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platinum-grey	CD 5121 BF PG
---------------	---------------

Ref.-no.

**SCHUKO® socket 16 A / 250 V ~**screwless terminals for wires up to 2.5 mm<sup>2</sup>

Supporting frame, claws and claw screws are integrated into the earth protection.

**Thermoplastic (breakproof) high-gloss**

ivory	CD 5120 BF
white	CD 5120 BF WW
brown	CD 5120 BF BR
grey	CD 5120 BF GR
light grey	CD 5120 BF LG
black	CD 5120 BF SW

**Thermoplastic (breakproof) lacquered**

bronze-beige	CD 5120 BF BB
platinum-grey	CD 5120 BF PG

**SCHUKO® socket 16 A / 250 V ~****with enhanced contact protection (shutter)**screwless terminals for wires up to 2.5 mm<sup>2</sup>

Supporting frame, claws and claw screws are integrated into the earth protection.

**Thermoplastic (breakproof) high-gloss**

ivory	CD 5120 BFKI
white	CD 5120 BFKI WW

**Socket insert, French/Belgian system**

2-pole + male earth pin, 16 A / 250 V ~

Supporting frame, claws and claw screws are integrated into the earth protection.

**with claws**

with screwless terminals	1520 F EINS
with screw terminals	1521 F EINS

**Socket insert, French/Belgian system**

2-pole + male earth pin, 16 A / 250 V ~

Supporting frame is integrated into the earth protection.



**without claws**

with screwless terminals	1520 NF EINS
with screw terminals	1521 NF EINS

**Centre plate**

for socket insert French/Belgian system, ref.-no.: 1520 ..F EINS, 1521 ..F EINS

**with enhanced contact protection (shutter)****Thermoplastic (breakproof) high-gloss**

ivory	 5121 FBFKIPL-1
white	 5121 FBFKIWWPL-1
stone grey	5121 FBFKI SG PL-1
black	5121 FBFKI SW PL-1

**Socket US NEMA system****15 A, 125 V ~, 5-15R, 2-pole + earth**

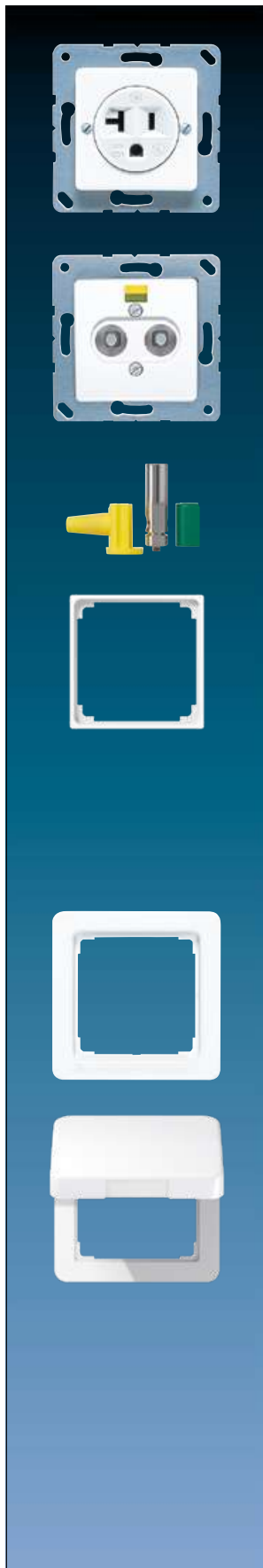
with supporting frame, screw fixing only

screw terminals for wires up to 4 mm<sup>2</sup> acc. to US-NEMA**Thermoplastic (breakproof) high-gloss**

ivory	plug socket black	121-15
white		121-15 WW











# Intermediate frames and hinged lids for 50 x 50 mm system



	Ref.-no.
<b>Socket US NEMA system</b>	
<b>20 A, 125 V ~, 5-20R, 2-pole + earth</b>	
with supporting frame, screw fixing only	
screw terminals for wires up to 4 mm <sup>2</sup> acc. to US-NEMA	
<b>Thermoplastic (breakproof) high-gloss</b>	
ivory	121-20
white	121-20 WW
<b>Potential equalisation socket</b>	
with supporting frame, screw fixing only	
with 2 one-pole built-in male sockets according to DIN 42801	
for wires up to 6 mm <sup>2</sup>	
<b>Thermoplastic (breakproof) high-gloss</b>	
ivory	165-2
white	165-2 WW
<b>Right angle plug</b>	
for potential equalisation socket	
screw terminal for wires with 4 or 6 mm <sup>2</sup>	
	65 WIS
<b>Intermediate frame for AS and A ranges</b>	
to install devices with 50 x 50 mm cover (DIN 49075)	
<b>Thermoplastic (breakproof) high-gloss</b>	
ivory	A 590 Z
white	A 590 Z WW
black	A 590 Z SW
<b>Thermoplastic (breakproof) lacquered</b>	
aluminium	A 590 Z AL
<b>matt lacquered</b>	
matt snow white	A 590 Z WWM
matt graphite black	A 590 Z SWM
<b>Intermediate frame CD range</b>	
to install devices with 50 x 50 mm cover (DIN 49075)	
<b>Thermoplastic (breakproof) high-gloss</b>	
ivory	590 Z
white	CD 590 Z WW
<b>Hinged lid CD range</b>	
for sockets and devices with 50 x 50 mm cover	
<b>Thermoplastic (breakproof) high-gloss</b>	
ivory	CD 590 KL
white	CD 590 KL WW
brown	CD 590 KL BR
grey	CD 590 KL GR
green	CD 590 KL GN
light grey	CD 590 KL LG
orange	CD 590 KL O
black	CD 590 KL SW
<b>metal versions (anodized aluminium)</b>	
gold-bronze	CD 590 KL GB
platinum	CD 590 KL PT



# Intermediate frames and hinged lids for 50 x 50 mm system

	Ref.-no.
<b>Convex hinged lid CD range</b> <b>with inscription field 23 x 59 mm</b> for sockets and devices with 50 x 50 mm cover <b>Thermoplastic (breakproof) high-gloss</b> white	CD 554 KL WW
<b>Convex hinged lid CD range</b> <b>with inscription field 23 x 59 mm</b> <b>with safety lock</b> for sockets and devices with 50 x 50 mm cover <b>Thermoplastic (breakproof) high-gloss</b> white	CD 554 SLKL WW
<b>Key</b> 1 piece	802 SL – 825 SL
<b>When ordering, please indicate lock number!</b>	
<b>Transparent cover with paper inlay</b> for inscription field 23 x 59 mm (Spare part) paper inlay white	CD 54 NA
<b>Hinged lid CD range, with spring</b> for sockets and devices with 50 x 50 mm cover <b>Thermoplastic (breakproof) high-gloss</b>	
ivory	 CD 590 BFKL
white	 CD 590 BFKL WW
brown	CD 590 BFKL BR
grey	 CD 590 BFKL GR
green	CD 590 BFKL GN
light grey	 CD 590 BFKL LG
orange	CD 590 BFKL O
red	CD 590 BFKL RT
<b>Hinged lid CD range, with spring</b> <b>with inscription field 9 x 58 mm</b> for sockets and devices with 50 x 50 mm cover <b>Thermoplastic (breakproof) high-gloss</b>	
ivory	 CD 590 BFNAKL
white	 CD 590 BFNAKL WW
brown	CD 590 BFNAKL BR
grey	 CD 590 BFNAKL GR
green	CD 590 BFNAKL GN
light grey	 CD 590 BFNAKL LG
orange	CD 590 BFNAKL O
red	CD 590 BFNAKL RT
<b>Transparent cover with paper inlay</b> for inscription field 9 x 58 mm (Spare part) paper inlay white	CD 90 NA



# Intermediate frames and hinged lids for 50 x 50 mm system



Ref.-no.	
<b>Hinged lid CD range, with spring</b> <b>with safety lock</b> (24 different locks) <b>with inscription field 9 x 39 mm</b> for sockets and devices with 50 x 50 mm cover <b>Thermoplastic (breakproof) high-gloss</b>	
ivory	<b>CD 590 BFKLSL</b>
white	<b>CD 590 BFKLSL WW</b>
brown	<b>CD 590 BFKLSL BR</b>
grey	<b>CD 590 BFKLSL GR</b>
green	<b>CD 590 BFKLSL GN</b>
light grey	<b>CD 590 BFKLSL LG</b>
orange	<b>CD 590 BFKLSL O</b>
red	<b>CD 590 BFKLSL RT</b>
<b>Key</b> (Spare part) for all hinged lids with safety lock 1 piece	
	<b>802 SL – 825 SL</b>
<b>When ordering, please indicate lock number!</b>	
<b>Transparent cover with paper inlay</b> for inscription field 9 x 39 mm (Spare part)	
paper inlay white	<b>LS 90 NA</b>
<b>Hinged lid SL range</b> for sockets and devices with 50 x 50 mm cover	
white	<b>SL 590 KL WW</b>
gold-bronze	<b>SL 590 KL GB</b>
black	<b>SL 590 KL SW</b>
<b>Intermediate frame LS range</b> to install devices with 50 x 50 mm cover (DIN 49075) <b>Thermoplastic (breakproof) high-gloss</b>	
ivory	<b>LS 961 Z</b>
white	<b>LS 961 Z WW</b>
light grey	<b>LS 961 Z LG</b>
black	<b>LS 961 Z SW</b>
<b>matt lacquered</b>	
matt snow white	<b>LS 961 Z WWM</b>
matt graphite black	<b>LS 961 Z SWM</b>

# Intermediate frames and hinged lids for 50 x 50 mm system

Ref.-no.

## Hinged lid LS range, with spring

for sockets and devices with 50 x 50 mm cover

### Duroplastic (scratch-proof) glossy

ivory	P	LS 990 KL
white	P	LS 990 KL WW
black		LS 990 KL SW

### Thermoplastic (breakproof) high-gloss

ivory	L	LS 990 BFKL
white	L	LS 990 BFKL WW
light grey	L	LS 990 BFKL LG
black	L	LS 990 BFKL SW
green		LS 990 BFKL GN
orange		LS 990 BFKL O
red		LS 990 BFKL RT

### matt lacquered

matt snow white	LS 990 BFKL WWM
matt graphite black	LS 990 BFKL SWM

### metal versions

aluminium	P L	AL 2990 KL
stainless steel	L	ES 2990 KL
anthracite (aluminium lacquered)		AL 2990 KL AN
dark (aluminium lacquered)		AL 2990 KL D
chrome		GCR 2990 KL
gold-coloured		GO 2990 KL
gold-plated		LS 990 KL GGO
classic brass	P	ME 2990 KL C
antique brass		ME 2990 KL AT

## Hinged lid LS range, with spring

### with inscription field 9 x 58 mm

for sockets and devices with 50 x 50 mm cover

### Thermoplastic (breakproof) high-gloss

ivory	L	LS 990 BFNAKL
white	L	LS 990 BFNAKL WW
light grey	L	LS 990 BFNAKL LG
black	L	LS 990 BFNAKL SW
green		LS 990 BFNAKL GN
orange		LS 990 BFNAKL O
red		LS 990 BFNAKL RT

## Transparent cover with paper inlay

for inscription field 9 x 58 mm

(Spare part)

paper inlay white	CD 90 NA
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## Hinged lid LS range, with spring

### with inscription field 12 x 55 mm

for sockets and devices with 50 x 50 mm cover

aluminium	P L	AL 2990 NAKL
stainless steel	L	ES 2990 NAKL
anthracite (aluminium lacquered)		AL 2990 NAKL AN

## Transparent cover

for inscription field 12 x 55 mm

(Spare part)

M 20 NA





Antenna socket



30° mounting adapter



IAE/UAE socket



Multimedia terminals

Perfectly connected with the connection systems from JUNG: from mounting adapters for modular jack connectors to data and multimedia connection systems to USB chargers, all requirements are covered here – in both the private and commercial sectors.



# Connection systems



**SMART TV SOCKET**

JUNG has developed a terminal especially for smart televisions. The Smart TV Socket combines the fast network connection for streaming over the Internet and classic cable or satellite TV in one unit. Available in the JUNG switch design, it integrates harmoniously into the rest of the electrical installation.

# Modular jack sockets



Ref.-no.	
<b>Modular jack socket, cat. 3</b> with screw connection terminals, suitable for ISDN for 6 (RJ 12) and 8 (RJ 45) pole plugs. acc. to DIN EN 60603-7, IEC 603-7	
<b>8 screw contacts</b>	
8-pole, for 1 terminal	<b>UAE 8 UPO</b>
2 x 8-pole, for 2 terminals (parallel)	<b>UAE 2X8 UPO</b>
<b>2 x 8 screw contacts</b>	
2 x 8-pole, for 2 terminals (separate)	<b>UAE 8-8 UPO</b>
<b>Category 3</b> suitable up to 16 MHz	
<b>Modular jack socket, cat. 6 / cat. 6A iso, unshielded</b> with LSA connection terminals	
2 x 8-pole, for 2 terminals (separate)	<b>UAE 8-8 UPO K6 US</b>
RJ 45, category 6 <sub>A</sub> , class E <sub>A</sub> (10 Gbit/s / 500 MHz), Corresponds to Cat. 6 <sub>A</sub> acc. to ISO/IEC 11801 Amendment 2 and Cat. 6A acc. to TIA/EIA-568-B.2-10 2008 suitable for PoE+ acc. to IEEE 802.3at	

Ref.-no.	
<b>Modular jack socket, cat. 6 / cat. 6A iso</b>	
screw fixing only, without claws	
for network applications	
LSA connection terminal, shielded	
variable running of cable without sharp bending from all directions possible	
suitable for standard wall boxes	
8-pole, for 1 terminal	<b>UAE 8 UPOK6</b>
2 x 8-pole, for 2 terminals (separate)	<b>UAE 8-8 UPOK6</b>
RJ 45, category 6 <sub>A</sub> , class E <sub>A</sub> (10 Gbit/s / 500 MHz),	
Corresponds to Cat. 6 <sub>A</sub> acc. to ISO/IEC 11801 Amendment 2 and Cat. 6A	
acc. to TIA/EIA-568-B.2-10 2008	
suitable for PoE+ acc. to IEEE 802.3at	
≥ 1000 insertion/removal cycles, suitable for RJ 11/12	
<b>Centre plates for modular jack sockets:</b>	
<b>for 1 terminal</b>	
AS / A ranges:	ref.-no. A 569-1 PLUA ..
CD range:	ref.-no. CD 569-1 UA .., CD 569-1 NAUA ..
SL range:	ref.-no. SL 569-1 UA ..
LS range:	ref.-no. LS 969-1 UA .., LS 969-1 NAUA .., .. 2969-1 UA .., .. 2969-1 NAUA ..
<b>for 2 terminals</b>	
AS / A ranges:	ref.-no. A 569-2 BFPLUA ..
CD range:	ref.-no. CD 569-2 UA .., CD 569-2 NAUA .., CD 590 KL LAN ..
SL range:	ref.-no. SL 569-2 UA ..
LS range:	ref.-no. LS 969-2 UA .., LS 969-2 NAUA .., .. 2969-2 UA .., .. 2969-2 NAUA .., .. LS 990 BF KL LAN .., .. 2990 KL LAN ..



UAE 8 UPOK6



UAE 8-8 UPOK6

# Universal modular jack socket cat. 6A iso



	Ref.-no.
<b>Universal modular jack socket cat. 6A iso, type A</b> RJ 45, shielded with dust protection cover for covers ref.-no.: 169-1 NWE., 169-2 NWE., ..569-1 NWE., ..569-2 NWE., ..969-1 NWE., ..969-2 NWE.. suitable for 10 Gbit Ethernet	
	<b>UMA-CAT6A</b>
RJ 45, category 6 <sub>A</sub> , class E <sub>A</sub> (10 Gbit/s / 500 MHz), Corresponds to Cat. 6 <sub>A</sub> acc. to ISO/IEC 11801 Amendment 2 and Cat. 6A acc. to TIA/EIA-568-B.2-10 2008 suitable for PoE+ acc. to IEEE 802.3at ≥ 1000 insertion/removal cycles, suitable for RJ 11/12 • Unmistakable terminals with colour code and numeration (A and B code of the same value) • For data cables with a diameter of 6 – 10 mm • For wires of AWG 22 to AWG 24 (rigid/flexible, 7-core cable) Can be combined with 2-gang supporting frame ref.-no.: UMA-MA2 and centre plates .. 569 T .., .. 969 T .. of all design ranges.	
<b>2-gang supporting frame</b> for 2 universal modular jack sockets, type A, ref.-no. UMA-CAT6A screw fixing only, without claws Can be combined with centre plates ref.-no. .. 569 T .., .. 969 T .. of all design ranges. suitable for: <b>Rutenbeck:</b> 13900304 <b>SCHRACK:</b> HSEMRJ6GBA, HSEMRJ6GBS Installation only in cable duct boxes and floor boxes.	
	<b>UMA-MA2</b>
<b>Universal modular jack socket cat. 6A iso, type B</b> RJ 45, shielded with dust protection cover for mounting plate ref.-no.: 54-2 BTR suitable for 10 Gbit Ethernet	
	<b>UMB-CAT6A</b>
RJ 45, category 6 <sub>A</sub> , class E <sub>A</sub> (10 Gbit/s / 500 MHz), Corresponds to Cat. 6 <sub>A</sub> acc. to ISO/IEC 11801 Amendment 2 and Cat. 6A acc. to TIA/EIA-568-B.2-10 2008 suitable for PoE+ acc. to IEEE 802.3at ≥ 1000 insertion/removal cycles, suitable for RJ 11/12 • Unmistakable terminals with colour code and numeration (A and B code of the same value) • For data cables with a diameter of 6 – 10 mm • For wires of AWG 22 to AWG 24 (rigid/flexible, 7-core cable)	



Ref.-no.

## WLAN access point

### WLAN-AC-UAE

- Power supply via 230 V line
- Can be operated as a Wireless Access Point, Client, Repeater or Bridge
- Backside screw terminals (5-pole) for LAN cable
- Frontside LAN connection via RJ45 socket
- Integrated WLAN antenna
- WLAN switchable, timer and timer function
- Wireless range adjustable
- Settings via integrated web server
- Installation in flush box according to EN 60670-1 (recommendation: deep box)
- Not suitable for installation in surface caps

#### Technical data

Rated voltage:	AC 100 ... 240 V ~, 50/60 Hz
Connection mode:	screw terminals
Power consumption:	max. 3 W
Radio data rate:	150 Mbit/s
Radio standards:	IEEE 802.11b/g/n
Frequency range:	2.4 GHz
Security:	WEP, WPA, WPA2
Transmitting power:	100 mW (adjustable 2 ... 100 %)

## WLAN access point PoE

### WLAN-AC-POE-UAE

- Power supply via PoE (class 3)
- Can be operated as a Wireless Access Point, Client, Repeater or Bridge
- Backside screw terminals (9-pole) for LAN cable
- Frontside LAN connection via RJ45 socket
- Additionally, PoE (class 2) is provided at frontside connection
- Integrated WLAN antenna
- WLAN switchable, timer and timer function
- Wireless range adjustable
- Settings via integrated web server
- Installation in flush box according to EN 60670-1 (recommendation: deep box)
- Not suitable for installation in surface caps

#### Technical data

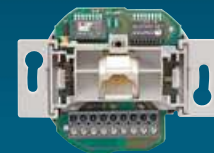
Rated voltage:	PoE 48 V, Class 0, IEEE 802.3at
Connection mode:	screw terminals
Power consumption:	max. 3 W
Radio data rate:	150 Mbit/s
Radio standards:	IEEE 802.11b/g/n
Frequency range:	2.4 GHz
Security:	WEP, WPA, WPA2
Transmitting power:	100 mW (adjustable 2 ... 100 %)

#### Covers for WLAN access points:

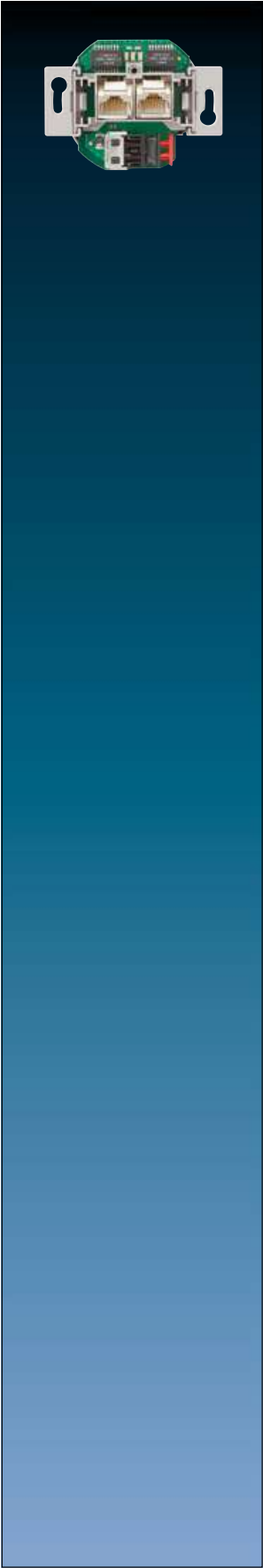
AS / A ranges:	ref.-no.: A 569-1 ..PLUA ..
CD range:	ref.-no.: CD 569-1 UA .., CD 569-1 NAUA ..
SL range:	ref.-no.: SL 569-1 UA ..
LS range:	ref.-no.: ..969-1 UA .., ..969-1 NAUA ..
50 x 50:	ref.-no.: 169-1 UAE WW

#### Accessories for WLAN access points:

Magnet for reset: ref.-no. PL MAGNET 01



# Media converter



Ref.-no.	
<b>Media converter 2-gang</b>	
2 x RJ45, 1 x POF (Polymer Optical Fiber)	
<b>MK-POF-2UAE</b>	
<ul style="list-style-type: none"><li>• Installation in flush box according to EN 60670-1 (recommendation: deep box)</li><li>• Not suitable for installation in surface caps</li></ul>	
<b>Covers:</b>	
AS / A ranges:	ref.-no.: A 569-2 BFPLUA ..
CD range:	ref.-no.: CD 569-2 ..UA ..
SL range:	ref.-no.: SL 569-2 UA ..
LS range:	ref.-no.: ..969-2 UA .., ..969-2 NAUA ..
50 x 50:	ref.-no.: 169-2 UAE WW
<b>Technical data</b>	
Rated voltage:	AC 100 ... 240 V ~ ± 10 %
Power consumption:	typical 0.9 W
Interfaces:	2 x RJ45, 1 x POF (2.2 mm Duplex)
Transfer rate:	applications up to 100 Mbit/s
Max. line length:	70 m with POF 2.2 mm
Wavelength:	typical 660 nm
Transmission characteristics:	
DIN EN 50173-1:2003-06	Category 5
ISO/IEC 11801:2002	Category 5
DIN EN 50173:2011-09	
IEC 60603-7-2:2007	unshielded 100 MHz
TIA/IAE-568-B.2-2001	Category 5e
Manufacturers of POF cables are e.g. Rutenbeck and Leoni.	
Manufacturers of empty conduits with integrated POF cable are e.g. Fränkische Rohrwerke.	

Ref.-no.

## Media converter 1-gang

Rail mounting device, 1 rail unit

1 x RJ45, 1 x POF (Polymer Optical Fiber)

**MK-POF-UAE-REG**

### Technical data

Rated voltage:

AC/DC 8 ... 24 V

Power supply:

via external power supply, ref.-no. NT 1220 REG VDC

input voltage 100 ... 240 V ~

output voltage DC 12 V / 2 A

(not included)

Power consumption:

typical 0.9 W

Interfaces:

1 x RJ45, 1 x POF (2.2 mm Duplex)

Transfer rate:

applications up to 100 Mbit/s

Max. line length:

70 m with POF 2.2 mm

Wavelength:

typical 660 nm

Mounting width:

18 mm (1 rail unit)

Transmission characteristics:

DIN EN 50173-1:2003-06

Category 5

ISO/IEC 11801:2002

Category 5

DIN EN 50173:2011-09

IEC 60603-7-2:2007

unshielded 100 MHz

TIA/IAE-568-B.2-2001

Category 5e

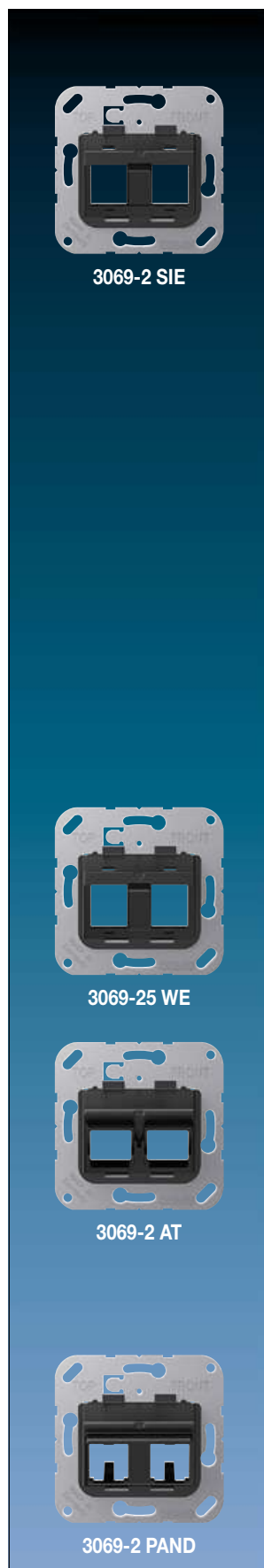
Manufacturers of POF cables are e.g. Rutenbeck and Leoni.

Manufacturers of empty conduits with integrated POF cable

are e.g. Fränkische Rohrwerke.



# Mounting adapter



Ref.-no.

## Mounting adapter 30°

suitable for:

**JUNG:** UMA-CAT6A

**3M:** VOL-0001, VOL-0002, VOLOCK6ASND8

**Assmann:** DN 93612, DN 93615

**METZ CONNECT (BTR):** 130A10-I, 130B23-E, 130B21-E

**CobiNet:** 6920 0052

**Dätwyler:** 418 061

**eku:** t66851000, t66850990

**LEONI:** 9ZQ01000, 9ZK00026

**Nexans:**

N420.666 + adapter red N429.625 or adapter blue N429.626

N420.735 + metal adapter N429.620

N420.550 + adapter red N429.625

N420.555 + adapter red N429.625

N420.67A + adapter red N429.625

N420.66A + adapter red N429.625

N420.661 + adapter red N429.625

N420.660 + adapter red N429.625

**RADIAL:** R280MOD807, R2080MOD810A, R280MOD830, R280MOD803A, R280MOD800, R280MOD834

**Reichle & De-Massari:** R509509 (incl. adapter keystone)

**SETEC:** 501415, 501414

**SIEMON:** MX6-K., MX5-K., Z6A-SK(XX), Z5A-SK(XX), Z6A-K01, Z6A-01, MX5-F01, MX6-01, MX6-F01, Z5-S01, MX5-01, Z6-K01, Z6-01, Z6A-S01

**Telegärtner:** J00029K0036, J00029A2000

**SCHRACK:** HSPMRJ6G1A, HSEMRJ6GBA, HSEMRJ6GBS, HSEMRJ6GWA, HSEMRJ6GWS, HSEMRJ6UWS

**3069-2 SIE**

suitable for:

**TE Connectivity:** 1375187-1, 0-1375189-1, 1375190-1, 0-1375188-1 (replacement for 569013-1), 1375055-1, 1339015-1, 1711592-1

**Brand-Rex:** AC6JAKU002, AC6JAKU0K2, AC6JAKU000

**3069-25 WE**

suitable for:

**Commscope (Systimax) MEGALINE:** MGS200, MGS500BH-262, MPS100E-003

**Reichle & De-Massari:**

R808370 (incl. adapter no. 1)

R304373 + adapter R310694

R302372 + adapter R310694

R305111 + adapter R310694

R305112 + adapter R310694

R305113 + adapter R310694

R305114 + adapter R310694

**3069-2 AT**

suitable for:

**Panduit:** CJS688TGY, CJ688TGAW, CMDJAQLCBL, CMDSLCZAW, CJ6X88TGAW, CJ5E88TGAW, CJS5E88TGY

**3069-2 PAND**

Ref.-no.

## Mounting adapter 30°

suitable for:

**LexCom:** 306520007 + mounting frame creme 306580030

**3069-2 LEX**

suitable for:

**Brand-Rex:** C6CJAKU0K2

**Panduit:** NK688MBL

**TE Connectivity:** 1711342-1, 1116604-x, 1116603-x

**3069-2 BR**

## Centre plate with inscription field 9 x 51 mm

for mounting adapter 30° ref.-no.: 3069..

### for AS and A ranges

#### Thermoplastic (breakproof) high-gloss

ivory	A 569-30 BF PL
white	A 569-30 BF PL WW
black	A 569-30 BF PL SW

#### Thermoplastic (breakproof) lacquered

aluminium	A 569-30 BF PL AL
<b>matt lacquered</b>	
matt anthracite	A 569-30 BF PL ANM

### for LS range

#### Thermoplastic (breakproof) high-gloss

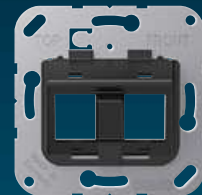
ivory	LS 569-30 BF PL
white	LS 569-30 BF PL WW
light grey	LS 569-30 BF PL LG
black	LS 569-30 BF PL SW

#### metal colours (thermoplastic lacquered)

aluminium (lacquered)	AL 569-30 BF PL-L
stainless steel (lacquered)	ES 569-30 BF PL-L
anthracite (lacquered)	AL 569-30 BF PL AN L
classic brass (lacquered)	ME 569-30 BF PL C-L
antique brass (lacquered)	ME 569-30 BF PL AT L



3069-2 LEX

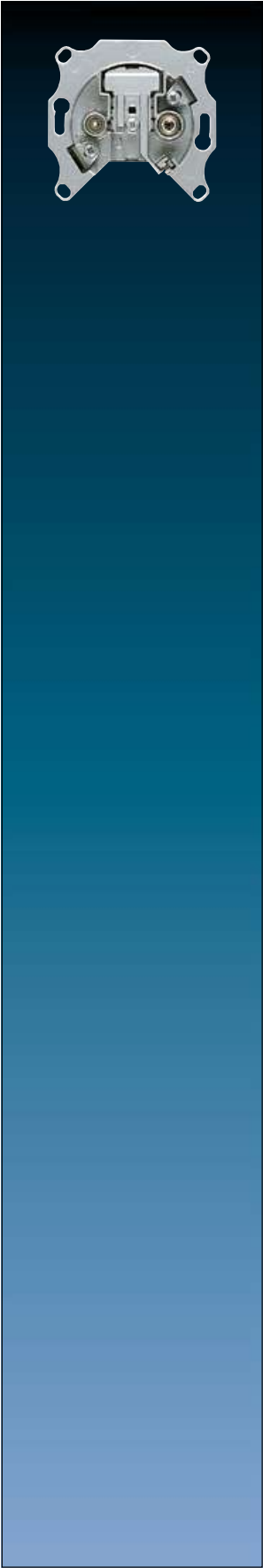


3069-2 BR





# TV-FM sockets



Ref.-no.

### TV-FM socket outlet insert

Screwless terminals  
for cable TV and SAT distribution  
Frequency range 5 ... 2400 MHz without gaps on both outputs.  
Housing: torsion-resistant, passivated diecast zinc

Terminated outlet

**EDU 04 F**

Terminated outlets are used for individual and community installation (BK, CATV, MATV)  
connected to decoupling stub lines.

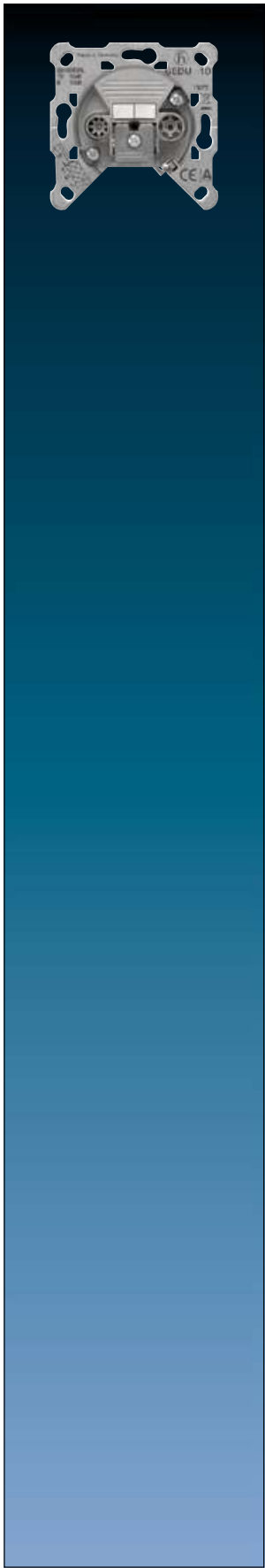
### Technical data

IN – TV (IEC male)	
Frequency range:	5 ... 2150 (2400) MHz
Attenuation:	4.0 dB
IN – RF (IEC female)	
Frequency range:	5 ... 2150 (2400) MHz
Attenuation:	4.0 dB
Isolation	
TV – RF:	VHF, UHF / SAT: 20/20 dB
DC through	
TV – IN (IEC male):	13/18 V, 22 kHz max. +24 V/0.5 A

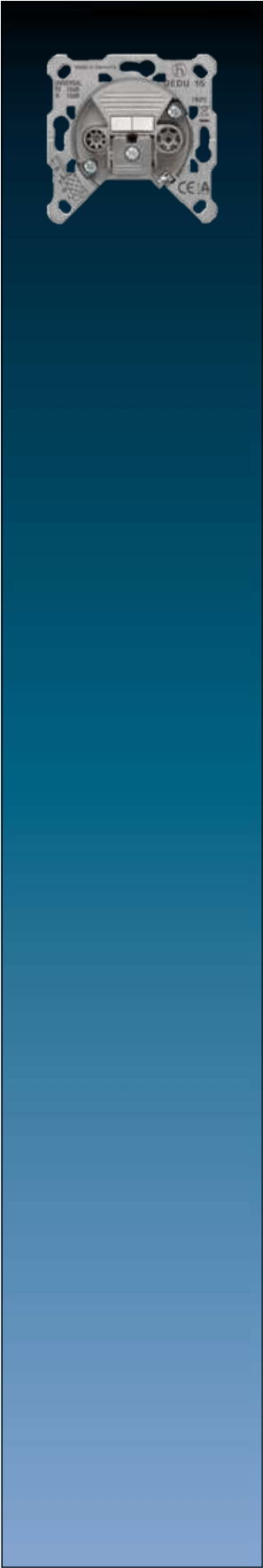
### Covers:

AS / A ranges:	ref.-no.: A 561 PLTV ..
CD range:	ref.-no.: CD 561 SAT ..
SL range:	ref.-no.: SL 561 TV ..
LS range:	ref.-no.: ..990 TV ..
50 x 50:	ref.-no.: 161 TV

Ref.-no.	
<b>TV-FM socket outlet insert</b>	
Screwless terminals for cable TV and SAT distribution Frequency range 5 ... 2400 MHz without gaps on both outputs. Housing: torsion-resistant, passivated diecast zinc	
Loop through outlet	<b>GEDU 10</b>
Loop through outlets can also be used in tree networks. The last loop through socket installed in a trunk or stub line must be terminated by terminating resistor R 75.	
<b>Technical data</b>	
IN – OUT (throughpass)	
Frequency range:	5 ... 2150 (2400) MHz
Attenuation:	2.5 dB
IN – TV (IEC male)	
Frequency range:	5 ... 2150 (2400) MHz
Attenuation:	10.0 dB
IN – RF (IEC female)	
Frequency range:	5 ... 2150 (2400) MHz
Attenuation:	10.0 dB
Isolation	
OUT – TV / RF:	VHF, UHF / SAT: 35/20 dB
TV – RF:	VHF, UHF / SAT: 38/30 dB
DC through:	no
<b>Covers:</b>	
AS / A ranges:	ref.-no.: A 561 PLTV ..
CD range:	ref.-no.: CD 561 SAT ..
SL range:	ref.-no.: SL 561 TV ..
LS range:	ref.-no.: ..990 TV ..
50 x 50:	ref.-no.: 161 TV



# TV-FM sockets



Ref.-no.

### TV-FM socket outlet insert

Screwless terminals  
for cable TV and SAT distribution  
Frequency range 5 ... 2400 MHz without gaps on both outputs.  
Housing: torsion-resistant, passivated diecast zinc  
Loop through outlet

**GEDU 15**

Loop through outlets can also be used in tree networks. The last loop through socket installed in a trunk or stub line must be terminated by terminating resistor R 75.  
Note on the use of loop through outlets GEDU 10 and GEDU 15:  
In a main line with e.g. 7 subscribers the first 4 TV sockets will be GEDU 15 and the remaining ones will be GEDU 10. In this way all sockets will have approximately the same signal strength.

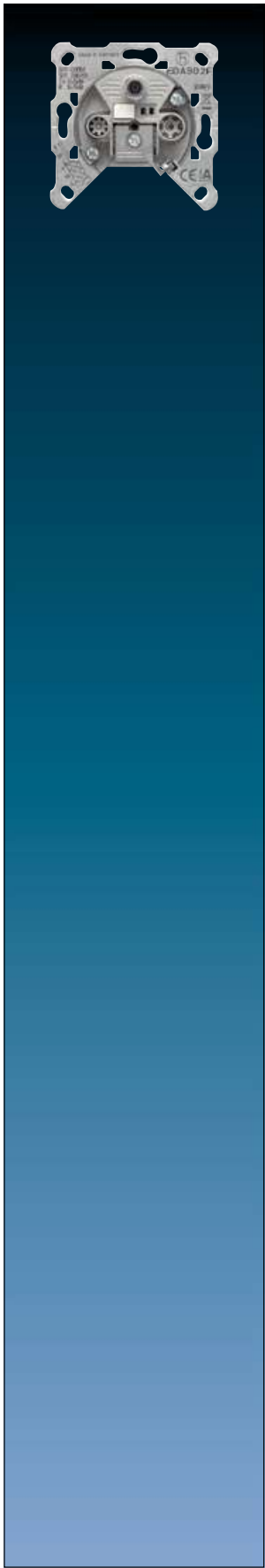
### Technical data

IN – OUT (throughpass)	
Frequency range:	5 ... 2150 (2400) MHz
Attenuation:	1.0 dB
IN – TV (IEC male)	
Frequency range:	5 ... 2150 (2400) MHz
Attenuation:	15.0 dB
IN – RF (IEC female)	
Frequency range:	5 ... 2150 (2400) MHz
Attenuation:	15.0 dB
Isolation	
OUT – TV / RF:	VHF, UHF / SAT: 38/30 dB
TV – RF:	VHF, UHF / SAT: 24/24 dB
DC through:	no

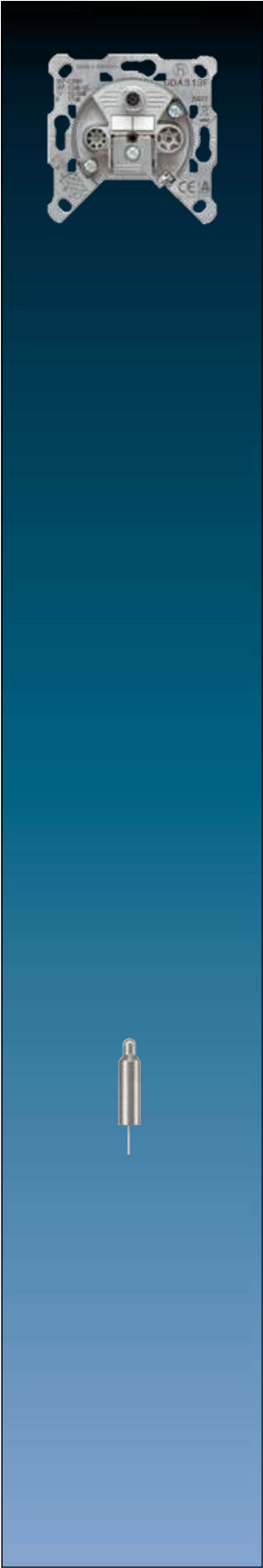
### Covers:

AS / A ranges:	ref.-no.: A 561 PLTV ..
CD range:	ref.-no.: CD 561 SAT ..
SL range:	ref.-no.: SL 561 TV ..
LS range:	ref.-no.: ..990 TV ..
50 x 50:	ref.-no.: 161 TV

Ref.-no.	
<b>SAT-TV-FM socket outlet insert</b>	
Screwless terminals	
3-gang all-round antenna socket with interconnected frequency bands, thus flexible and future proof.	
Suitable for SAT IF and CATV domestic distribution installations.	
Seamless CATV and SAT ranges and low distribution attenuation thanks to combined filter-tap structure.	
Housing: torsion-resistant, passivated diecast zinc	
Terminated outlet	<b>EDA 302 F</b>
Terminated outlets are used for individual and community installation (BK, CATV, MATV) connected to decoupling stub lines.	
<b>Technical data</b>	
IN – TV (IEC male)	
Frequency range:	5 ... 862 MHz
Attenuation:	2.5 dB
IN – RF (IEC female)	
Frequency range:	5 ... 118 MHz
Attenuation:	6.5 dB
IN – SAT (F female)	
Frequency range:	950 ... 2150 (2400) MHz
Attenuation:	2.2 dB
Isolation	
TV – SAT:	VHF, UHF / SAT: 20/20 dB
RF – SAT:	VHF / SAT: 35/30 dB
TV – RF:	VHF, UHF: 20 dB
DC through	
SAT-IN (F female):	13/18 V, 22 kHz
	max. +24 V/0.5 A
<b>Covers:</b>	
AS / A ranges:	ref.-no.: A 561 PLSAT ..
CD range:	ref.-no.: CD 561 SAT ..
SL range:	ref.-no.: SL 561 SAT ..
LS range:	ref.-no.: ..990 SAT ..



# TV-FM sockets



Ref.-no.

### SAT-TV-FM socket outlet insert

Screwless terminals  
3-gang all-round antenna socket with interconnected frequency bands, thus flexible and future proof.  
Suitable for SAT IF and CATV domestic distribution installations.  
Seamless CATV and SAT ranges and low distribution attenuation thanks to combined filter-tap structure.  
Housing: torsion-resistant, passivated diecast zinc

Loop through outlet

**GDA 313 F**

Loop through outlets can also be used in tree networks. The last loop through socket installed in a trunk or stub line must be terminated by terminating resistor R 75.

### Technical data

IN – OUT (throughpass)	
Frequency range:	5 ... 2150 (2400) MHz
Attenuation:	1.0 ... 2.0 (2.8) dB
IN – TV (IEC male)	
Frequency range:	5 ... 862 MHz
Attenuation:	13.0 dB
IN – RF (IEC female)	
Frequency range:	5 ... 118 MHz
Attenuation:	17.0 dB
IN – SAT (F female)	
Frequency range:	950 ... 2150 (2400) MHz
Attenuation:	12.0 (13.5) dB
Isolation	
OUT – TV / RF:	VHF, UHF: 28 dB
OUT – SAT:	SAT: 18 dB
TV – SAT:	VHF, UHF / SAT: 20/20 dB
RF – SAT:	VHF / SAT: 35/30 dB
TV – RF:	VHF, UHF: 20 dB
DC through	
SAT-IN (F female):	13/18 V, 22 kHz max. +24 V/0.5 A

### Covers:

AS / A ranges:	ref.-no.: A 561 PLSAT ..
CD range:	ref.-no.: CD 561 SAT ..
SL range:	ref.-no.: SL 561 SAT ..
LS range:	ref.-no.: ..990 SAT ..

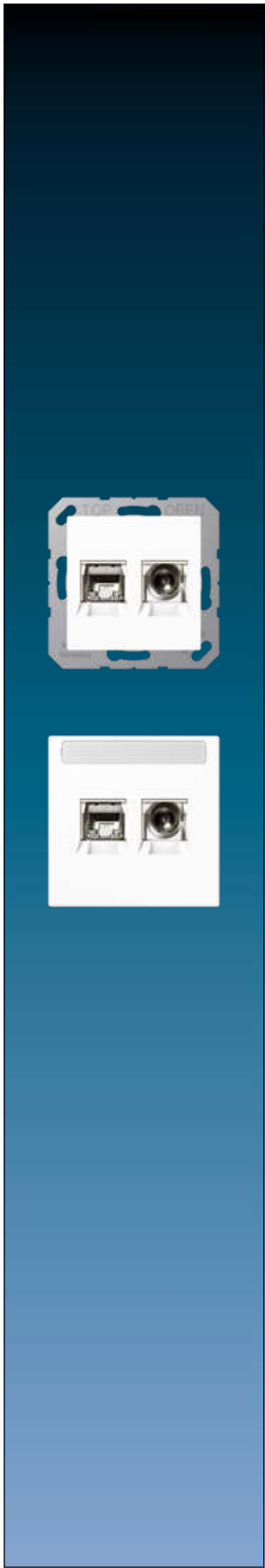
### Terminating resistor 75 Ω

to terminate the last loop through socket installed in a line  
for TV-FM socket outlet inserts ref.-no.: GEDU 10, GEDU 15, GDA 313 F

**R 75**



	Ref.-no.
<b>Smart TV socket</b> with supporting frame, screw fixing only <b>Cover with snap-on fixing and shutter with spring</b> including universal modular jack socket ref.-no.: UMA-CAT6A and IEC plug module for antenna cables	
<b>Technical data</b> Specification IEC plug module	
External connection:	coaxial plug IEC 60169-2
Internal connection:	F socket IEC 60169-24
Impedance:	75 Ohm
Frequency range:	5 ... 2,400 MHz
Attenuation:	0.0 dB
Installation depth not considering cables	
Universal modular jack socket:	40 mm
IEC plug module:	30 mm
Use right angle plug.	
Consider bending radius. Ensure sufficient installation space.	
<b>for AS and A ranges</b> <b>Thermoplastic (breakproof) high-gloss</b>	
white	<b>MMD A 4521 WW</b>
<b>for LS range</b> with inscription field 9 x 58 mm <b>Thermoplastic (breakproof) high-gloss</b>	
white	<b>MMD LS 4521 WW</b>



# Accessories – Audio



Ref.-no.	
<b>Chassis connector</b>	
XLR compatible, with universal housing for male and female version	
Chassis (male)	<b>CXLR-S</b>
Chassis (female)	<b>CXLR-D</b>
<b>Covers:</b>	
AS / A ranges:	ref.-no.: A 568-1 BF ..
CD range:	ref.-no.: 568-1
50 x 50:	ref.-no.: 168-1 WW
<b>Gold-plated loudspeaker terminal</b>	
for professional connection of high quality loudspeaker systems	
Cable sockets (6 mm and 8 mm fork) or crimped cables (6 mm <sup>2</sup> ) are connected with a patented clamping nut system. The pole terminal body is manufactured in one piece to obtain the least resistance.	
red identification	<b>LPK 63 RT</b>
black identification	<b>LPK 63 SW</b>
<b>Technical data</b>	
Internal connection:	soldering or crimped connection (crimped ferrule, screw contact)
Transition resistance:	≤ 0.1 mΩ clamp connection
	≤ 0.15 mΩ banana plug 4 mm
Material:	24 carat gold-plated copper
<b>High quality RCA (phono) socket pair</b>	
red/white identification	<b>CIB 63</b>
made of 24 carat gold plated copper, double prismatic contact	
With special pressure spring mechanic, dielectric made of Teflon	
Inside connection: soldering	
<b>Mounting plate</b>	
for installation of loudspeaker terminals (ref.-no. LPK 63 RT, LPK 63 SW) or RCA (phono) sockets (ref.-no. CIB 63) in cover for 2 loudspeaker sockets (ref.-no. .. 562 .., .. 962 ..)	
<b>63 WBT</b>	
<b>Stereo loudspeaker socket</b>	
<b>25 V ~, 60 V DC</b>	
for wires up to 10 mm <sup>2</sup>	
with 4 front side plug terminals in red/black	
also suitable for SELV	
white	<b>SLA 2 WW</b>
anthracite	<b>SLA 2 AN</b>
<b>Covers:</b>	
AS / A ranges:	ref.-no. A 569 PLT ..
CD range:	ref.-no. CD 569 T .. (not metal versions)
LS range:	ref.-no. .. 969 T .., .. 2969 T ..

Ref.-no.

## Cinch Audio (RCA) / Stereo Jack (TRS 3.5 mm)

with supporting frame, screw fixing only

### for AS and A ranges

#### Thermoplastic (breakproof) high-gloss

ivory	MA A 1011
white	MA A 1011 WW
black	MA A 1011 SW

#### Thermoplastic (breakproof) lacquered

aluminium	MA A 1011 AL
<b>matt lacquered</b>	
matt snow white	MA A 1011 WWM
matt graphite black	MA A 1011 SWM
matt anthracite	MA A 1011 ANM

### for CD range

#### Thermoplastic (breakproof) high-gloss

white	MA CD 1011 WW
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### for LS range

#### Thermoplastic (breakproof) high-gloss

ivory	MA LS 1011
white	MA LS 1011 WW
light grey	MA LS 1011 LG
black	MA LS 1011 SW

#### matt lacquered

matt snow white	MA LS 1011 WWM
matt graphite black	MA LS 1011 SWM

#### metal versions

aluminium	MA AL 1011
stainless steel	MA ES 1011
anthracite (aluminium lacquered)	MA AL 1011 AN

## Cinch Audio (RCA)

with supporting frame, screw fixing only

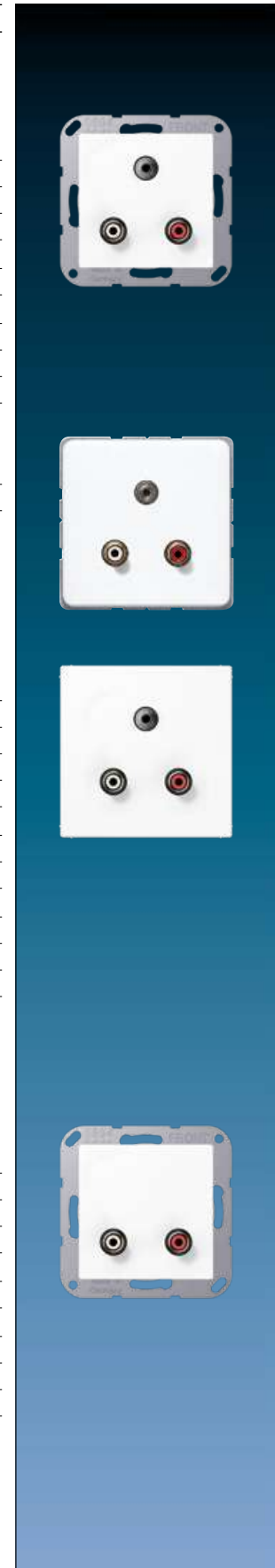
### for AS and A ranges

#### Thermoplastic (breakproof) high-gloss

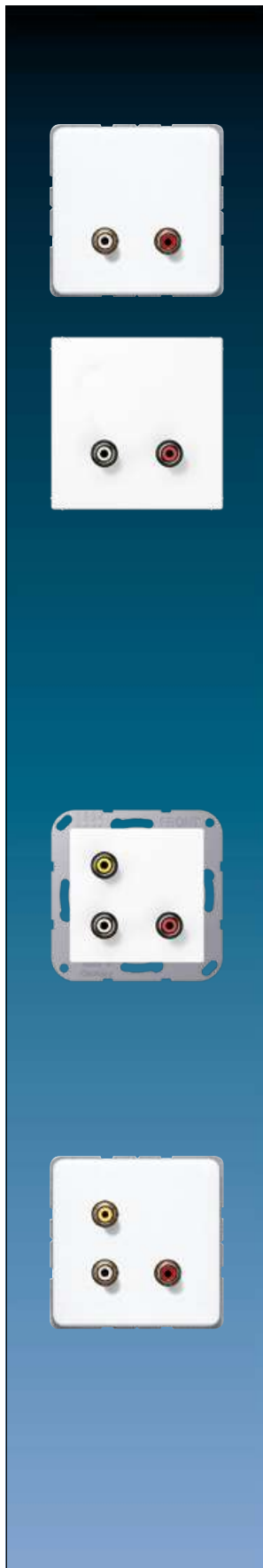
ivory	MA A 1021
white	MA A 1021 WW
black	MA A 1021 SW

#### Thermoplastic (breakproof) lacquered

aluminium	MA A 1021 AL
<b>matt lacquered</b>	
matt snow white	MA A 1021 WWM
matt graphite black	MA A 1021 SWM
matt anthracite	MA A 1021 ANM



# Multimedia terminals



	Ref.-no.
<b>Cinch Audio (RCA)</b>	
with supporting frame, screw fixing only	
<b>for CD range</b>	
<b>Thermoplastic (breakproof) high-gloss</b>	
white	MA CD 1021 WW
<b>for LS range</b>	
<b>Thermoplastic (breakproof) high-gloss</b>	
ivory	MA LS 1021
white	MA LS 1021 WW
light grey	MA LS 1021 LG
black	MA LS 1021 SW
<b>matt lacquered</b>	
matt snow white	MA LS 1021 WWM
matt graphite black	MA LS 1021 SWM
<b>metal versions</b>	
aluminium	MA AL 1021
stainless steel	MA ES 1021
anthracite (aluminium lacquered)	MA AL 1021 AN
<b>Cinch Audio (RCA) / Composite Video</b>	
with supporting frame, screw fixing only	
<b>for AS and A ranges</b>	
<b>Thermoplastic (breakproof) high-gloss</b>	
ivory	MA A 1031
white	MA A 1031 WW
black	MA A 1031 SW
<b>Thermoplastic (breakproof) lacquered</b>	
aluminium	MA A 1031 AL
<b>matt lacquered</b>	
matt snow white	MA A 1031 WWM
matt graphite black	MA A 1031 SWM
matt anthracite	MA A 1031 ANM
<b>for CD range</b>	
<b>Thermoplastic (breakproof) high-gloss</b>	
white	MA CD 1031 WW

Ref.-no.

## Cinch Audio (RCA) / Composite Video

with supporting frame, screw fixing only

### for LS range

#### Thermoplastic (breakproof) high-gloss

ivory	MA LS 1031
white	MA LS 1031 WW
light grey	MA LS 1031 LG
black	MA LS 1031 SW

#### matt lacquered

matt snow white	MA LS 1031 WWM
matt graphite black	MA LS 1031 SWM

#### metal versions

aluminium	MA AL 1031
stainless steel	MA ES 1031
anthracite (aluminium lacquered)	MA AL 1031 AN

## VGA

with supporting frame, screw fixing only

### for AS and A ranges

#### Thermoplastic (breakproof) high-gloss

ivory	MA A 1102
white	MA A 1102 WW
black	MA A 1102 SW

#### Thermoplastic (breakproof) lacquered

aluminium	MA A 1102 AL
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#### matt lacquered

matt snow white	MA A 1102 WWM
matt graphite black	MA A 1102 SWM
matt anthracite	MA A 1102 ANM

### for CD range

#### Thermoplastic (breakproof) high-gloss

white	MA CD 1102 WW
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### for LS range

#### Thermoplastic (breakproof) high-gloss

ivory	MA LS 1102
white	MA LS 1102 WW
light grey	MA LS 1102 LG
black	MA LS 1102 SW

#### matt lacquered

matt snow white	MA LS 1102 WWM
matt graphite black	MA LS 1102 SWM

#### metal versions

aluminium	MA AL 1102
stainless steel	MA ES 1102
anthracite (aluminium lacquered)	MA AL 1102 AN





# Multimedia terminals



Ref.-no.

## HDMI

with supporting frame, screw fixing only

Consider bending radius and various plug types. Ensure sufficient installation space.

### for AS and A ranges

#### Thermoplastic (breakproof) high-gloss

ivory	MA A 1112
white	MA A 1112 WW
black	MA A 1112 SW

#### Thermoplastic (breakproof) lacquered

aluminium	MA A 1112 AL
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#### matt lacquered

matt snow white	MA A 1112 WWM
matt graphite black	MA A 1112 SWM
matt anthracite	MA A 1112 ANM

### for CD range

#### Thermoplastic (breakproof) high-gloss

white	MA CD 1112 WW
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### for LS range

#### Thermoplastic (breakproof) high-gloss

ivory	MA LS 1112
white	MA LS 1112 WW
light grey	MA LS 1112 LG
black	MA LS 1112 SW

#### matt lacquered

matt snow white	MA LS 1112 WWM
matt graphite black	MA LS 1112 SWM

#### metal versions

aluminium	MA AL 1112
stainless steel	MA ES 1112
anthracite (aluminium lacquered)	MA AL 1112 AN

## USB 2.0

with supporting frame, screw fixing only

Consider bending radius and various plug types. Ensure sufficient installation space.

### for AS and A ranges

#### Thermoplastic (breakproof) high-gloss

ivory	MA A 1122
white	MA A 1122 WW
black	MA A 1122 SW

#### Thermoplastic (breakproof) lacquered

aluminium	MA A 1122 AL
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#### matt lacquered

matt snow white	MA A 1122 WWM
matt graphite black	MA A 1122 SWM
matt anthracite	MA A 1122 ANM

Ref.-no.

## USB 2.0

with supporting frame, screw fixing only  
Consider bending radius and various plug types. Ensure sufficient installation space.

### for CD range

#### Thermoplastic (breakproof) high-gloss

white	MA CD 1122 WW
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### for LS range

#### Thermoplastic (breakproof) high-gloss

ivory	MA LS 1122
white	MA LS 1122 WW
light grey	MA LS 1122 LG
black	MA LS 1122 SW

#### matt lacquered

matt snow white	MA LS 1122 WWM
matt graphite black	MA LS 1122 SWM

#### metal versions

aluminium	MA AL 1122
stainless steel	MA ES 1122
anthracite (aluminium lacquered)	MA AL 1122 AN

## Cinch Audio (RCA) / Stereo Jack (TRS 3.5 mm) / VGA

with supporting frame, screw fixing only

### for AS and A ranges

#### Thermoplastic (breakproof) high-gloss

ivory	MA A 1072
white	MA A 1072 WW
black	MA A 1072 SW

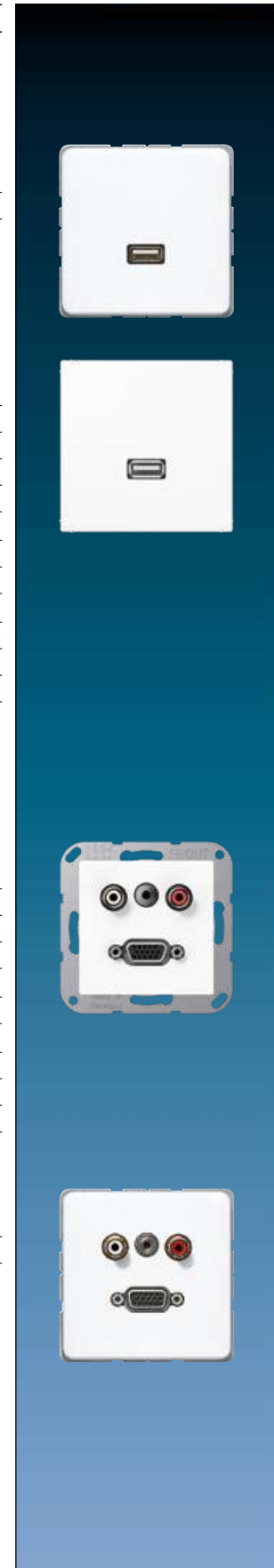
#### Thermoplastic (breakproof) lacquered

aluminium	MA A 1072 AL
<b>matt lacquered</b>	
matt snow white	MA A 1072 WWM
matt graphite black	MA A 1072 SWM
matt anthracite	MA A 1072 ANM

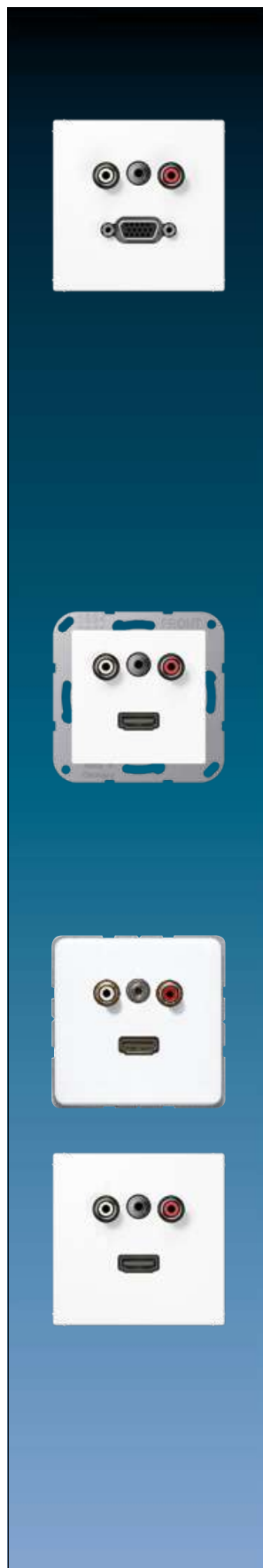
### for CD range

#### Thermoplastic (breakproof) high-gloss

white	MA CD 1072 WW
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# Multimedia terminals



Ref.-no.

## Cinch Audio (RCA) / Stereo Jack (TRS 3.5 mm) / VGA

with supporting frame, screw fixing only

### for LS range

#### Thermoplastic (breakproof) high-gloss

ivory	MA LS 1072
white	MA LS 1072 WW
light grey	MA LS 1072 LG
black	MA LS 1072 SW

#### matt lacquered

matt snow white	MA LS 1072 WWM
matt graphite black	MA LS 1072 SWM

#### metal versions

aluminium	MA AL 1072
stainless steel	MA ES 1072
anthracite (aluminium lacquered)	MA AL 1072 AN

## Cinch Audio (RCA) / Stereo Jack (TRS 3.5 mm) / HDMI

with supporting frame, screw fixing only

Consider bending radius and various plug types. Ensure sufficient installation space.

### for AS and A ranges

#### Thermoplastic (breakproof) high-gloss

ivory	MA A 1082
white	MA A 1082 WW
black	MA A 1082 SW

#### Thermoplastic (breakproof) lacquered

aluminium	MA A 1082 AL
<b>matt lacquered</b>	
matt snow white	MA A 1082 WWM
matt graphite black	MA A 1082 SWM
matt anthracite	MA A 1082 ANM

### for CD range

#### Thermoplastic (breakproof) high-gloss

white	MA CD 1082 WW
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### for LS range

#### Thermoplastic (breakproof) high-gloss

ivory	MA LS 1082
white	MA LS 1082 WW
light grey	MA LS 1082 LG
black	MA LS 1082 SW

#### matt lacquered

matt snow white	MA LS 1082 WWM
matt graphite black	MA LS 1082 SWM

#### metal versions

aluminium	MA AL 1082
stainless steel	MA ES 1082
anthracite (aluminium lacquered)	MA AL 1082 AN

Ref.-no.

## 2 x HDMI

with supporting frame, screw fixing only

Consider bending radius and various plug types. Ensure sufficient installation space.

### for AS and A ranges

#### Thermoplastic (breakproof) high-gloss

ivory	MA A 1133
white	MA A 1133 WW
black	MA A 1133 SW

#### Thermoplastic (breakproof) lacquered

aluminium	MA A 1133 AL
<b>matt lacquered</b>	
matt snow white	MA A 1133 WWM
matt graphite black	MA A 1133 SWM
matt anthracite	MA A 1133 ANM

### for CD range

#### Thermoplastic (breakproof) high-gloss

white	MA CD 1133 WW
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### for LS range

#### Thermoplastic (breakproof) high-gloss

ivory	MA LS 1133
white	MA LS 1133 WW
light grey	MA LS 1133 LG
black	MA LS 1133 SW

#### matt lacquered

matt snow white	MA LS 1133 WWM
matt graphite black	MA LS 1133 SWM

#### metal versions

aluminium	MA AL 1133
stainless steel	MA ES 1133
anthracite (aluminium lacquered)	MA AL 1133 AN

## 2 x USB 2.0

with supporting frame, screw fixing only

Consider bending radius and various plug types. Ensure sufficient installation space.

### for AS and A ranges

#### Thermoplastic (breakproof) high-gloss

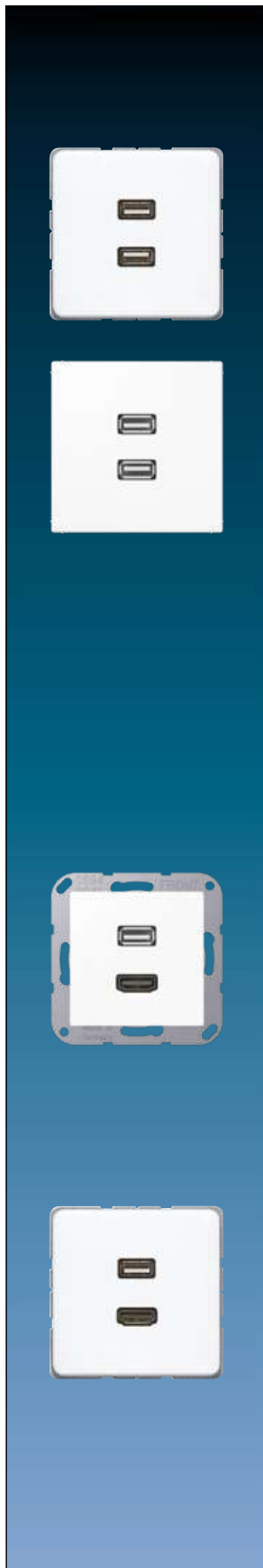
ivory	MA A 1153
white	MA A 1153 WW
black	MA A 1153 SW

#### Thermoplastic (breakproof) lacquered

aluminium	MA A 1153 AL
<b>matt lacquered</b>	
matt snow white	MA A 1153 WWM
matt graphite black	MA A 1153 SWM
matt anthracite	MA A 1153 ANM



# Multimedia terminals



Ref.-no.

## 2 x USB 2.0

with supporting frame, screw fixing only

Consider bending radius and various plug types. Ensure sufficient installation space.

### for CD range

#### Thermoplastic (breakproof) high-gloss

white	MA CD 1153 WW
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### for LS range

#### Thermoplastic (breakproof) high-gloss

ivory	MA LS 1153
white	MA LS 1153 WW
light grey	MA LS 1153 LG
black	MA LS 1153 SW

#### matt lacquered

matt snow white	MA LS 1153 WWM
matt graphite black	MA LS 1153 SWM

#### metal versions

aluminium	MA AL 1153
stainless steel	MA ES 1153
anthracite (aluminium lacquered)	MA AL 1153 AN

## HDMI / USB 2.0

with supporting frame, screw fixing only

Consider bending radius and various plug types. Ensure sufficient installation space.

### for AS and A ranges

#### Thermoplastic (breakproof) high-gloss

ivory	MA A 1163
white	MA A 1163 WW
black	MA A 1163 SW

#### Thermoplastic (breakproof) lacquered

aluminium	MA A 1163 AL
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#### matt lacquered

matt snow white	MA A 1163 WWM
matt graphite black	MA A 1163 SWM
matt anthracite	MA A 1163 ANM

### for CD range

#### Thermoplastic (breakproof) high-gloss

white	MA CD 1163 WW
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Ref.-no.

## HDMI / USB 2.0

with supporting frame, screw fixing only

Consider bending radius and various plug types. Ensure sufficient installation space.

### for LS range

#### Thermoplastic (breakproof) high-gloss

ivory	MA LS 1163
white	MA LS 1163 WW
light grey	MA LS 1163 LG
black	MA LS 1163 SW

#### matt lacquered

matt snow white	MA LS 1163 WWM
matt graphite black	MA LS 1163 SWM

#### metal versions

aluminium	MA AL 1163
stainless steel	MA ES 1163
anthracite (aluminium lacquered)	MA AL 1163 AN

## HDMI / VGA

with supporting frame, screw fixing only

Consider bending radius and various plug types. Ensure sufficient installation space.

### for AS and A ranges

#### Thermoplastic (breakproof) high-gloss

ivory	MA A 1173
white	MA A 1173 WW
black	MA A 1173 SW

#### Thermoplastic (breakproof) lacquered

aluminium	MA A 1173 AL
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#### matt lacquered

matt snow white	MA A 1173 WWM
matt graphite black	MA A 1173 SWM
matt anthracite	MA A 1173 ANM

### for CD range

#### Thermoplastic (breakproof) high-gloss

white	MA CD 1173 WW
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### for LS range

#### Thermoplastic (breakproof) high-gloss

ivory	MA LS 1173
white	MA LS 1173 WW
light grey	MA LS 1173 LG
black	MA LS 1173 SW

#### matt lacquered

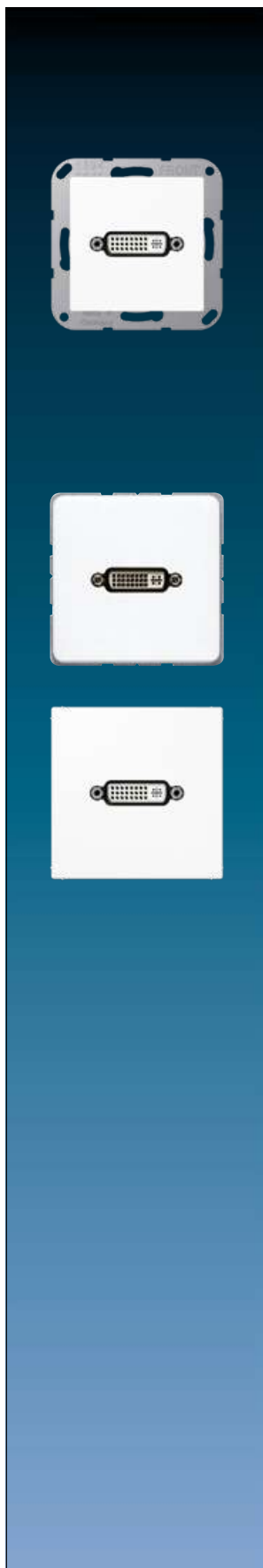
matt snow white	MA LS 1173 WWM
matt graphite black	MA LS 1173 SWM

#### metal versions

aluminium	MA AL 1173
stainless steel	MA ES 1173
anthracite (aluminium lacquered)	MA AL 1173 AN



# Multimedia terminals



Ref.-no.

## DVI

with supporting frame, screw fixing only

Consider bending radius and various plug types. Ensure sufficient installation space.

### for AS and A ranges

#### Thermoplastic (breakproof) high-gloss

ivory	MA A 1193
white	MA A 1193 WW
black	MA A 1193 SW

#### Thermoplastic (breakproof) lacquered

aluminium	MA A 1193 AL
<b>matt lacquered</b>	
matt snow white	MA A 1193 WWM
matt graphite black	MA A 1193 SWM
matt anthracite	MA A 1193 ANM

### for CD range

#### Thermoplastic (breakproof) high-gloss

white	MA CD 1193 WW
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### for LS range

#### Thermoplastic (breakproof) high-gloss

ivory	MA LS 1193
white	MA LS 1193 WW
light grey	MA LS 1193 LG
black	MA LS 1193 SW

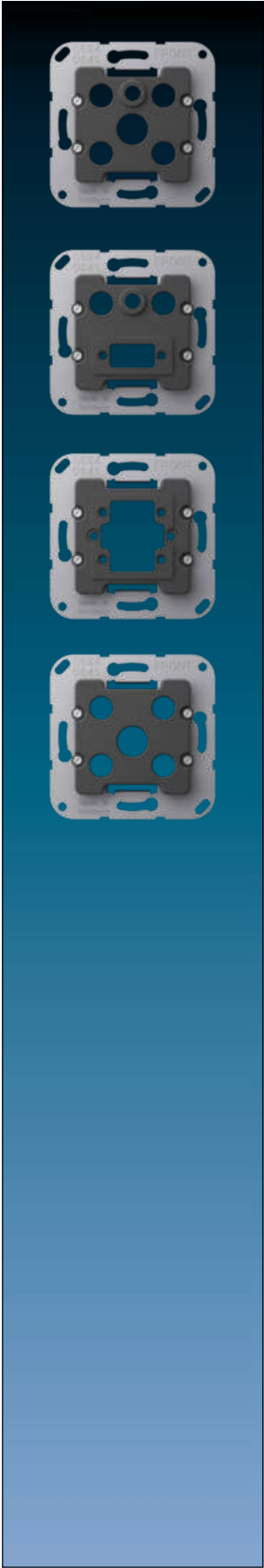
#### matt lacquered

matt snow white	MA LS 1193 WWM
matt graphite black	MA LS 1193 SWM

#### metal versions

aluminium	MA AL 1193
stainless steel	MA ES 1193
anthracite (aluminium lacquered)	MA AL 1193 AN

	Ref.-no.
<b>Adapter 1</b> (Spare part) for multimedia terminals ref.-no. MA .. 1011 ..	<b>MA 1000 AD 1</b>
<b>Adapter 2</b> (Spare part) for multimedia terminals ref.-no. MA .. 1072 .., MA .. 1082 .., MA .. 1092 ..	<b>MA 1000 AD 2</b>
<b>Adapter 3</b> (Spare part) for multimedia terminals ref.-no. MA .. 1102 .., MA .. 1112 .., MA .. 1122 .., MA .. 1133 .., MA .. 1143 .., MA .. 1153 .., MA .. 1163 .., MA .. 1173 .., MA .. 1183 .., MA .. 1193 ..	<b>MA 1000 AD 3</b>
<b>Adapter 4</b> (Spare part) for multimedia terminals ref.-no. MA .. 1021 .., MA .. 1031 .., MA .. 1051 ..	<b>MA 1000 AD 4</b>



#### SCHUKO® SOCKET



with USB-A in LS 990 in white

#### FRENCH / BELGIAN SYSTEM SOCKET



with USB-A+C in LS 990 in white

#### USB CHARGER



with USB-A+C in LS 990 in white

#### HIGHEST SAFETY STANDARDS



JUNG SCHUKO® sockets with USB port are tested and certified by VDE.

JUNG SCHUKO® sockets with USB ports quickly recharge smartphones or tablets, leaving the socket free. The versions with JUNG Quick Charge® have a USB-A or USB-C port and impress with a charging capacity of up to 18 watts. The sockets with two USB ports (type A and type C) provide

particular flexibility. Another option for quickly charging mobile devices are the USB chargers with USB type A and C ports and an electrical output of 15 watts. Due to their particularly flat and harmonious design they fit very well in multiple frames next to conventional sockets.

# Numerous connection options





**SCHUKO® SOCKET WITH USB-C**

High charging capacity: JUNG Quick Charge® is the fast charging function in a single USB-A or USB-C port. Depending on the connected mobile device, JUNG Quick Charge® increases the voltage level to up to 9 volts.

# Sockets with USB

## AS and A ranges

	Ref.-no.	
	<b>SCHUKO® socket with USB charger</b> <b>with enhanced contact protection (shutter)</b> with 1 USB port type A with quick charge function Screwless terminals for wires up to 2.5 mm² Installation in flush box according to EN 60670-1 installation depth: 48 mm	
		
	<b>Thermoplastic (breakproof) high-gloss</b>	
	ivory	<b>A 1520-18 A</b>
	white	<b>A 1520-18 A WW</b>
	black	<b>A 1520-18 A SW</b>
	<b>Thermoplastic (breakproof) lacquered</b>	
	aluminium	<b>A 1520-18 A AL</b>
	champagne	<b>A 1520-18 A CH</b>
	mocha	<b>A 1520-18 A MO</b>
	<b>matt lacquered</b>	
	matt snow white	<b>A 1520-18 A WWM</b>
	matt graphite black	<b>A 1520-18 A SWM</b>
	matt anthracite	<b>A 1520-18 A ANM</b>
	<b>Technical data</b>	
	Rated voltage:	AC 220 ... 250 V ~
	Mains frequency:	50/60 Hz
	Rated current, socket:	16 A
	Output voltage USB:	DC 9 V / DC 5 V
	Output current USB:	2 A / 3 A
	Stand-by power:	≤ 60 mW
	Ambient temperature:	+5 ... +35 °C
	Storage/transport temperature:	-20 ... +70 °C
	Installation depth:	48 mm
	Protection level:	IP 20
	Connection mode:	screwless connection
	single wire:	1.5 ... 2.5 mm²
	stranded without ferrule:	1.5 ... 2.5 mm²

# Sockets with USB AS and A ranges

Ref.-no.

## SCHUKO® socket with USB charger

### with enhanced contact protection (shutter)

with 1 USB port type C

with quick charge function

Screwless terminals for wires up to 2.5 mm<sup>2</sup>

Installation in flush box according to EN 60670-1

installation depth: 48 mm



### Thermoplastic (breakproof) high-gloss

ivory	A 1520-18 C
white	A 1520-18 C WW
black	A 1520-18 C SW

### Thermoplastic (breakproof) lacquered

aluminium	A 1520-18 C AL
champagne	A 1520-18 C CH
mocha	A 1520-18 C MO

### matt lacquered

matt snow white	A 1520-18 C WWM
matt graphite black	A 1520-18 C SWM
matt anthracite	A 1520-18 C ANM

## Technical data

Rated voltage:	AC 220 ... 250 V ~
Mains frequency:	50/60 Hz
Rated current, socket:	16 A
Output voltage USB:	DC 9 V / DC 5 V
Output current USB:	2 A / 3 A
Stand-by power:	≤ 25 mW
Ambient temperature:	+5 ... +35 °C
Storage/transport temperature:	-20 ... +70 °C
Installation depth:	48 mm
Protection level:	IP 20
Connection mode:	screwless connection
single wire:	1.5 ... 2.5 mm <sup>2</sup>
stranded without ferrule:	1.5 ... 2.5 mm <sup>2</sup>





# Sockets with USB

## AS and A ranges



Ref.-no.

### SCHUKO® socket with USB charger with enhanced contact protection (shutter)

with 1 USB port type A and 1 USB port type C  
Screwless terminals for wires up to 2.5 mm<sup>2</sup>  
Installation in flush box according to EN 60670-1  
installation depth: 48 mm

#### Thermoplastic (breakproof) high-gloss

ivory	A 1520-15 CA
white	A 1520-15 CA WW
black	A 1520-15 CA SW

#### Thermoplastic (breakproof) lacquered

aluminium	A 1520-15 CA AL
champagne	A 1520-15 CA CH
mocha	A 1520-15 CA MO

#### matt lacquered

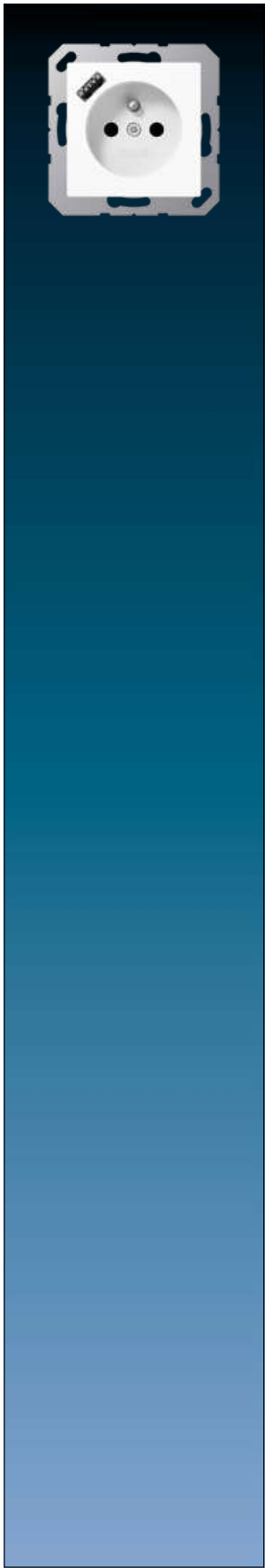
matt snow white	A 1520-15 CA WWM
matt graphite black	A 1520-15 CA SWM
matt anthracite	A 1520-15 CA ANM

#### Technical data

Rated voltage:	AC 220 ... 250 V ~
Mains frequency:	50/60 Hz
Rated current, socket:	16 A
Output voltage USB:	DC 5 V
Output current USB (total):	3 A
Stand-by power:	≤ 25 mW
Ambient temperature:	+5 ... +35 °C
Storage/transport temperature:	-20 ... +70 °C
Installation depth:	48 mm
Protection level:	IP 20
Connection mode:	screwless connection
single wire:	1.5 ... 2.5 mm <sup>2</sup>
stranded without ferrule:	1.5 ... 2.5 mm <sup>2</sup>

# Sockets with USB AS and A ranges

Ref.-no.	
<b>Socket, French/Belgian system with USB charger</b>	
2-pole + male earth pin, 16 A / 250 V ~	
with enhanced contact protection (shutter)	
with 1 USB port type A	
with quick charge function	
Screwless terminals for wires up to 2.5 mm <sup>2</sup>	
Installation in flush box according to EN 60670-1	
installation depth: 48 mm	
<b>Thermoplastic (breakproof) high-gloss</b>	
white	A 1520 F-18 A WW
ivory	A 1520 F-18 A
black	A 1520 F-18 A SW
<b>Thermoplastic (breakproof) lacquered</b>	
aluminium	A 1520 F-18 A AL
champagne	A 1520 F-18 A CH
mocha	A 1520 F-18 A MO
<b>matt lacquered</b>	
matt graphite black	A 1520F-18 A SWM
matt snow white	A 1520F-18 A WWM
matt anthracite	A 1520F-18 A ANM
<b>Technical data</b>	
Rated voltage:	AC 220 ... 250 V ~
Mains frequency:	50/60 Hz
Rated current, socket:	16 A
Output voltage USB:	DC 9 V / DC 5 V
Output current USB:	2 A / 3 A
Stand-by power:	≤ 60 mW
Ambient temperature:	+5 ... +35 °C
Storage/transport temperature:	-20 ... +70 °C
Installation depth:	48 mm
Protection level:	IP 20
Connection mode:	screwless connection
single wire:	1.5 ... 2.5 mm <sup>2</sup>
stranded without ferrule:	1.5 ... 2.5 mm <sup>2</sup>



# Sockets with USB

## AS and A ranges



Ref.-no.

### Socket, French/Belgian system with USB charger

2-pole + male earth pin, 16 A / 250 V ~  
with enhanced contact protection (shutter)



with 1 USB port type C  
with quick charge function

Screwless terminals for wires up to 2.5 mm<sup>2</sup>

Installation in flush box according to EN 60670-1

installation depth: 48 mm

### Thermoplastic (breakproof) high-gloss

ivory	<b>A 1520 F-18 C</b>
white	<b>A 1520 F-18 C WW</b>
black	<b>A 1520 F-18 C SW</b>

### Duroplastic lacquered

aluminium	<b>A 1520 F-18 C AL</b>
champagne	<b>A 1520 F-18 C CH</b>
mocha	<b>A 1520 F-18 C MO</b>

### matt lacquered

matt snow white	<b>A 1520F-18 C WWM</b>
matt graphite black	<b>A 1520F-18 C SWM</b>
matt anthracite	<b>A 1520F-18 C ANM</b>

### Technical data

Rated voltage:	AC 220 ... 250 V ~
Mains frequency:	50/60 Hz
Rated current, socket:	16 A
Output voltage USB:	DC 9 V / DC 5 V
Output current USB:	2 A / 3 A
Stand-by power:	≤ 25 mW
Ambient temperature:	+5 ... +35 °C
Storage/transport temperature:	-20 ... +70 °C
Installation depth:	48 mm
Protection level:	IP 20
Connection mode:	screwless connection
single wire:	1.5 ... 2.5 mm <sup>2</sup>
stranded without ferrule:	1.5 ... 2.5 mm <sup>2</sup>

# Sockets with USB AS and A ranges

Ref.-no.

## Socket, French/Belgian system with USB charger

2-pole + male earth pin, 16 A / 250 V ~  
with enhanced contact protection (shutter)  
with 1 USB port type A and 1 USB port type C  
Screwless terminals for wires up to 2.5 mm<sup>2</sup>  
Installation in flush box according to EN 60670-1  
installation depth: 48 mm

### Thermoplastic (breakproof) high-gloss

ivory	A 1520 F-15 CA
white	A 1520 F-15 CA WW
black	A 1520 F-15 CA SW

### Thermoplastic (breakproof) lacquered

aluminium	A 1520 F-15 CA AL
champagne	A 1520 F-15 CA CH
mocha	A 1520 F-15 CA MO

### matt lacquered

matt snow white	A 1520F-15 CA WWM
matt graphite black	A 1520F-15 CA SWM
matt anthracite	A 1520F-15 CA ANM

## Technical data

Rated voltage:	AC 220 ... 250 V ~
Mains frequency:	50/60 Hz
Rated current, socket:	16 A
Output voltage USB:	DC 5 V
Output current USB (total):	3 A
Stand-by power:	≤ 25 mW
Ambient temperature:	+5 ... +35 °C
Storage/transport temperature:	-20 ... +70 °C
Installation depth:	48 mm
Protection level:	IP 20
Connection mode:	screwless connection
single wire:	1.5 ... 2.5 mm <sup>2</sup>
stranded without ferrule:	1.5 ... 2.5 mm <sup>2</sup>



# Sockets with USB

## LS range



### SCHUKO® socket with USB charger with enhanced contact protection (shutter)

with 1 USB port type A

with quick charge function

Screwless terminals for wires up to 2.5 mm<sup>2</sup>

Installation in flush box according to EN 60670-1

installation depth: 48 mm



### Thermoplastic (breakproof) high-gloss

ivory	<b>LS 1520-18 A</b>
-------	---------------------

white	<b>LS 1520-18 A WW</b>
-------	------------------------

light grey	<b>LS 1520-18 A LG</b>
------------	------------------------

black	<b>LS 1520-18 A SW</b>
-------	------------------------

### matt lacquered

matt snow white	<b>LS 1520-18 A WWM</b>
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matt graphite black	<b>LS 1520-18 A SWM</b>
---------------------	-------------------------

### metal colours (thermoplastic lacquered)

aluminium (lacquered)	<b>AL 1520-18 A-L</b>
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stainless steel (lacquered)	<b>ES 1520-18 A-L</b>
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anthracite (lacquered)	<b>AL 1520-18 A AN-L</b>
------------------------	--------------------------

dark (lacquered)	<b>AL 1520-18 A D-L</b>
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classic brass (lacquered)	<b>ME 1520-18 A C-L</b>
---------------------------	-------------------------

antique brass (lacquered)	<b>ME 1520-18 A AT-L</b>
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### Technical data

Rated voltage:	AC 220 ... 250 V ~
----------------	--------------------

Mains frequency:	50/60 Hz
------------------	----------

Rated current, socket:	16 A
------------------------	------

Output voltage USB:	DC 9 V / DC 5 V
---------------------	-----------------

Output current USB:	2 A / 3 A
---------------------	-----------

Stand-by power:	≤ 60 mW
-----------------	---------

Ambient temperature:	+5 ... +35 °C
----------------------	---------------

Storage/transport temperature:	-20 ... +70 °C
--------------------------------	----------------

Installation depth:	48 mm
---------------------	-------

Protection level:	IP 20
-------------------	-------

Connection mode:	screwless connection
------------------	----------------------

single wire:	1.5 ... 2.5 mm <sup>2</sup>
--------------	-----------------------------

stranded without ferrule:	1.5 ... 2.5 mm <sup>2</sup>
---------------------------	-----------------------------

# Sockets with USB LS range

Ref.-no.

## SCHUKO® socket with USB charger

### with enhanced contact protection (shutter)

with 1 USB port type C

with quick charge function

Screwless terminals for wires up to 2.5 mm<sup>2</sup>

Installation in flush box according to EN 60670-1

installation depth: 48 mm



### Thermoplastic (breakproof) high-gloss

ivory	LS 1520-18 C
white	LS 1520-18 C WW
light grey	LS 1520-18 C LG
black	LS 1520-18 C SW

### matt lacquered

matt snow white	LS 1520-18 C WWM
matt graphite black	LS 1520-18 C SWM

### metal colours (thermoplastic lacquered)

aluminium (lacquered)	AL 1520-18 C-L
stainless steel (lacquered)	ES 1520-18 C-L
anthracite (lacquered)	AL 1520-18 C AN-L
dark (lacquered)	AL 1520-18 C D-L
classic brass (lacquered)	ME 1520-18 C C-L
antique brass (lacquered)	ME 1520-18 C AT-L

## Technical data

Rated voltage:	AC 220 ... 250 V ~
Mains frequency:	50/60 Hz
Rated current, socket:	16 A
Output voltage USB:	DC 9 V / DC 5 V
Output current USB:	2 A / 3 A
Stand-by power:	≤ 25 mW
Ambient temperature:	+5 ... +35 °C
Storage/transport temperature:	-20 ... +70 °C
Installation depth:	48 mm
Protection level:	IP 20
Connection mode:	screwless connection
single wire:	1.5 ... 2.5 mm <sup>2</sup>
stranded without ferrule:	1.5 ... 2.5 mm <sup>2</sup>



# Sockets with USB

## LS range



Ref.-no.

### SCHUKO® socket with USB charger with enhanced contact protection (shutter)

with 1 USB port type A and 1 USB port type C  
Screwless terminals for wires up to 2.5 mm<sup>2</sup>  
Installation in flush box according to EN 60670-1  
installation depth: 48 mm

#### Thermoplastic (breakproof) high-gloss

ivory	LS 1520-15 CA
white	LS 1520-15 CA WW
light grey	LS 1520-15 CA LG
black	LS 1520-15 CA SW

#### matt lacquered

matt snow white	LS 1520-15 CA WWM
matt graphite black	LS 1520-15 CA SWM

#### metal colours (thermoplastic lacquered)

aluminium (lacquered)	AL 1520-15 CA-L
stainless steel (lacquered)	ES 1520-15 CA-L
anthracite (lacquered)	AL 1520-15 CA AN-L
dark (lacquered)	AL 1520-15 CA D-L
classic brass (lacquered)	ME 1520-15 CA C-L
antique brass (lacquered)	ME 1520-15 CA AT-L

#### Technical data

Rated voltage:	AC 220 ... 250 V ~
Mains frequency:	50/60 Hz
Rated current, socket:	16 A
Output voltage USB:	DC 5 V
Output current USB (total):	3 A
Stand-by power:	≤ 25 mW
Ambient temperature:	+5 ... +35 °C
Storage/transport temperature:	-20 ... +70 °C
Installation depth:	48 mm
Protection level:	IP 20
Connection mode:	screwless connection
single wire:	1.5 ... 2.5 mm <sup>2</sup>
stranded without ferrule:	1.5 ... 2.5 mm <sup>2</sup>



# Sockets with USB LS range

Ref.-no.

## Socket, French/Belgian system with USB charger

2-pole + male earth pin, 16 A / 250 V ~

with enhanced contact protection (shutter)

with 1 USB port type A

with quick charge function

Screwless terminals for wires up to 2.5 mm<sup>2</sup>

Installation in flush box according to EN 60670-1

installation depth: 48 mm



## Thermoplastic (breakproof) high-gloss

ivory	LS 1520 F-18 A
white	LS 1520 F-18 A WW
light grey	LS 1520 F-18 A LG
black	LS 1520 F-18 A SW

## matt lacquered

matt snow white	LS 1520 F-18 A WWM
matt graphite black	LS 1520 F-18 A SWM

## metal colours (thermoplastic lacquered)

aluminium (lacquered)	AL 1520 F-18 A-L
stainless steel (lacquered)	ES 1520 F-18 A-L
anthracite (lacquered)	AL 1520 F-18 A AN-L
dark (lacquered)	AL 1520 F-18 A D-L
classic brass (lacquered)	ME 1520 F-18 A C-L
antique brass (lacquered)	ME 1520 F-18 A AT-L

## Technical data

Rated voltage:	AC 220 ... 250 V ~
Mains frequency:	50/60 Hz
Rated current, socket:	16 A
Output voltage USB:	DC 9 V / DC 5 V
Output current USB:	2 A / 3 A
Stand-by power:	≤ 60 mW
Ambient temperature:	+5 ... +35 °C
Storage/transport temperature:	-20 ... +70 °C
Installation depth:	48 mm
Protection level:	IP 20
Connection mode:	screwless connection
single wire:	1.5 ... 2.5 mm <sup>2</sup>
stranded without ferrule:	1.5 ... 2.5 mm <sup>2</sup>



# Sockets with USB

## LS range



Ref.-no.

### Socket, French/Belgian system with USB charger

with enhanced contact protection (shutter)

with 1 USB port type C

with quick charge function

Screwless terminals for wires up to 2.5 mm<sup>2</sup>

Installation in flush box according to EN 60670-1

2-pole + male earth pin, 16 A / 250 V ~

installation depth: 48 mm



### Thermoplastic (breakproof) high-gloss

ivory	LS 1520 F-18 C
white	LS 1520 F-18 C WW
light grey	LS 1520 F-18 C LG
black	LS 1520 F-18 C SW

### matt lacquered

matt snow white	LS 1520 F-18 C WWM
matt graphite black	LS 1520 F-18 C SWM

### metal colours (thermoplastic lacquered)

aluminium (lacquered)	AL 1520 F-18 C-L
stainless steel (lacquered)	ES 1520 F-18 C-L
anthracite (lacquered)	AL 1520 F-18 C AN-L
dark (lacquered)	AL 1520 F-18 C D-L
classic brass (lacquered)	ME 1520 F-18 C C-L
antique brass (lacquered)	ME 1520 F-18 C AT-L

### Technical data

Rated voltage:	AC 220 ... 250 V ~
Mains frequency:	50/60 Hz
Rated current, socket:	16 A
Output voltage USB:	DC 9 V / DC 5 V
Output current USB:	2 A / 3 A
Stand-by power:	≤ 25 mW
Ambient temperature:	+5 ... +35 °C
Storage/transport temperature:	-20 ... +70 °C
Installation depth:	48 mm
Protection level:	IP 20
Connection mode:	screwless connection
single wire:	1.5 ... 2.5 mm <sup>2</sup>
stranded without ferrule:	1.5 ... 2.5 mm <sup>2</sup>

# Sockets with USB LS range

Ref.-no.

## Socket, French/Belgian system with USB charger

2-pole + male earth pin, 16 A / 250 V ~  
with enhanced contact protection (shutter)  
with 1 USB port type A and 1 USB port type C  
Screwless terminals for wires up to 2.5 mm<sup>2</sup>  
Installation in flush box according to EN 60670-1  
installation depth: 48 mm

### Thermoplastic (breakproof) high-gloss

ivory	LS 1520 F-15 CA
white	LS 1520 F-15 CA WW
light grey	LS 1520 F-15 CA LG
black	LS 1520 F-15 CA SW

### matt lacquered

matt snow white	LS 1520 F-15 CA WWM
matt graphite black	LS 1520 F-15 CA SWM

### metal colours (thermoplastic lacquered)

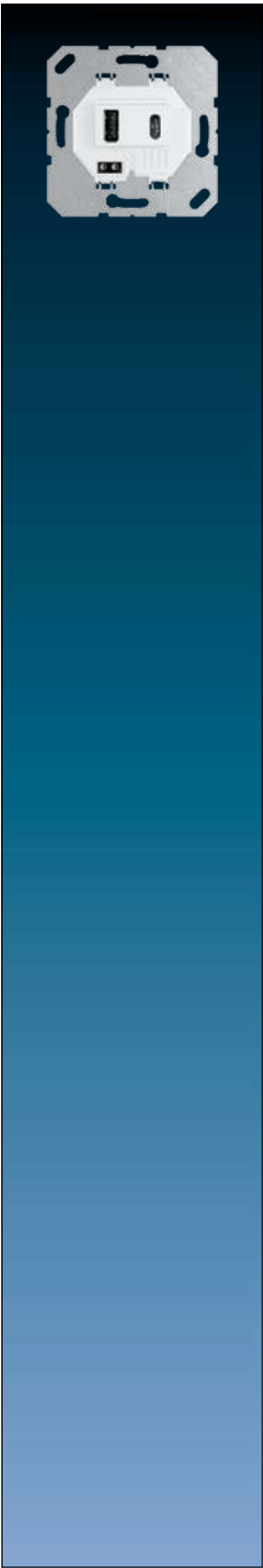
aluminium (lacquered)	AL 1520 F-15 CA-L
stainless steel (lacquered)	ES 1520 F-15 CA-L
anthracite (lacquered)	AL 1520 F-15 CA AN-L
dark (lacquered)	AL 1520 F-15 CA D-L
classic brass (lacquered)	ME 1520 F-15 CA C-L
antique brass (lacquered)	ME 1520 F-15 CA AT-L

### Technical data

Rated voltage:	AC 220 ... 250 V ~
Mains frequency:	50/60 Hz
Rated current, socket:	16 A
Output voltage USB:	DC 5 V
Output current USB (total):	3 A
Stand-by power:	≤ 25 mW
Ambient temperature:	+5 ... +35 °C
Storage/transport temperature:	-20 ... +70 °C
Installation depth:	48 mm
Protection level:	IP 20
Connection mode:	screwless connection
single wire:	1.5 ... 2.5 mm <sup>2</sup>
stranded without ferrule:	1.5 ... 2.5 mm <sup>2</sup>



# USB charger



Ref.-no.	
<b>USB charger</b>	
with 1 USB port type A and 1 USB port type C	
screw fixing only, without claws	
white	<b>USB 15 CA WW</b>
black	<b>USB 15 CA SW</b>
<b>Intended use</b>	
<ul style="list-style-type: none"><li>• Battery charging station for mobile devices with USB connection</li><li>• Installation in flush box according to EN 60670-1</li></ul>	
<b>Product characteristics</b>	
<ul style="list-style-type: none"><li>• Simultaneous charging of 2 devices possible</li><li>• Installation into multiple frame with other devices possible</li><li>• Charging current: max. 3000 mA</li></ul>	
<b>Technical data</b>	
Input voltage:	AC 100 ... 240 V ~ ± 10 %
Mains frequency:	50/60 Hz
Ambient temperature:	0 ... +35 °C
Storage/transport temperature:	-20 ... +70 °C
Stand-by power consumption	
at U <sub>IN</sub> = 230 V ~:	≤ 0.1 W
Connection mode:	screw terminals
Output voltage:	DC 5 V (± 5 %)
Output current	
AC 120 ... 240 V ~	max. 3000 mA
AC 90 ... 108 V ~	max. 2500 mA

Ref.-no.

## Centre plate

for USB charger ref.-no.: USB 15 CA WW, USB 15 CA SW

## for AS range

### Thermoplastic (breakproof) high-gloss




ivory	 <b>A 1569 USB</b>
white	 <b>A 1569 USB WW</b>

## for A range

### Thermoplastic (breakproof) high-gloss

white	 <b>A 1569 USB WW</b>
black	 <b>A 1569 USB SW</b>

### Thermoplastic (breakproof) lacquered

aluminium	  <b>A 1569 USB AL</b>
champagne	 <b>A 1569 USB CH</b>
mocha	<b>A 1569 USB MO</b>

### matt lacquered

matt snow white	<b>A 1569 USB WWM</b>
matt graphite black	<b>A 1569 USB SWM</b>
matt anthracite	<b>A 1569 USB ANM</b>



# USB charger



Ref.-no.

## Centre plate

for USB charger ref.-no.: USB 15 CA WW, USB 15 CA SW

### for CD range

#### Thermoplastic (breakproof) high-gloss

ivory	569 T
white	CD 569 T WW
brown	CD 569 T BR
grey	CD 569 T GR
light grey	CD 569 T LG
black	CD 569 T SW

#### metal versions (anodized aluminium)

gold-bronze	CD 569 T GB
platinum	CD 569 T PT

### for SL range

white	SL 569 T WW
gold-bronze	SL 569 T GB
black	SL 569 T SW

### for LS range

#### Thermoplastic (breakproof) high-gloss

ivory	LS 1969 USB
white	LS 1969 USB WW
light grey	LS 1969 USB LG
black	LS 1969 USB SW

#### matt lacquered

matt snow white	LS 1969 USB WWM
matt graphite black	LS 1969 USB SWM

#### metal versions

aluminium	AL 1969 USB
stainless steel	ES 1969 USB
anthracite (aluminium lacquered)	AL 1969 USB AN
dark (aluminium lacquered)	AL 1969 USB D
classic brass	ME 1969 USB C
antique brass	ME 1969 USB AT

Ref.-no.

## Hinged lid

### with symbol "charger"

for USB charger ref.-no.: USB 15 CA WW, USB 15 CA SW  
including centre plate

## for CD range

### Thermoplastic (breakproof) high-gloss

ivory	CD 590 KL USB
white	CD 590 KL USB WW
brown	CD 590 KL USB BR
grey	CD 590 KL USB GR
light grey	CD 590 KL USB LG
black	CD 590 KL USB SW

### metal versions (anodized aluminium)

gold-bronze	CD 590 KL USB GB
platinum	CD 590 KL USB PT

## for LS range

### with spring

### Thermoplastic (breakproof) high-gloss

ivory	LS 990 BFKL USB
white	LS 990 BFKL USB WW
light grey	LS 990 BFKL USB LG
black	LS 990 BFKL USB SW

### metal versions

aluminium	AL 2990 KL USB
stainless steel	ES 2990 KL USB
anthracite (aluminium lacquered)	AL 2990 KL USB AN
dark (aluminium lacquered)	AL 2990 KL USB D
classic brass	ME 2990 KL USB C
antique brass	ME 2990 KL USB AT





# Smart Radio DAB+ and DAB+ Bluetooth



**SMART RADIO DAB+**

Highest sound quality: digital radio in the switch design with real glass front and sensor buttons – also with Bluetooth streaming on request.



Smart Radio DAB+ in LS 990 black with stainless steel frame, mono version.



Smart Radio DAB+ Bluetooth with two loudspeakers in separate mounting. LS 990 design in white with chrome frame.

The Smart Radio DAB+ is impressive with its digital sound experience and best reception quality. Up to eight DAB+ favourites and eight USW favourites can be saved and retrieved via shortcut. The version with Bluetooth function also allows up to eight Bluetooth audio sources

to be stored and played back – this means radio and streaming functions in a single compact device. Display and button brightness can be adjusted in both versions and are completely darkened in night mode.

## Smart Radio DAB+

for installation in single or multiple frames and surface caps

### Intended use

- DAB reception in the frequency range 174 MHz to 240 MHz (VHF band III and channel 13)
- FM reception in the frequency range 87.5 MHz to 108 MHz (VHF band II)
- Installation in flush box according to EN 60670-1 (recommendation: deep box)

### Product characteristics

- Digital radio with display and sensor buttons
- Real glass front panel
- Stereo reception
- Connection terminals for two loudspeakers
- Stereo/mono switch-over
- Simple operation
- Integrated antenna for DAB+ and FM
- High reception quality
- Automatic station scan
- Storage of 8 favourites DAB+ and 8 favourites FM (will be retained after power failure)
- Switch-on with last station
- Switch-on with last volume
- Switch-on with last operation mode (DAB+ or FM)
- Display of station information, time and current settings
- Current time via RDS and DAB+
- Brightness level of display can be adjusted
- Night mode
- Alarm function
- Sleep mode
- Switching on/off via extension unit
- Line-out output (AUX) to connect external amplifiers
- Optional external cable antenna ref.-no.: RAD-ANT

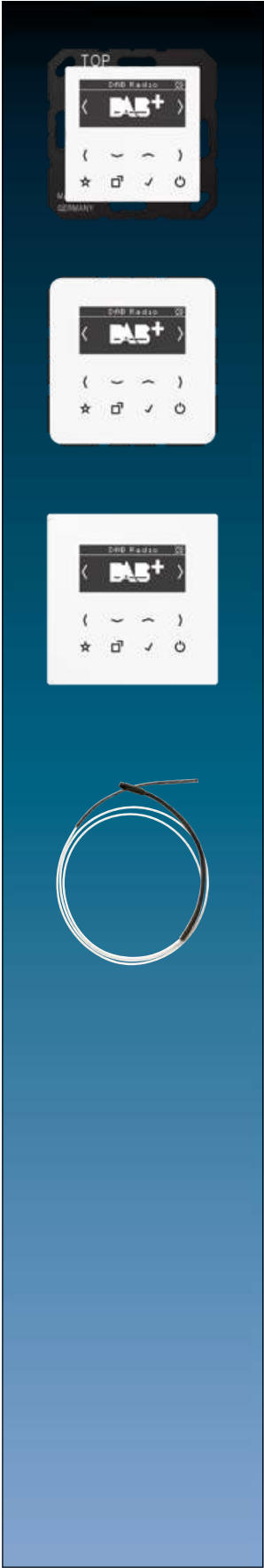
### Satellite function

The radio is equipped with a satellite input to connect an external switch.

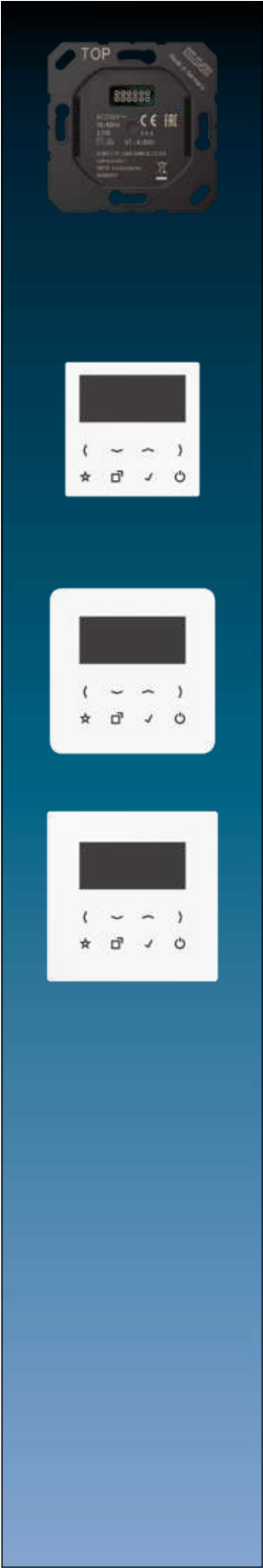
### Technical data

Rated voltage:	AC 230 V ~
Mains frequency:	50/60 Hz
Connection:	screw terminals
Terminals for:	1 x 2.5 mm <sup>2</sup> or 1 x 1.5 mm <sup>2</sup>
Power consumption stand-by:	< 1 W
Power consumption during operation:	< 4 W
Temperature range:	0 ... +50 °C
Atmospheric humidity:	15 ... 90 % (no condensation)
DAB frequency range:	174 ... 240 MHz
FM frequency range:	87.5 ... 108 MHz
Separate loudspeaker connection cable:	Twin loudspeaker cable H03VH-H, 2 x 0.75 mm Alternative: J-Y(St)Y 2 x 2 x 0.6 mm
Length of connected cable:	max. 5 m

	Ref.-no.
<b>Smart Radio DAB+</b>	
<b>for AS and A ranges</b>	
white	<b>DAB A WW</b>
black	<b>DAB A SW</b>
<b>for CD range</b>	
white	<b>DAB CD WW</b>
black	<b>DAB CD SW</b>
<b>for LS range</b>	
white	<b>DAB LS WW</b>
black	<b>DAB LS SW</b>
<b>External cable antenna</b>	
for connection to the Smart Radio DAB+ ref.-no. DAB .. and DAB .. BT ..	
	<b>RAD-ANT</b>



# Smart Radio DAB+

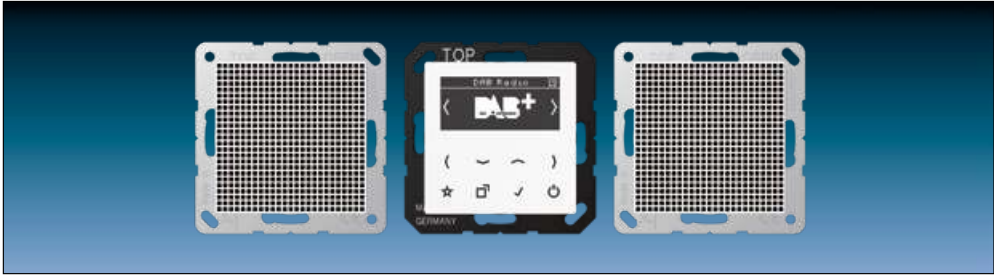

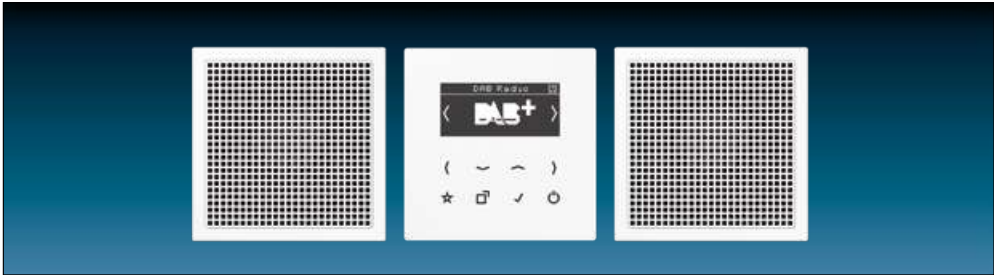


Ref.-no.	
<b>Power supply</b> for the Smart Radio DAB+ ref.-no. DAB .. and DAB .. BT .. (Spare part)	
NT-AUDIO	
<b>Display</b> for the Smart Radio DAB+ ref.-no. DAB .. (Spare part)	
<b>for AS and A ranges</b>	
white	DAB A-DISP WW
black	DAB A-DISP SW
<b>for CD range</b>	
white	DAB CD-DISP WW
black	DAB CD-DISP SW
<b>for LS range</b>	
white	DAB LS-DISP WW
black	DAB LS-DISP SW

	Ref.-no.
<b>Smart Radio DAB+, mono set</b> including power supply with one loudspeaker	
<b>for AS and A ranges</b> <b>with white display</b> loudspeaker white	<b>DAB A1 WW</b>
<b>for CD range</b> <b>with white display</b> loudspeaker white	<b>DAB CD1 WW</b>
<b>for LS range</b> <b>with white display</b> loudspeaker white	<b>DAB LS1 WW</b>
<b>with black display</b> loudspeaker black	<b>DAB LS1 SW</b>
loudspeaker aluminium	<b>DAB AL1</b>
loudspeaker stainless steel	<b>DAB ES1</b>



# Smart Radio DAB+

		Ref.-no.
	<b>Smart Radio DAB+, stereo set</b> including power supply with two loudspeakers	
	<b>for AS and A ranges</b> <b>with white display</b> loudspeaker white	<b>DAB A2 WW</b>
		
	<b>for CD range</b> <b>with white display</b> loudspeaker white	<b>DAB CD2 WW</b>
		
	<b>for LS range</b> <b>with white display</b> loudspeaker white	<b>DAB LS2 WW</b>
	<b>with black display</b> loudspeaker black	<b>DAB LS2 SW</b>
	loudspeaker aluminium	<b>DAB AL2</b>
	loudspeaker stainless steel	<b>DAB ES2</b>
		



# Smart Radio DAB+ Bluetooth

## Smart Radio DAB+ Bluetooth

for installation in single or multiple frames and surface caps

### Intended use

- DAB reception in the frequency range 174 MHz to 240 MHz (VHF band III and channel 13)
- FM reception in the frequency range 87.5 MHz to 108 MHz (VHF band II)
- Playback and control of music on mobile devices via Bluetooth
- Installation in flush box according to EN 60670-1 (recommendation: deep box)

### Product characteristics

- Digital radio with display and sensor buttons
- Real glass front panel
- Stereo reception
- Connection terminals for two loudspeakers
- Stereo/mono switch-over
- Simple operation
- Integrated antenna for DAB+ and FM
- High reception quality
- Automatic station scan
- Storage of 8 favourites DAB+ and 8 favourites FM (will be retained after power failure)
- Storage of 8 Bluetooth audio sources
- Bluetooth device name can be changed
- Switch-on with last station
- Switch-on with last volume
- Switch-on with last operation mode (DAB+, FM or Bluetooth)
- Display of station information, time and current settings
- Current time via RDS and DAB+
- Brightness level of display can be adjusted
- Night mode
- Alarm function
- Sleep mode
- Switching on/off via extension unit
- Line-out output (AUX) to connect external amplifiers
- Optional external cable antenna ref.-no.: RAD-ANT

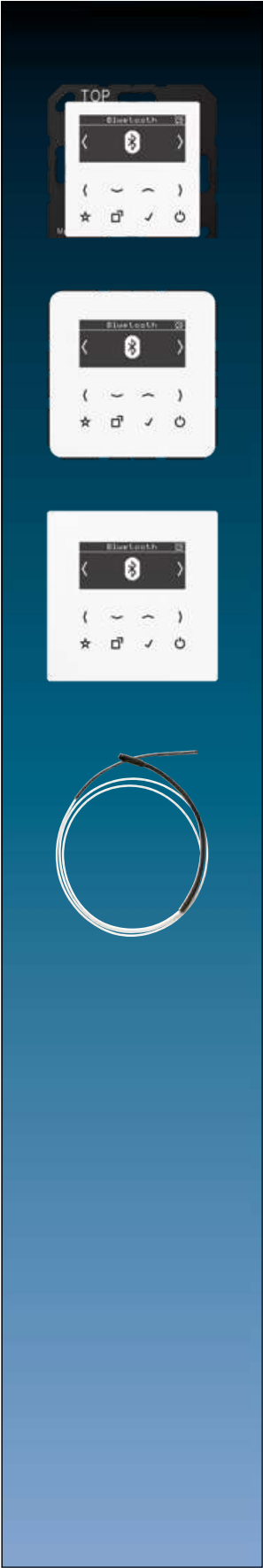
### Satellite function

The radio is equipped with a satellite input to connect an external switch.

### Technical data

Rated voltage:	AC 230 V ~
Mains frequency:	50/60 Hz
Connection:	screw terminals
Terminals for:	1 x 2.5 mm <sup>2</sup> or 1 x 1.5 mm <sup>2</sup>
Power consumption stand-by:	< 1 W
Power consumption during operation:	< 4 W
Temperature range:	0 ... +50 °C
Atmospheric humidity:	15 ... 90 % (no condensation)
DAB frequency range:	174 ... 240 MHz
FM frequency range:	87.5 ... 108 MHz
Bluetooth:	A2DP, AVRCP
Radio frequency:	2.402 ... 2.480 GHz
Transmitting power:	< 4 dBm
Separate loudspeaker connection cable:	Twin loudspeaker cable H03VH-H, 2 x 0.75 mm Alternative: J-Y(St)Y 2 x 2 x 0.6 mm
Length of connected cable:	max. 5 m

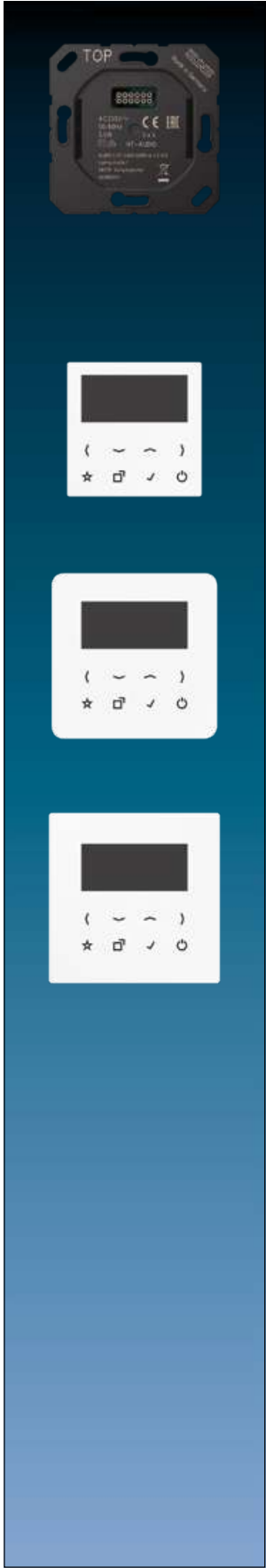
# Smart Radio DAB+ Bluetooth



Ref.-no.	
<b>Smart Radio DAB+ Bluetooth</b>	
<b>for AS and A ranges</b>	
white	<b>DAB A BT WW</b>
black	<b>DAB A BT SW</b>
<b>for CD range</b>	
white	<b>DAB CD BT WW</b>
black	<b>DAB CD BT SW</b>
<b>for LS range</b>	
white	<b>DAB LS BT WW</b>
black	<b>DAB LS BT SW</b>
<b>External cable antenna</b>	
for connection to the Smart Radio DAB+ ref.-no. DAB .. and DAB .. BT ..	
<b>RAD-ANT</b>	

# Smart Radio DAB+ Bluetooth

	Ref.-no.
<b>Power supply</b> for the Smart Radio DAB+ ref.-no. DAB .. and DAB .. BT .. (Spare part)	
	<b>NT-AUDIO</b>
<b>Display</b> for the Smart Radio DAB+ Bluetooth ref.-no. DAB .. BT .. (Spare part)	
<b>for AS and A ranges</b>	
white	<b>DAB A BT-DISP WW</b>
black	<b>DAB A BT-DISP SW</b>
<b>for CD range</b>	
white	<b>DAB CD BT-DISP WW</b>
black	<b>DAB CD BT-DISP SW</b>
<b>for LS range</b>	
white	<b>DAB LS BT-DISP WW</b>
black	<b>DAB LS BT-DISP SW</b>



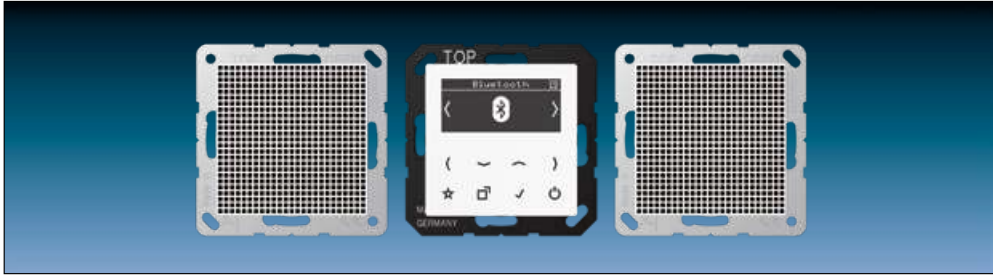
# Smart Radio DAB+ Bluetooth



	Ref.-no.
<b>Smart Radio DAB+ Bluetooth, mono set</b> including power supply with one loudspeaker	
<b>for AS and A ranges</b> <b>with white display</b> loudspeaker white	<b>DAB A1 BT WW</b>
<b>for CD range</b> <b>with white display</b> loudspeaker white	<b>DAB CD1 BT WW</b>
<b>for LS range</b> <b>with white display</b> loudspeaker white	<b>DAB LS1 BT WW</b>
<b>with black display</b> loudspeaker black	<b>DAB LS1 BT SW</b>
loudspeaker aluminium	<b>DAB AL1 BT</b>
loudspeaker stainless steel	<b>DAB ES1 BT</b>

# Smart Radio DAB+ Bluetooth

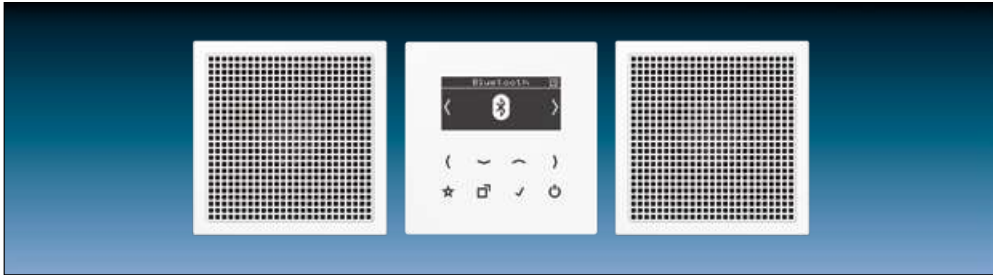
	Ref.-no.
<b>Smart Radio DAB+ Bluetooth, stereo set</b> including power supply with two loudspeakers  <b>for AS and A ranges</b> <b>with white display</b> loudspeaker white	
	<b>DAB A2 BT WW</b>



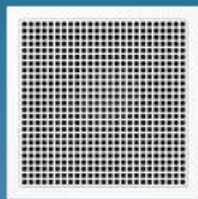
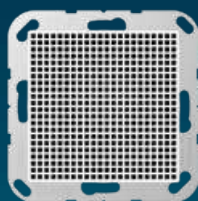
<b>for CD range</b> <b>with white display</b> loudspeaker white	
	<b>DAB CD2 BT WW</b>



<b>for LS range</b> <b>with white display</b> loudspeaker white	
	<b>DAB LS2 BT WW</b>
<b>with black display</b> loudspeaker black	
	<b>DAB LS2 BT SW</b>
loudspeaker aluminium	
	<b>DAB AL2 BT</b>
loudspeaker stainless steel	
	<b>DAB ES2 BT</b>



# Loudspeaker module



Ref.-no.

## Loudspeaker module

for connection to the Smart Radio DAB+ ref.-no. DAB .. and DAB .. BT ..  
high-quality tone and great loudspeaker dynamics  
optimised acoustics through the use of a bass-reflex enclosure

### Technical data

Rated nominal power:	approx. 2.5 W
Impedance:	4 $\Omega$
Frequency range:	120 ... 15 000 Hz (-10 dB)
Relative humidity:	max. 95 %
Storage/transport temperature:	-25 ... +60 °C
Connection:	screw terminals
Terminals for:	1.5 mm <sup>2</sup>

### for AS and A ranges

#### Thermoplastic (breakproof) high-gloss

ivory	LSM A 4
white	LSM A 4 WW
black	LSM A 4 SW

#### Thermoplastic (breakproof) lacquered

aluminium	LSM A 4 AL
champagne	LSM A 4 CH
mocha	LSM A 4 MO

#### matt lacquered

matt snow white	LSM A 4 WWM
matt graphite black	LSM A 4 SWM
matt anthracite	LSM A 4 ANM

### for CD range

#### Thermoplastic (breakproof) high-gloss

ivory	LSM CD 4
white	LSM CD 4 WW
grey	LSM CD 4 GR
light grey	LSM CD 4 LG
black	LSM CD 4 SW

### for LS range

#### Thermoplastic (breakproof) high-gloss

ivory	LSM LS 4
white	LSM LS 4 WW
light grey	LSM LS 4 LG
black	LSM LS 4 SW

#### matt lacquered

matt snow white	LSM LS 4 WWM
matt graphite black	LSM LS 4 SWM

#### metal versions

aluminium	LSM AL 4
stainless steel	LSM ES 4
anthracite (aluminium lacquered)	LSM AL 4 AN
dark (aluminium lacquered)	LSM AL 4 D

# Smoke alarm system



Radio smoke alarm device FRWM 200 in white



Radio smoke alarm device FRWM 200 in black



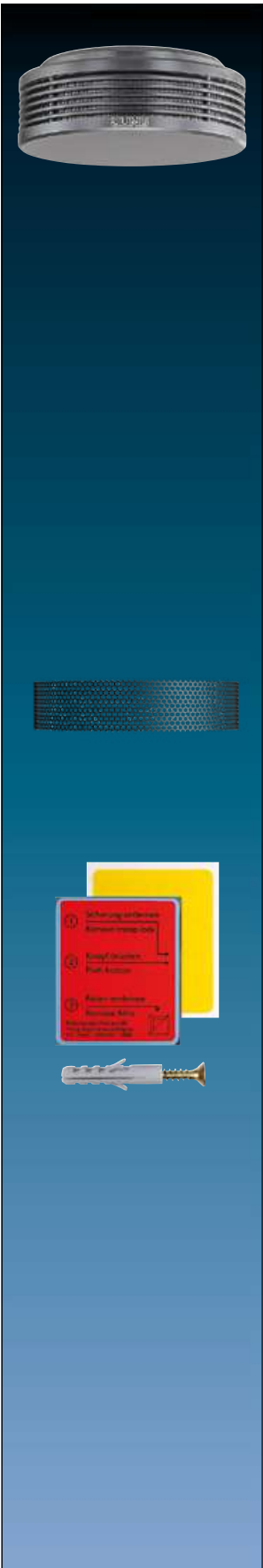
Smoke alarm device RWM 200 in black



Alarm relay with floating input

Whether classic stand-alone solution or networked by radio: JUNG smoke alarm devices have been reliably raising the alarm for smoke and heat development for many years. The integrated lithium battery has a service life of more than 10 years. All JUNG smoke alarm devices can be installed quickly and without dirt thanks to the certified magnet / adhesive system.

# Smoke alarm device



Ref.-no.

**Smoke alarm device**

black

**RWM 200 SW**

**Intended use**

- Detection of smoke and heat in private households and inhabited properties
- Smoke alarm device for indoor use
- Installation in inhabitable recreation vehicles (e.g. caravans) possible

**Product characteristics**

- Replaceable insect screen
- Lithium battery with protective passivation
- 12 years battery life
- Bi-sensor processor technology (smoke + heat)
- Real alarm with maximum precision
- Qualified for kitchens
- 88 dB alarm signal at 3 m distance
- Dimensions (Ø x H): 10 x 3.8 cm
- Detection range: up to 60 m² (depending on installation location)
- Optimum storing temperature: +10 ... +35 °C, <70 % relative humidity
- Large user-friendly test/stop button (78 cm²)
- Magnetic mount for adhesive fixing or screw fixing
- Complies with the increased requirements vfdb Directive 14-01
- CE according to EN 14604:2005/AC:2008
- TÜV Nord Cert (Kriwan no. 1772-CPR-150500)

**Insect screen**

Set of 48 insect screens and 96 seals

(Spare part)

for smoke alarm devices ref.-no.: .. RWM 200 ..

**RWM 200-G**

**Magnet holder set**

(Spare part)

for smoke alarm devices ref.-no.: .. RWM ..

**RWM-MTS**



# Radio smoke alarm device

	Ref.-no.
<b>Radio smoke alarm device</b>	
white	<b>FRWM 200 WW</b>
black	<b>FRWM 200 SW</b>
<b>Intended use</b> <ul style="list-style-type: none"> <li>• Detection of smoke and heat in private households and inhabited properties</li> <li>• Smoke alarm device for indoor use</li> <li>• Installation in inhabitable recreation vehicles (e.g. caravans) possible</li> </ul>	
<b>Product characteristics</b> <ul style="list-style-type: none"> <li>• Radio connectivity</li> <li>• Frequency: 868.3 MHz</li> <li>• Data encryption: AES-256</li> <li>• Max. number of devices per group: 15</li> <li>• Community group (stair case): assignment of up to 14 groups (apartments)</li> <li>• Radio range: 400 m, <math>\pm 10</math> % (free field)</li> <li>• Repeater function</li> <li>• Replaceable insect screen</li> <li>• Lithium battery with protective passivation</li> <li>• 10 years battery life</li> <li>• Bi-sensor processor technology (smoke + heat)</li> <li>• Real alarm with maximum precision</li> <li>• Qualified for kitchens</li> <li>• 88 dB alarm signal at 3 m distance</li> <li>• Dimensions (<math>\varnothing</math> x H): 10 x 3.8 cm</li> <li>• Detection range: up to 60 m<sup>2</sup> (depending on installation location)</li> <li>• Optimum storing temperature: +10 ... +35 °C, &lt;70 % relative humidity</li> <li>• Large user-friendly test/stop button (78 cm<sup>2</sup>)</li> <li>• Magnetic mount for adhesive fixing or screw fixing</li> <li>• Complies with the increased requirements vfdb Directive 14-01</li> <li>• CE according to EN 14604:2005/AC:2008</li> </ul>	
<b>Alarm relay with floating input</b> for interconnected radio smoke alarm devices ref.-no.: FRWM ..	
	<b>FRWM-AR</b>
<b>Intended use</b> <ul style="list-style-type: none"> <li>• Wireless integration into group of radio smoke alarm devices</li> <li>• Relay output to trigger acoustical or optical signals, ventilation systems, blind systems etc. in case of an alarm in the radio group</li> <li>• Floating input for manual triggering of an alarm in the radio group via switch</li> </ul>	
<b>Product characteristics</b> <ul style="list-style-type: none"> <li>• Battery-powered device</li> <li>• Battery life up to 10 years (lithium battery)</li> <li>• Frequency: 868.3 MHz</li> <li>• Data encryption: AES-256</li> <li>• Buzzer alarm</li> <li>• Status LED</li> <li>• Radio range: approx. 400 m (free field)</li> <li>• Floating alarm input, max. 30 V, switching threshold approx. 6 V</li> <li>• Alarm output: relay (2-way), 3 ... 30 V, 1 ... 100 mA</li> <li>• Dimensions approx. 54 x 54 x 22 mm</li> </ul>	



# Observers



**OBSERVERS**

The observers are impressive in their performance and functionality. In outdoor applications, they provide the optimum solution for almost all applications.

**Not suitable for alarm systems!**

**Mounting height: 2.40 m**

	Ref.-no.
<b>Observer 220° with digital signal evaluation</b>	
white	<b>W 220 WW</b>

## Intended use

- Automatic switching of lighting depending on the thermal movement and ambient brightness
- Surface-mounting in indoor and outdoor areas

## Product characteristics

- Digital signal evaluation
- Protected against spray water
- Run-on time adjustable
- Sensitivity selectable
- Brightness value can be set
- Test operation for checking the detection area
- Switch light ON or OFF for 4 hours
- Short-time operation to control signal encoders
- Sensor head adjustable in 2 axes
- Self-adhesive cover plate elements for limiting the detection area
- High protection against ambient light
- 580 switching segments in 4 layers
- Separate protection against crawling under
- Parallel connection of multiple motion detectors possible
- Manual switch-on possible with installation button, NC contact

**Important:** Energy saving lamps cause high inrush currents which may cause the switch contact to get stuck. Then a reduction of capacity is required! Please check suitability of lamps before installation.

**Delay time limitation:** Once the detector has switched on, the brightness is no longer evaluated.

To prevent the light from remaining permanently on (e.g. beyond dawn) caused by permanent movements, the device is provided with an intelligent limiting function.

The delay time (time the light remains on after detection of the last movement) is selected depending on the real switch-on time:

## Switch-on time (approx.) / Delay time (approx.)

up to 60 min / depending on setting

up to 70 min / 4 min

up to 75 min / 2 min

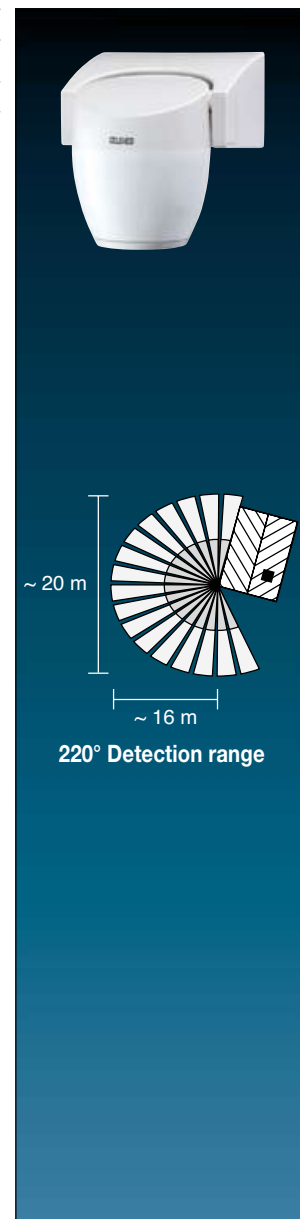
up to 80 min / 1 min

up to 85 min / 30 sec

up to 90 min / 15 sec

90 min / switching-off

The detector switches off after 90 minutes, at the latest, even if there are still movements in the detection field. Restarting will only be effected if the ambient brightness drops below the preset brightness level and if a movement is detected in the detection field.



## Technical data

Nominal range:	approx. 16 m	Sensitivity:	approx. 20 ... 100 %, continuously adjustable
Mounting height:	approx. 2.4 m	Protection level:	IP 55
Detection range:	approx. 220°, with separate undercrawling protection	Terminals:	L, N, $\mu$ (relay) wiring up to 2.5 mm <sup>2</sup>
Rated voltage:	AC 230 V ~, 50/60 Hz	Switching capacity	
Switch contact:	relay, mains potential	Incandescent lamps:	2300 W
Switch-on current:	max. 20 A	HV halogen lamps:	2300 W
Circuit breaker:	16 A	LV halogen lamps with electronic transformers:	1200 W
Power consumption:	approx. 1.1 W	inductive transformers:	1200 W
Temperature range:	-20 ... +55 °C	Operate inductive transformers with at least 85 % nominal load.	
Shut-off delay:	2 s ... 30 min, continuously adjustable short-time pulse 0.5 s	Fluorescent lamps	
Brightness sensor:	Daytime and night-time operation approx. 1 ... 1,000 lx, continuously adjustable	non-compensated:	1200 W
		parallel compensated:	920 W
		lead-lag circuit:	2300 W



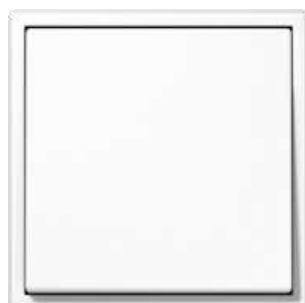
### EMERGENCY SIGNAL

The emergency signal can e.g. be installed outside next to the WC door or landing door. A triggered emergency call is signalled visually by a red LED and acoustically by a buzzer, 90 dB(A). Both signals can, if required, be changed from continuous light/continuous tone to flashing light/pulsing tone.



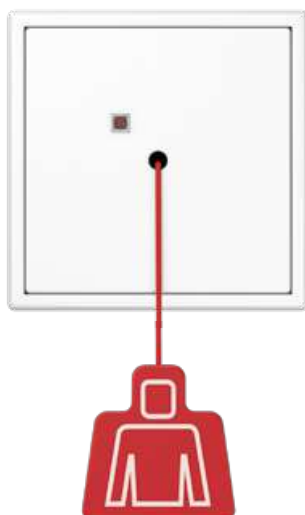
### RESET BUTTON

The reset button is installed next to the door in the same room as the pull cord push-button. The assisting personnel can reset the triggered call.



### POWER SUPPLY

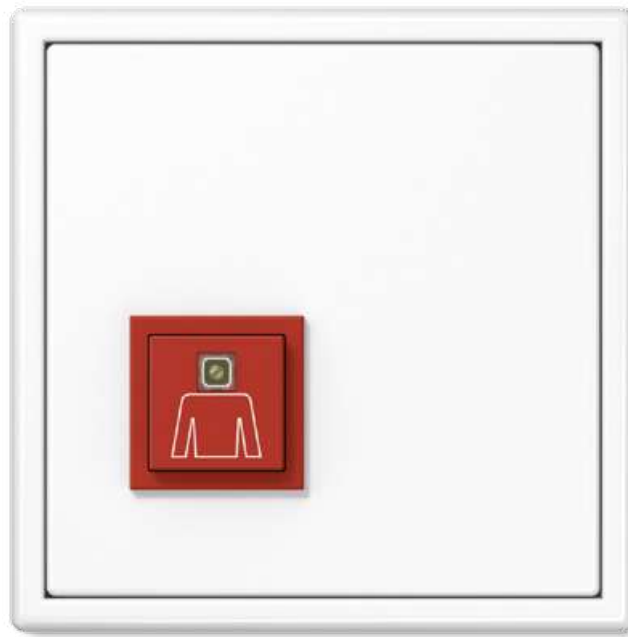
Power supply for the emergency call system with DC 24 V.



### EMERGENCY SIGNAL

The emergency signal can e.g. be installed outside next to the WC door or landing door. A triggered emergency call is signalled visually by a red LED and acoustically by a buzzer, 90 dB(A). Both signals can, if required, be changed from continuous light/continuous tone to flashing light/pulsing tone.

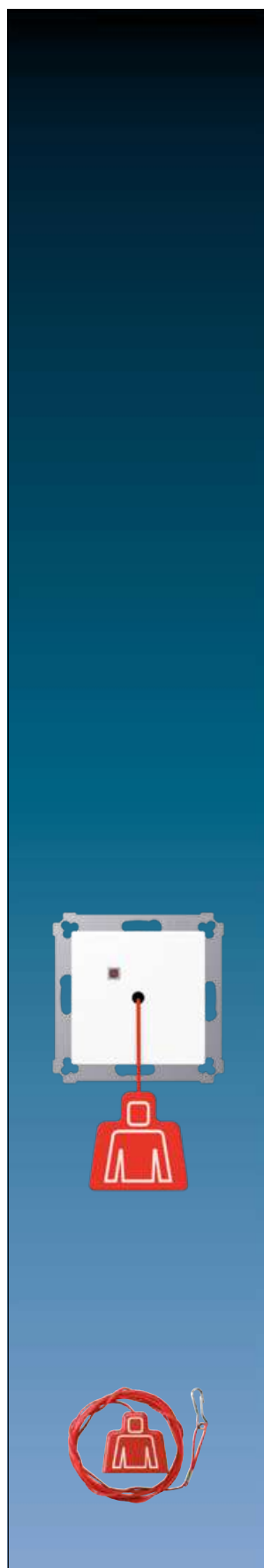
# Hospital installations



**CALL BUTTON**

The JUNG emergency system is a well-conceived, complete set for emergency calls in WCs or en-suite bathrooms in old people's homes and nursing homes or WC facilities in public buildings. It ensures that a person in need of help can sound the alarm in an emergency and meets all the safety-related requirements in accordance with DIN VDE 0834. The emergency system is available for the AS / A, CD and LS design ranges to complete a unique design in a building.

# Emergency system



Ref.-no.

## Emergency system set

consists of pull cord push-button, emergency signal, reset button and power supply

screw fixing only, without claws

with 1-gang frames

### for AS range

ivory

NRS AS 0834

white

NRS AS 0834 WW

### for CD range

white

NRS CD 0834 WW

### for LS range

ivory

NRS LS 0834

white

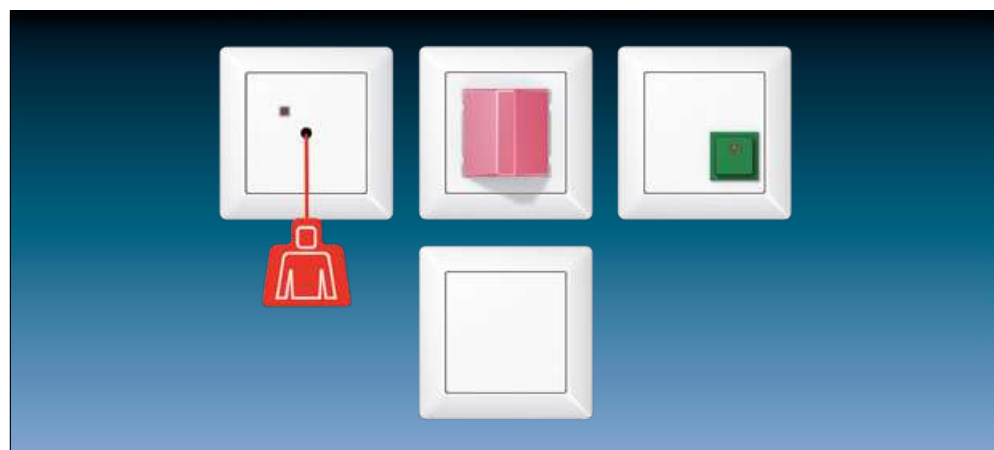
NRS LS 0834 WW

light grey

NRS LS 0834 LG

black

NRS LS 0834 SW



## Single components (spare parts):

### Pull cord push-button

screw fixing only, without claws

without frame

### for AS and A ranges

Thermoplastic (breakproof) high-gloss

ivory

NRS AS 0834 ZT

white

NRS AS 0834 ZT WW

### for CD range

Thermoplastic (breakproof) high-gloss

white

NRS CD 0834 ZT WW

### for LS range

Thermoplastic (breakproof) high-gloss

ivory

NRS LS 0834 ZT

white

NRS LS 0834 ZT WW

light grey

NRS LS 0834 ZT LG

black

NRS LS 0834 ZT SW

pull cord ref.-no.: ZS-34 KO5S included

### Pull cord

length: approx. 2000 mm

with spring hook

red

ZS-34 KO5S

Ref.-no.

## Emergency signal

screw fixing only, without claws

without frame

for AS and A ranges

**Thermoplastic (breakproof) high-gloss**

ivory	NRS AS 0834 RM
white	NRS AS 0834 RM WW

for CD range

**Thermoplastic (breakproof) high-gloss**

white	NRS CD 0834 RM WW
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for LS range

**Thermoplastic (breakproof) high-gloss**

ivory	NRS LS 0834 RM
white	NRS LS 0834 RM WW
light grey	NRS LS 0834 RM LG
black	NRS LS 0834 RM SW

## Reset button

screw fixing only, without claws

without frame

for AS and A ranges

**Thermoplastic (breakproof) high-gloss**

ivory	NRS AS 0834 AT
white	NRS AS 0834 AT WW

for CD range

**Thermoplastic (breakproof) high-gloss**

white	NRS CD 0834 AT WW
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for LS range

**Thermoplastic (breakproof) high-gloss**

ivory	NRS LS 0834 AT
white	NRS LS 0834 AT WW
light grey	NRS LS 0834 AT LG
black	NRS LS 0834 AT SW

## Power supply

screw fixing only, without claws

without frame

supplies the emergency call system with DC 24 V

for AS and A ranges

**Thermoplastic (breakproof) high-gloss**

ivory	NRS AS 0834 NT
white	NRS AS 0834 NT WW

for CD range

**Thermoplastic (breakproof) high-gloss**

white	NRS CD 0834 NT WW
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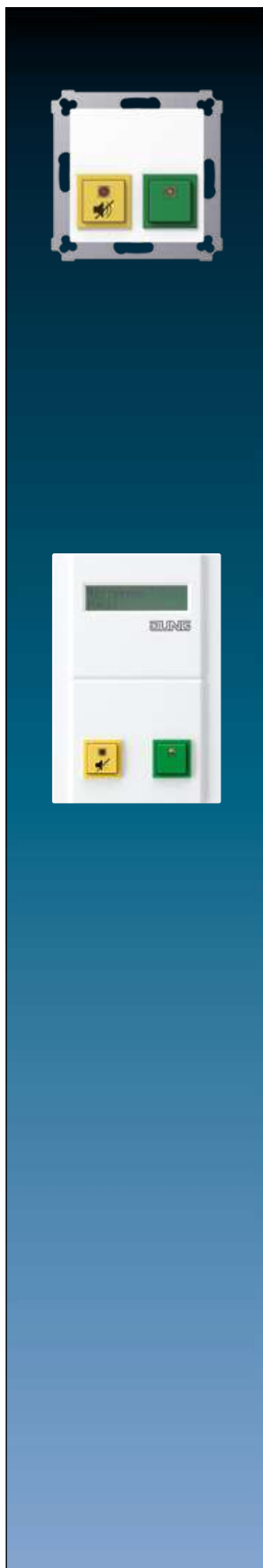
for LS range

**Thermoplastic (breakproof) high-gloss**

ivory	NRS LS 0834 NT
white	NRS LS 0834 NT WW
light grey	NRS LS 0834 NT LG
black	NRS LS 0834 NT SW



# Emergency system



Ref.-no.

## Optional:

### Service unit

screw fixing only, without claws  
without frame

### for AS and A ranges

#### Thermoplastic (breakproof) high-gloss

ivory	NRS AS 0834 DZE
white	NRS AS 0834 DZE WW

### for CD range

#### Thermoplastic (breakproof) high-gloss

white	NRS CD 0834 DZE WW
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### for LS range

#### Thermoplastic (breakproof) high-gloss

ivory	NRS LS 0834 DZE
white	NRS LS 0834 DZE WW
light grey	NRS LS 0834 DZE LG
black	NRS LS 0834 DZE SW

## Service terminal

### Thermoplastic (breakproof) high-gloss

white	NRS DZT 20 WW
-------	---------------

- Central remote signalling from up to 20 alarms
- Optical and acoustical signalling
- Two-line display for indication of the alarms
- Programmable alarm messages with up to 16 characters for allocating the alarms
- 20 electrically isolated inputs with one ground
- Evaluation of standby- and operating current
- Suppression of the acoustical alarms for 20 seconds
- Green presence push-button
- Yellow alarm suppression push-button
- Programmable with the PC
- USB-cable and Software (multi-language) included
- Power supply 24 V DC
- Inputs 24 V DC
- For screw-fixing in a wall box without claws
- Dimensions: 145 x 100 x 24 mm (H x W x D)

## Technical data

Supply voltage:	DC 24 V $\pm$ 12.5 %
Current consumption:	max. 30 mA
Ambient temperature:	+5 ... +40 °C
Connection mode:	screwless connection
single wire:	Ø 0.3 ... 1.4 mm
Cable type:	J-Y(St)Y
Distance emergency signal – service terminal:	max. 500 m
Inputs	
Voltage range:	DC 24 V $\pm$ 12.5 %
Current consumption:	typical 2 mA



Ref.-no.

## Surface-mounted housing

for service terminal ref.-no.: NRS DZT 20 WW

### Thermoplastic (breakproof) high-gloss

white

**NRS DZT AP WW**

Dimensions: 100 x 145 x 25 mm (W x H x D)

## Call button

screw fixing only, without claws

without frame

An additional control for triggering an emergency call

### for AS and A ranges

#### Thermoplastic (breakproof) high-gloss

ivory

**NRS AS 0834 RT**

white

**NRS AS 0834 RT WW**

### for CD range

#### Thermoplastic (breakproof) high-gloss

white

**NRS CD 0834 RT WW**

### for LS range

#### Thermoplastic (breakproof) high-gloss

ivory

**NRS LS 0834 RT**

white

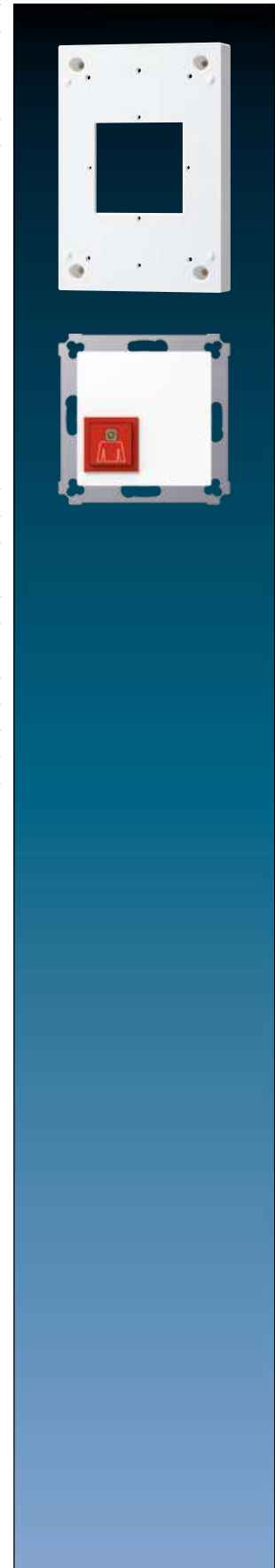
**NRS LS 0834 RT WW**

light grey

**NRS LS 0834 RT LG**

black

**NRS LS 0834 RT SW**









## Oversize rockers




"Oversize rockers" made of stainless steel, for convenient operation of automatic doors: ideal for use in corridors in hospitals and care homes where beds and wheelchairs have to be pushed.

# Oversize rocker

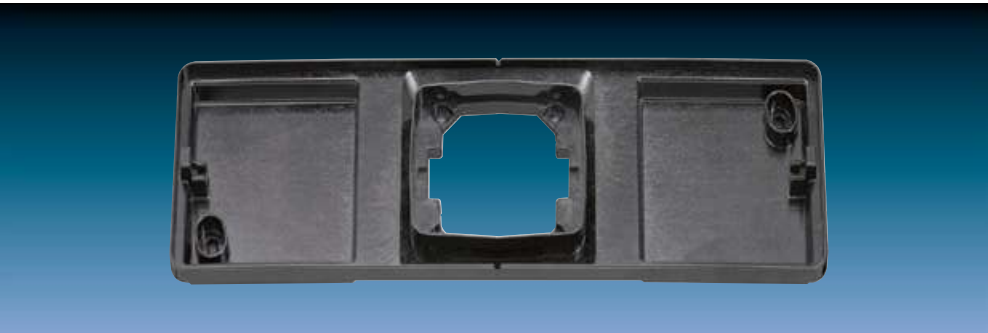
Accessories

**Installation note: No plaster compensation possible.**  
**Insert must be mounted flush with the wall.**  
**Supporting frame must be on top of wallpaper.**

Ref.-no.		
<b>Oversize rocker (70 x 212.4 mm)</b>		
for switch insert ref.-no.: 501 U, 502 U, 503 U, 506 U, 507 U, 501-20 U, 506-20 U, 507-20 U		
for push switch insert ref.-no.: 502 TU, 506 TU, 507 TU		
for push-button insert ref.-no.: 531 U, 532 U, 533 U, 533-2 U		
stainless steel	 	<b>ES 2993</b>
white (stainless steel lacquered)	 	<b>ES 2993 WW</b>
Protection level IP 44 only possible with 3-gang frame!		
Inscription on request		

<b>Oversize rocker (70 x 212.4 mm) with lens</b>		
for switch insert with indicator light		
ref.-no.: 502 KOU, 503 KOU, 506 KOU, 501-20 KOU, 502-20 KOU, 506-20 KOU		
for push switch insert with indicator light ref.-no.: 502 KOTU, 506 KOTU		
for push-button insert ref.-no.: 531 U, 533 U, 533-2 U, 534 U		
stainless steel	 	<b>ES 2993 KO5</b>
white (stainless steel lacquered)		<b>ES 2993 KO5 WW</b>
Protection level IP 44 only possible with 3-gang frame!		
Inscription on request		

<b>Holder plate</b>	
for frame fixing and oversize rocker bearing	
(Spare part)	
black	<b>ES 2993 HP</b>





# Oversize rocker

Installation note: No plaster compensation possible.  
Insert must be mounted flush with the wall.  
Supporting frame must be on top of wallpaper.

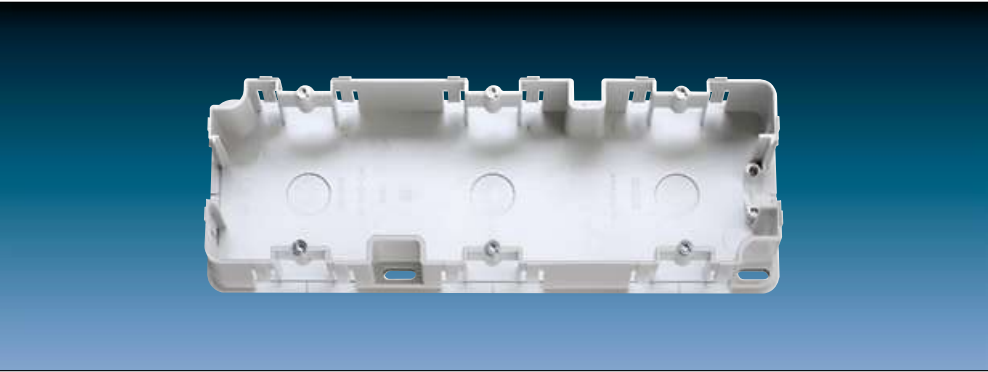


Ref.-no.	
<b>Surface cap</b>	
with integrated frame and non-flammable ground plate	
<b>3-gang, 223 x 81 x 47 mm</b>	
<b>metal colours (duroplastic lacquered)</b>	
stainless steel (lacquered)	<b>ES 2583 A-L</b>
<b>Duroplastic (scratch-proof) glossy</b>	
white	<b>LS 583 A WW</b>

<b>Frame</b>			
<b>for horizontal and vertical installation</b>			
<b>stainless steel</b>			
3-gang	81 x 223 mm		<b>ES 2983</b>
<b>white (stainless steel lacquered)</b>			
3-gang	81 x 223 mm		<b>ES 2983 WW</b>

Installation note: No plaster compensation possible.  
Insert must be mounted flush with the wall.  
Supporting frame must be on top of wallpaper.

	Ref.-no.
<b>Mounting box for surface caps</b> (Spare part)	
3-gang	<b>583 A</b>



<b>Strain relief</b> <b>for surface caps</b> for cables 3 x 1.5 mm <sup>2</sup> up to 5 x 2.5 mm <sup>2</sup> (Ø 7 up to 13 mm)	
	<b>58 A ZUG</b>

<b>Inlets for cables, pipes and trunkings in surface caps</b> <b>for cable and mini trunking</b>	
white	<b>11 WW</b>
stone grey	<b>11 SG</b>
<b>for trunking 15 x 15 mm</b>	
white	<b>12 WW</b>
stone grey	<b>12 SG</b>
<b>for pipes with outside Ø 16 mm</b>	
white	<b>13 WW</b>
stone grey	<b>13 SG</b>

<b>Sealing gasket</b> to ensure protection level IP 44 for all flush-mounted switch/push-button inserts of the 500 range, SCHUKO® sockets with hinged lid, rotary switches and timer switch inserts for all devices, covers and frames with blue "IP 44 marking" in some cases with additional gaskets acc. to product description	
	<b>IP 551 WU</b>





Corridor unit

The integration of card readers in the JUNG system can also be realised in the project.



Room unit with key card holder

A good hotel is perfectly coordinated in its processes and provides its guests with a high degree of service and comfort. The well thought-out and proven hospitality solutions from JUNG help both guests and hotel personnel. The intuitive operating philosophy for

controlling room functions and automated processes is an essential factor here. Only then does the guest feel comfortable. In addition, the necessary routines can be created in the daily work of the hotel personnel.



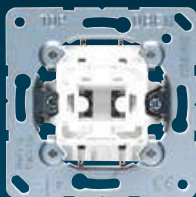
# Hotel installation



**TEMPERATURE CONTROLLER WITH FAN COIL**

High comfort for the guest, more economic efficiency for the owner and efficient work processes for the personnel. This is what the professional hotel installations from JUNG stand for.

# Hotel installation



Ref.-no.

## 1-gang push-button insert 10 A / 250 V ~

Screwless terminals for wires up to 2.5 mm<sup>2</sup>

Without claws: ref.-no. with additional "E", e.g.: 531 EU

1-pole, 1-way (NO contact)	<b>531 U</b>
----------------------------	--------------

1-pole, 2-way with terminal for N conductor	<b>533 U</b>
---	--------------

1-pole, 1-way (NO contact) with separate contacts for indicator light	<b>534 U</b>
---	--------------

Illumination possible with lamp ref.-no. 90/95 (230 V), 96-.. (low voltage),  
or LED lamp ref.-no. 90-LED.. (230 V) or 961248 LED.. (low voltage).

## 1-gang push-button insert 10 A / 250 V ~

Screwless terminals for wires up to 2.5 mm<sup>2</sup>

Without claws: ref.-no. with additional "E", e.g.: 532 EU

2-pole, 1-way (NO contact)	<b>532 U</b>
----------------------------	--------------

## Key card holder

for push-button insert ref.-no.: 531 U, 532 U, 533 U, 534 U

The key card holder is used to keep the hotel card and to ensure a high level of safety and energy savings, since all possibly powered electrical loads are switched off automatically when removing the hotel card.

The key card holder will be completed with a push-button of the JUNG portfolio.

The push-button ref.-no. 533 U with NO/NC contact and additional N-terminal is recommended.

The separate N-terminal enables the illumination of the device with incandescent or LED lamp at the same potential. If the pilot lamp should not be at the same potential, please install the push-button ref.-no. 534 U with separate signalling contact.

Installation note: No plaster compensation possible. Insert must be mounted flush with the wall.

Supporting frame must be on top of wallpaper.

## for AS and A ranges

### Thermoplastic (breakproof) high-gloss

ivory	<b>A 590 CARD</b>
white	<b>A 590 CARD WW</b>
black	<b>A 590 CARD SW</b>

### Thermoplastic (breakproof) lacquered

aluminium	<b>A 590 CARD AL</b>
champagne	<b>A 590 CARD CH</b>
mocha	<b>A 590 CARD MO</b>

### matt lacquered

matt snow white	<b>A 590 CARD WWM</b>
matt graphite black	<b>A 590 CARD SWM</b>
matt anthracite	<b>A 590 CARD ANM</b>



Ref.-no.

## Key card holder

for push-button insert ref.-no.: 531 U, 532 U, 533 U, 534 U

## for CD range

### Thermoplastic (breakproof) high-gloss

white	CD 590 CARD WW
-------	----------------

### metal colours (thermoplastic lacquered)

gold-bronze	CD 590 CARD GB-L
-------------	------------------

platinum	CD 590 CARD PT-L
----------	------------------

## for SL range

white	SL 590 CARD WW
-------	----------------

gold-bronze	SL 590 CARD GB
-------------	----------------

black	SL 590 CARD SW
-------	----------------

## for LS range

### Thermoplastic (breakproof) high-gloss

ivory	LS 590 CARD
-------	-------------

white	LS 590 CARD WW
-------	----------------

light grey	LS 590 CARD LG
------------	----------------

black	LS 590 CARD SW
-------	----------------

### matt lacquered

matt snow white	LS 590 CARD WWM
-----------------	-----------------

matt graphite black	LS 590 CARD SWM
---------------------	-----------------

### metal colours (thermoplastic lacquered)

aluminium (lacquered)	AL 2990 CARD
-----------------------	--------------

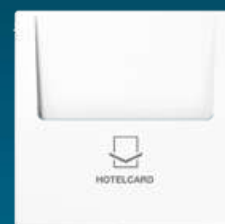
stainless steel (lacquered)	ES 2990 CARD
-----------------------------	--------------

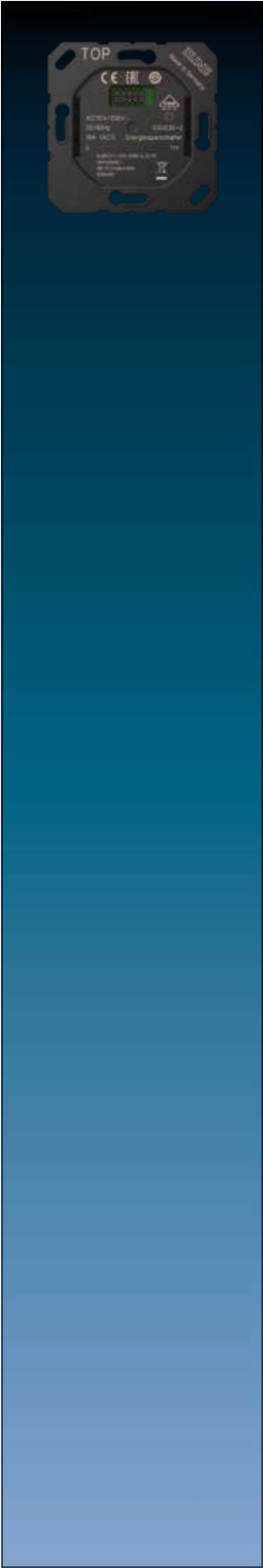
anthracite (lacquered)	AL 2990 CARD AN
------------------------	-----------------

dark (lacquered)	AL 2990 CARD D
------------------	----------------

classic brass (lacquered)	ME 2990 CARD C
---------------------------	----------------

antique brass (lacquered)	ME 2990 CARD AT
---------------------------	-----------------





Ref.-no.

## Energy saving unit

for key card holder RFID ref.-no.: .. CARD RFID ..

**ESU 230-2**

The intended use and the product features refer to the complete device, consisting of energy saving unit and key card holder RFID.

## Intended use

- Switching of lighting and other loads
- Triggering of external control systems
- Installation in flush box according to EN 60670-1

## Product characteristics

- Operation with RFID cards according to RFID standard ISO/IEC 14443 and ISO/IEC 15693
- 2 NO contacts, one of them with configurable run-on time
- Status indication with RGB lens
- Lens is dimming down 30 s after inserting the card
- Run-on time is signalled by RGB lens after removing the card

## Technical data

Rated voltage:	AC 110 ... 230 V ~
Mains frequency:	50/60 Hz
Switching current AC1 (cos $\varphi$ > 0.8):	16 A
Current carrying capacity	
of device (A1 + A2):	max. 16 A
Switch type:	2 NO contacts
Contact type:	$\mu$
Ambient temperature:	-5 ... +45 °C
Storage/transport temperature:	-25 ... +75 °C
Stand-by power:	max. 0.94 W
Connection mode:	screw terminals
single wire:	1 x 2.5 mm <sup>2</sup> or 2 x 1.5 mm <sup>2</sup>
Connected load, 230 V	
Output 1 (A1)	
Ohmic:	3000 W
Motors:	1160 VA
HV halogen lamps:	1000 W
Electronic transformers	
with LV halogen lamps:	1000 W
Output 2 (A2)	
Shut-off delay:	0 ... 240 s ( <b>60 s</b> )
Ohmic:	3000 W
Capacitive:	16 A / 140 $\mu$ F
Motors:	1380 VA
HV halogen lamps:	2500 W
Electronic transformers	
with LV halogen lamps:	1500 W
Inductive transformers	
with LV halogen lamps:	1200 VA
HV LED lamps:	typical 400 W
Reduction of load	
for every 5 °C exceeded 35 °C:	-10 %
for installation into wooden	
or hollow walls:	-15 %
for installation into multiple	
combinations:	-20 %

Ref.-no.

## Key card holder RFID

for energy saving unit ref.-no.: ESU 230-2

The key card holder RFID is used to keep the hotel card and to ensure a high level of safety and energy savings, since all possibly powered electrical loads are switched off with an adjustable delay after removing the hotel card. The key card holder RFID will be completed with the energy saving unit. The lens colour and brightness and the shut-off delay of the second relay can be adjusted at [www.jung.de/hotelcard](http://www.jung.de/hotelcard) prior to placing an order.



The intended use and the product features refer to the complete device, consisting of energy saving unit and key card holder RFID.

## Product characteristics



- Operation with RFID cards according to RFID standard ISO/IEC 14443 and ISO/IEC 15693
- 2 NO contacts, one of them with configurable run-on time
- Status indication with RGB lens
- Lens is dimming down 30 s after inserting the card
- Run-on time is signalled by RGB lens after removing the card

## for A range

### Thermoplastic (breakproof) high-gloss

white	 <b>A CARD RFID WW</b>
black	 <b>A CARD RFID SW</b>

### Thermoplastic (breakproof) lacquered




aluminium	 <b>A CARD RFID AL</b>
champagne	 <b>A CARD RFID CH</b>
mocha	<b>A CARD RFID MO</b>

### matt lacquered

matt snow white	<b>A CARD RFID WWM</b>
matt graphite black	<b>A CARD RFID SWM</b>
matt anthracite	<b>A CARD RFID ANM</b>

## for LS range



### Thermoplastic (breakproof) high-gloss

ivory	 <b>LS CARD RFID</b>
white	 <b>LS CARD RFID WW</b>
light grey	 <b>LS CARD RFID LG</b>
black	<b>LS CARD RFID SW</b>

### matt lacquered

matt snow white	<b>LS CARD RFID WWM</b>
matt graphite black	<b>LS CARD RFID SWM</b>

### metal colours (thermoplastic lacquered)

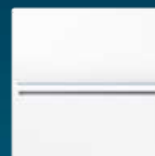
aluminium (lacquered)	 <b>AL CARD RFID</b>
stainless steel (lacquered)	 <b>ES CARD RFID</b>
anthracite (lacquered)	<b>AL CARD RFID AN</b>
dark (lacquered)	<b>AL CARD RFID D</b>
classic brass (lacquered)	<b>ME CARD RFID C</b>
antique brass (lacquered)	<b>ME CARD RFID AT</b>

## Configuration card RFID

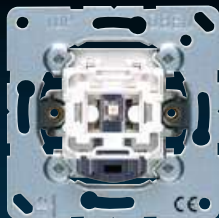
The lens colour and brightness and the run-on time of the second relay can be adjusted with the configuration card RFID.

For further information see [www.jung.de/hotelcard](http://www.jung.de/hotelcard)

CONFIG RFID



# Hotel installation



## Hotel switch insert, room unit

for hotel rocker room unit ref.-no.: .. RU KO5 D ..

with red LED lamp

Screwless terminals for wires up to 2.5 mm<sup>2</sup>

screw fixing only, without claws

The room unit is used for switching the LEDs of the corridor unit.

### DC 24 V

1-pole, 2-way

506 KO5 EU D 24

### AC 230 V ~

1-pole, 2-way \*

506 KO5 EU D 230

\* Neutral conductor required

## Hotel rocker, room unit

for hotel switch insert, room unit, ref.-no.: 506 KO5 EU D 24, 506 KO5 EU D 230

with lens and symbol "Do not disturb"

### for A range

#### Duroplastic (scratch-proof) glossy

white

A RU KO5 D WW

black

A RU KO5 D SW

#### Duroplastic lacquered

aluminium

A RU KO5 D AL

champagne

A RU KO5 D CH

mocha

A RU KO5 D MO

#### matt lacquered

matt anthracite

A RU KO5 D ANM

### for LS range

#### Duroplastic (scratch-proof) glossy

ivory

LS RU KO5 D

white

LS RU KO5 D WW

light grey

LS RU KO5 D LG

black

LS RU KO5 D SW

#### metal versions

aluminium

AL RU KO5 D

stainless steel

ES RU KO5 D

anthracite (aluminium lacquered)

AL RU KO5 D AN

dark (aluminium lacquered)

AL RU KO5 D D

classic brass

ME RU KO5 D C

antique brass

ME RU KO5 D AT



Ref.-no.

## Hotel push-button insert, corridor unit

for hotel rocker corridor unit ref.-no.: .. CU KO5 D ..

with red LED lamp

Screwless terminals for wires up to 2.5 mm<sup>2</sup>

screw fixing only, without claws

The corridor unit indicates the switch position of the room unit.

The push-button is used to activate the bell (e.g. triple-tone door signal, ref.-no. ..567-G3 ..)

### DC 24 V

1-pole, 1-way (NO contact) with separate contacts for indicator light	<b>534 KO5 EU D 24</b>
---	------------------------

### AC 230 V ~

1-pole, 1-way (NO contact) with separate contacts for indicator light *	<b>534 KO5 EU D 230</b>
---	-------------------------

\* Neutral conductor required

## Hotel rocker, corridor unit

for hotel push-button insert, corridor unit, ref.-no.: 534 KO5 EU D 24, 534 KO5 EU D 230

with lens and symbol "Do not disturb"

with symbol "bell"

### for A range

#### Duroplastic (scratch-proof) glossy

white	<b>A CU KO5 D WW</b>
-------	----------------------

black	<b>A CU KO5 D SW</b>
-------	----------------------

#### Duroplastic lacquered

aluminium	<b>A CU KO5 D AL</b>
-----------	----------------------

champagne	<b>A CU KO5 D CH</b>
-----------	----------------------

mocha	<b>A CU KO5 D MO</b>
-------	----------------------

#### matt lacquered

matt anthracite	<b>A CU KO5 D ANM</b>
-----------------	-----------------------

### for LS range

#### Duroplastic (scratch-proof) glossy

ivory	<b>LS CU KO5 D</b>
-------	--------------------

white	<b>LS CU KO5 D WW</b>
-------	-----------------------

light grey	<b>LS CU KO5 D LG</b>
------------	-----------------------

black	<b>LS CU KO5 D SW</b>
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#### metal versions

aluminium	<b>AL CU KO5 D</b>
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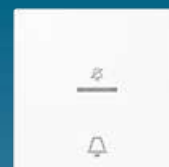
stainless steel	<b>ES CU KO5 D</b>
-----------------	--------------------

anthracite (aluminium lacquered)	<b>AL CU KO5 D AN</b>
----------------------------------	-----------------------

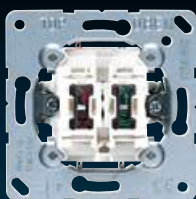
dark (aluminium lacquered)	<b>AL CU KO5 D D</b>
----------------------------	----------------------

classic brass	<b>ME CU KO5 D C</b>
---------------	----------------------

antique brass	<b>ME CU KO5 D AT</b>
---------------	-----------------------



# Hotel installation



Ref.-no.

## Hotel switch insert, room unit

for hotel rocker room unit ref.-no.: .. RU KO5 M ..

with red and green LED lamp

Mechanical interlocking to avoid switching of both rockers at the same time

Screwless terminals for wires up to 2.5 mm<sup>2</sup>

screw fixing only, without claws

The room unit is used for switching the LEDs of the corridor unit.

### DC 24 V

2 x 1-pole, 1-way

505 KO5 VEU M 24

### AC 230 V ~

2 x 1-pole, 1-way \*

505 KO5 VEU M 230

\* Neutral conductor required

## Hotel rocker, room unit

for hotel switch insert, room unit, ref.-no.: 505 KO5 VEU M 24, 505 KO5 VEU M 230

with lens and symbols "Do not disturb" and "Make up room"

### for A range

#### Duroplastic (scratch-proof) glossy

white

A RU KO5 M WW

black

A RU KO5 M SW

#### Duroplastic lacquered

aluminium

A RU KO5 M AL

champagne

A RU KO5 M CH

mocha

A RU KO5 M MO

#### matt lacquered

matt anthracite

A RU KO5 M ANM

### for LS range

#### Duroplastic (scratch-proof) glossy

ivory

LS RU KO5 M

white

LS RU KO5 M WW

light grey

LS RU KO5 M LG

black

LS RU KO5 M SW

#### metal versions

aluminium

AL RU KO5 M

stainless steel

ES RU KO5 M

anthracite (aluminium lacquered)

AL RU KO5 M AN

dark (aluminium lacquered)

AL RU KO5 M D

classic brass

ME RU KO5 M C

antique brass

ME RU KO5 M AT

Ref.-no.

## Hotel push-button insert, corridor unit

for hotel rocker corridor unit ref.-no.: .. CU KO5 M ..

with red and green LED lamp

Screwless terminals for wires up to 2.5 mm<sup>2</sup>

screw fixing only, without claws

The corridor unit indicates the switch position of the room unit.

The push-button is used to activate the bell (e.g. triple-tone door signal, ref.-no. ..567-G3 ..)

### DC 24 V

1-pole, 1-way (NO contact)	531 KO5 EU M 24
----------------------------	-----------------

### AC 230 V ~

1-pole, 1-way (NO contact) *	531 KO5 EU M 230
------------------------------	------------------

\* Neutral conductor required

## Hotel rocker, corridor unit

for hotel push-button insert, corridor unit, ref.-no.: 531 KO5 EU M 24, 531 KO5 EU M 230

with lens and symbols "Do not disturb" and "Make up room"

with symbol "bell"

### for A range

#### Duroplastic (scratch-proof) glossy

white	A CU KO5 M WW
-------	---------------

black	A CU KO5 M SW
-------	---------------

#### Duroplastic lacquered

aluminium	A CU KO5 M AL
-----------	---------------

champagne	A CU KO5 M CH
-----------	---------------

mocha	A CU KO5 M MO
-------	---------------

#### matt lacquered

matt anthracite	A CU KO5 M ANM
-----------------	----------------

### for LS range

#### Duroplastic (scratch-proof) glossy

ivory	LS CU KO5 M
-------	-------------

white	LS CU KO5 M WW
-------	----------------

light grey	LS CU KO5 M LG
------------	----------------

black	LS CU KO5 M SW
-------	----------------

#### metal versions

aluminium	AL CU KO5 M
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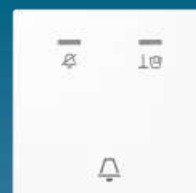
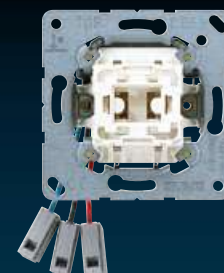
stainless steel	ES CU KO5 M
-----------------	-------------

anthracite (aluminium lacquered)	AL CU KO5 M AN
----------------------------------	----------------

dark (aluminium lacquered)	AL CU KO5 M D
----------------------------	---------------

classic brass	ME CU KO5 M C
---------------	---------------

antique brass	ME CU KO5 M AT
---------------	----------------



# Hotel installation



Ref.-no.

## Hotel centre plate with LED unit 24 V, corridor unit

with supporting frame, screw fixing only

with red and green LED lamp

with lens and symbols "Do not disturb" and "Make up room"

The corridor unit indicates the switch position of the room unit.

### for A range

#### Thermoplastic (breakproof) high-gloss

white A CU KO5 M 24 WW

black A CU KO5 M 24 SW

#### Thermoplastic (breakproof) lacquered

aluminium A CU KO5 M 24 AL

champagne A CU KO5 M 24 CH

mocha A CU KO5 M 24 MO

#### matt lacquered

matt anthracite A CU KO5 M 24 ANM

### for LS range

#### Thermoplastic (breakproof) high-gloss

ivory LS CU KO5 M 24

white LS CU KO5 M 24 WW

light grey LS CU KO5 M 24 LG

black LS CU KO5 M 24 SW

#### metal versions

aluminium AL CU KO5 M 24

stainless steel ES CU KO5 M 24

anthracite (aluminium lacquered) AL CU KO5 M 24 AN

dark (aluminium lacquered) AL CU KO5 M 24 D

classic brass ME CU KO5 M 24 C

antique brass ME CU KO5 M 24 AT



Ref.-no.

## Hotel centre plate with LED unit 230 V, corridor unit

with supporting frame, screw fixing only

with red and green LED lamp

with lens and symbols "Do not disturb" and "Make up room"

The corridor unit indicates the switch position of the room unit.

### for A range

#### Thermoplastic (breakproof) high-gloss

white A CU KO5 M 230 WW

black A CU KO5 M 230 SW

#### Thermoplastic (breakproof) lacquered

aluminium A CU KO5 M 230 AL

champagne A CU KO5 M 230 CH

mocha A CU KO5 M 230 MO

#### matt lacquered

matt anthracite A CU KO5 M 230 ANM

### for LS range

#### Thermoplastic (breakproof) high-gloss

ivory LS CU KO5 M 230

white LS CU KO5 M 230 WW

light grey LS CU KO5 M 230 LG

black LS CU KO5 M 230 SW

#### metal versions

aluminium AL CU KO5 M 230

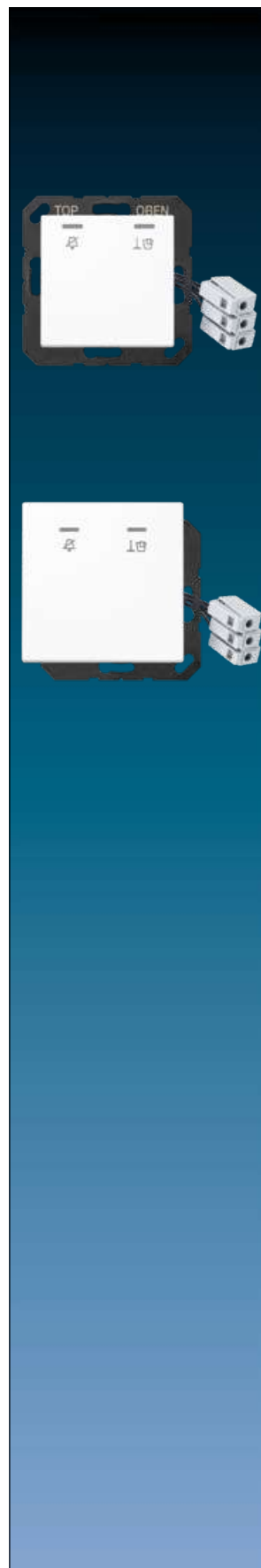
stainless steel ES CU KO5 M 230

anthracite (aluminium lacquered) AL CU KO5 M 230 AN

dark (aluminium lacquered) AL CU KO5 M 230 D

classic brass ME CU KO5 M 230 C

antique brass ME CU KO5 M 230 AT



# Hotel installation



Ref.-no.

## Hotel push-button insert, corridor unit

for hotel rocker (glass) corridor unit ref.-no.: .. CU KO6 M ..

with red and green LED lamp

Screwless terminals for wires up to 2.5 mm<sup>2</sup>

screw fixing only, without claws

The corridor unit indicates the switch position of the room unit.

The push-button is used to activate the bell (e.g. triple-tone door signal, ref.-no. ..567-G3 ..)

### DC 24 V

1-pole, 1-way (NO contact)

**531 KO6 EU M 24**

## Hotel rocker (glass), corridor unit

for hotel push-button insert, corridor unit, ref.-no.: 531 KO6 EU M 24

with symbol "Do not disturb" (red backlight) and symbol "Make up room" (green backlight)

Symbols will be hidden when switched off (fade effect)

with printed symbol "bell"

### for AS and A ranges

white

**A CU KO6 M WW**

black

**A CU KO6 M SW**

### for LS range

white

**LS CU KO6 M WW**

black

**LS CU KO6 M SW**

## Hotel centre plate (glass) with LED unit 24 V, corridor unit

with supporting frame, screw fixing only

with red and green LED lamp

with symbol "Do not disturb" (red backlight) and symbol "Make up room" (green backlight)

Symbols will be hidden when switched off (fade effect)

The corridor unit indicates the switch position of the room unit.

### for AS and A ranges

white

**A CU KO6 M 24 WW**

black

**A CU KO6 M 24 SW**

### for LS range

white

**LS CU KO6 M 24 WW**

black

**LS CU KO6 M 24 SW**

Ref.-no.

## LED pilot light

for glass cover ref.-no.: .. CU KO6 TX ..

## LED KO6 TX 24

### Intended use

- LED pilot light for use in dry indoor areas
- Installation in flush box according to EN 60670-1

### Product characteristics

- Customised labelling, symbols or text in combination with glass cover
- Backlight in white, red, green or orange
- Color change via separate switch, e.g. ref.-no.: 505 U or 505 KO5 VEU M 24 (not included)

### Technical data

Rated voltage: DC 24 V SELV  
 Rated capacity: < 1.5 W  
 Ambient temperature: -5 ... +45 °C



### Glass cover

for LED pilot light ref.-no.: LED KO6 TX 24


The cover is lacquered on the back and can be lasered individually using the Graphic Tool.

**Order only via Graphic Tool: [www.jung.de/gt](http://www.jung.de/gt)**

### for AS and A ranges

white	 A CU KO6 TX WW
black	 A CU KO6 TX SW

### for LS range



white	 LS CU KO6 TX WW
black	 LS CU KO6 TX SW

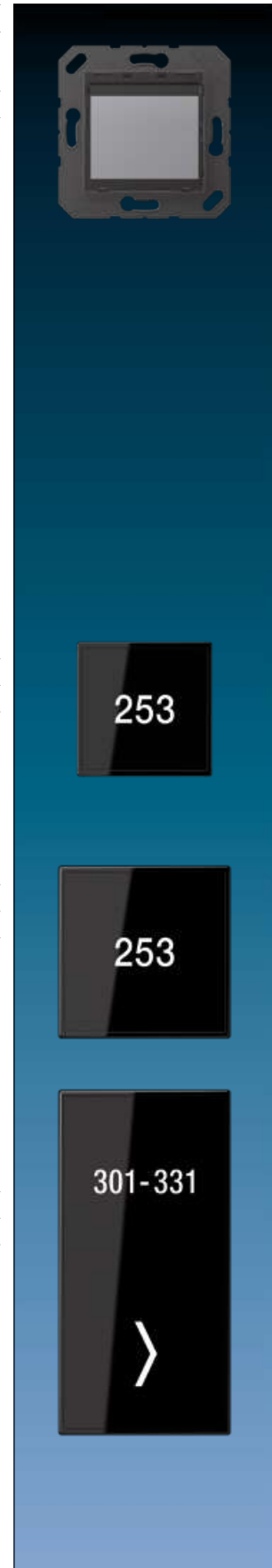
### Glass cover 2-gang

for 2 LED pilot lights ref.-no.: LED KO6 TX 24

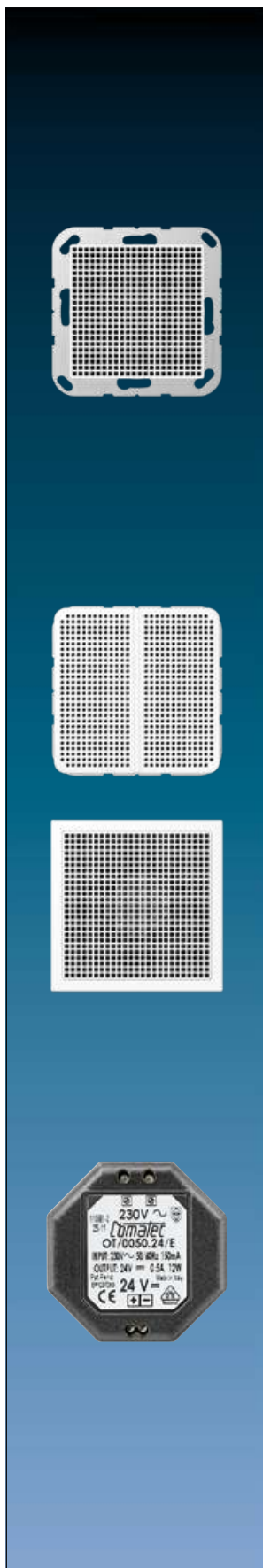
The cover is lacquered on the back and can be lasered individually using the Graphic Tool.

**Order only via Graphic Tool: [www.jung.de/gt](http://www.jung.de/gt)**

white	 LS CU KO6 TX-2 WW
black	 LS CU KO6 TX-2 SW



# Hotel installation



Ref.-no.

## Triple-tone door signal

with supporting frame, screw fixing only  
2 separate terminals for 2 or 3 tone signal  
power supply: 8 ... 12 V AC or 8 ... 24 V DC, via external power supply (SELV) e.g.  
ref.-no. NT 2405 VDC or NT 2415 REG VDC  
current consumption: approx. 150 mA

## for AS and A ranges

### Thermoplastic (breakproof) high-gloss

ivory	A 567-G3
white	A 567-G3 WW
black	A 567-G3 SW

### Thermoplastic (breakproof) lacquered

aluminium	A 567-G3 AL
champagne	A 567-G3 CH
mocha	A 567-G3 MO

### matt lacquered

matt snow white	A 567-G3 WWM
matt graphite black	A 567-G3 SWM
matt anthracite	A 567-G3 ANM

## for CD range

### Thermoplastic (breakproof) high-gloss

ivory	CD 567-G3
white	CD 567-G3 WW

## for LS range

### Thermoplastic (breakproof) high-gloss

ivory	LS 2567-G3
white	LS 2567-G3 WW
<b>matt lacquered</b>	
matt snow white	LS 2567-G3 WWM
matt graphite black	LS 2567-G3 SWM

### metal versions

aluminium	AL 2567-G3
stainless steel	ES 2567-G3
anthracite (aluminium lacquered)	AL 2567-G3 AN

## Flush-mounted power supply

NT 2405 VDC

## Technical data

Input voltage:	AC 230 V ~, 50/60 Hz
Input current:	150 mA
Output voltage:	DC 24 V
Output current:	500 mA
Dimensions (Ø x H):	54 x 32 mm
Connection:	screw terminals

Ref.-no.

## Power supply for rail mounting

Rail mounting device, 4 rail units

NT 2415 REG VDC

### Technical data

Input voltage:	AC 100 ... 240 V ~, 50/60 Hz
Input current:	730 mA
Output voltage:	DC 24 V SELV
Output current:	1.5 A
Mounting width:	72 mm (4 rail units)
Connection:	screw terminals

### Hinged lid

#### with symbol "charger"

for USB charger ref.-no.: USB 15 CA WW, USB 15 CA SW  
including centre plate

### for CD range

#### Thermoplastic (breakproof) high-gloss

ivory	CD 590 KL USB
white	CD 590 KL USB WW
brown	CD 590 KL USB BR
grey	CD 590 KL USB GR
light grey	CD 590 KL USB LG
black	CD 590 KL USB SW

#### metal versions (anodized aluminium)

gold-bronze	CD 590 KL USB GB
platinum	CD 590 KL USB PT

### for LS range

#### with spring

#### Thermoplastic (breakproof) high-gloss

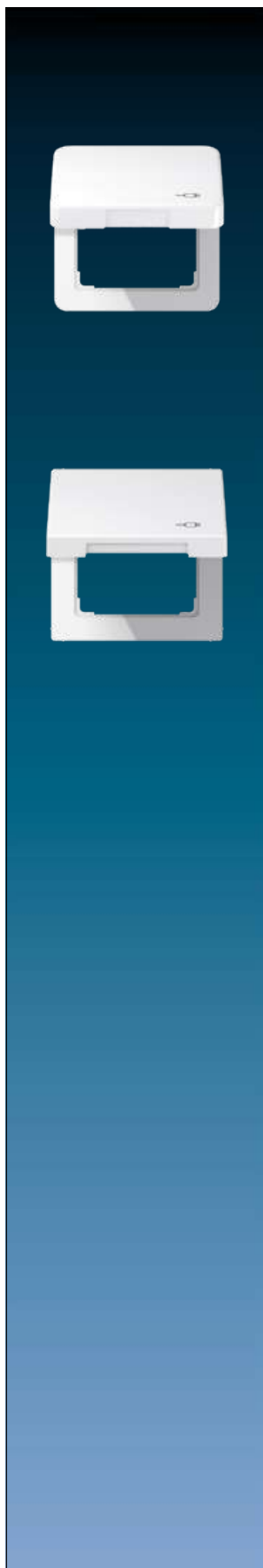
ivory	LS 990 BFKL USB
white	LS 990 BFKL USB WW
light grey	LS 990 BFKL USB LG
black	LS 990 BFKL USB SW

#### metal versions

aluminium	AL 2990 KL USB
stainless steel	ES 2990 KL USB
anthracite (aluminium lacquered)	AL 2990 KL USB AN
dark (aluminium lacquered)	AL 2990 KL USB D
classic brass	ME 2990 KL USB C
antique brass	ME 2990 KL USB AT



# Hotel installation



Ref.-no.	
<b>Hinged lid with symbol "plug" for sockets with 50 x 50 mm cover</b>	
<b>for CD range</b>	
<b>Thermoplastic (breakproof) high-gloss</b>	
ivory	CD 590 KL SOC
white	CD 590 KL SOC WW
brown	CD 590 KL SOC BR
grey	CD 590 KL SOC GR
light grey	CD 590 KL SOC LG
black	CD 590 KL SOC SW
<b>metal versions (anodized aluminium)</b>	
gold-bronze	CD 590 KL SOC GB
platinum	CD 590 KL SOC PT
<b>for LS range</b>	
<b>with spring</b>	
<b>Thermoplastic (breakproof) high-gloss</b>	
ivory	LS 990 BFKL SOC
white	LS 990 BFKL SOC WW
light grey	LS 990 BFKL SOC LG
black	LS 990 BFKL SOC SW
<b>metal versions</b>	
aluminium	AL 2990 KL SOC
stainless steel	ES 2990 KL SOC
anthracite (aluminium lacquered)	AL 2990 KL SOC AN
dark (aluminium lacquered)	AL 2990 KL SOC D
classic brass	ME 2990 KL SOC C
antique brass	ME 2990 KL SOC AT

Ref.-no.

## Hinged lid

### with symbol "LAN"

for 2-gang modular jack sockets

IAE/UAE sockets ref.-no.: UAE 2 x 8 UPO, UAE 8-8 UPO

for sockets Cat. 6 ref.-no.: UAE 8-8 UPOK6

(2 x 8-pol.)

including centre plate

## for CD range

### Thermoplastic (breakproof) high-gloss

ivory	CD 590 KL LAN
white	CD 590 KL LAN WW
brown	CD 590 KL LAN BR
grey	CD 590 KL LAN GR
light grey	CD 590 KL LAN LG
black	CD 590 KL LAN SW

### metal versions (anodized aluminium)

gold-bronze	CD 590 KL LAN GB
platinum	CD 590 KL LAN PT

## for LS range

### with spring

### Thermoplastic (breakproof) high-gloss

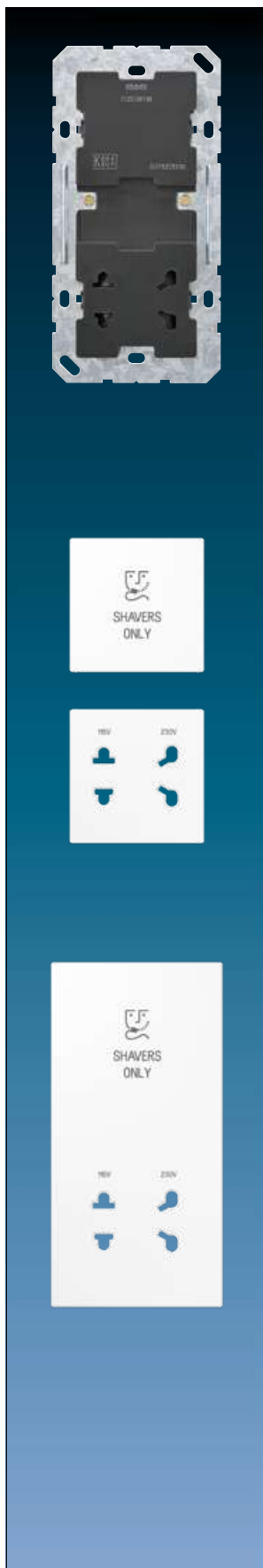
ivory	LS 990 BFKL LAN
white	LS 990 BFKL LAN WW
light grey	LS 990 BFKL LAN LG
black	LS 990 BFKL LAN SW

### metal versions

aluminium	AL 2990 KL LAN
stainless steel	ES 2990 KL LAN
anthracite (aluminium lacquered)	AL 2990 KL LAN AN
dark (aluminium lacquered)	AL 2990 KL LAN D
classic brass	ME 2990 KL LAN C
antique brass	ME 2990 KL LAN AT



# Hotel installation



Ref.-no.

## Electric shaver socket outlet

with enhanced contact protection (shutter)  
Screw terminals for wires up to 4 mm<sup>2</sup>  
Isolating transformer  
Overtemperature protection

**SO 7522 EINS**

Suitable for US NEMA 1 plug (2 pins) and Europlug.  
Suitable wall boxes: ref.-no. 9062-02, 1656-21

## Technical data

Input voltage: AC 230 V ~  
Output voltage: AC 115 V ~ and AC 230 V ~  
Power: 20 VA

## Centre plate

for electric shaver socket outlet ref.-no.: SO 7522 EINS  
The device can be installed into multiple frames of the AS / A ranges.

## for AS and A ranges

### Duroplastic (scratch-proof) glossy

white	<b>SO A 7522 WW PL</b>
black	<b>SO A 7522 SW PL</b>

### Duroplastic lacquered

aluminium	<b>SO A 7522 AL PL</b>
champagne	<b>SO A 7522 CH PL</b>
mocha	<b>SO A 7522 MO PL</b>

### Thermoplastic (breakproof) high-gloss

white	<b>SO A 7522 BF WW PL</b>
black	<b>SO A 7522 BF SW PL</b>

### matt lacquered

matt snow white	<b>SO A 7522 WWM PL</b>
matt graphite black	<b>SO A 7522 SWM PL</b>

## for LS range

### Duroplastic (scratch-proof) glossy

ivory	<b>SO LS 7522 PL</b>
white	<b>SO LS 7522 WW PL</b>
light grey	<b>SO LS 7522 LG PL</b>
black	<b>SO LS 7522 SW PL</b>

### matt lacquered

matt snow white	<b>SO LS 7522 WWM PL</b>
matt graphite black	<b>SO LS 7522 SWM PL</b>

### metal versions

aluminium	<b>SO AL 7522 PL</b>
stainless steel	<b>SO ES 7522 PL</b>
anthracite (aluminium lacquered)	<b>SO AN 7522 PL</b>
dark (aluminium lacquered)	<b>SO AL 7522 D PL</b>
chrome	<b>SO GCR 7522 PL</b>
gold-coloured	<b>SO GO 7522 PL</b>
classic brass	<b>SO ME 7522 C PL</b>
antique brass	<b>SO ME 7522 AT PL</b>



Ref.-no.

**Wall box for hollow walls, 2-gang**

for electric shaver socket outlet ref.-no.: SO 7522 EINS

depth: 47 mm

**9062-02**

cutting hole Ø: 2 x 68 mm

centre distance: 71 mm

for panel thickness: 7 – 40 mm

device screws: 4

cable entries 3 x 1.5 mm<sup>2</sup>: 6

**Wall box, 2-gang**

for electric shaver socket outlet ref.-no.: SO 7522 EINS

depth: 68 mm

**1656-21**

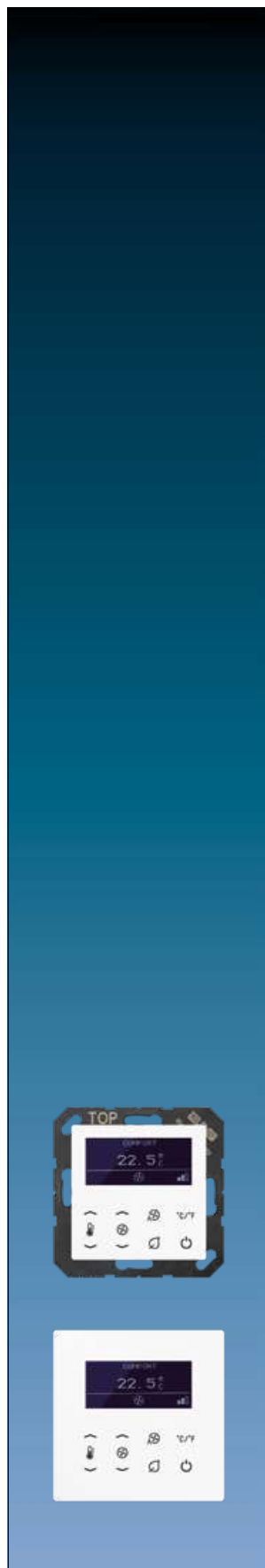
length: 149 mm

width: 80 mm

installation opening Ø: 2 x 60 mm

device screws: 4





Ref.-no.

## Temperature controller fan coil, 2-pipe

### Intended use

- Switching and operating electrical fan coil units with electrothermically actuated heating/cooling valves
- Measurement and feedback control of the room temperature
- Installation in flush box according to EN 60670-1 (recommendation: deep box)

### Product characteristics

- Connection of one fan coil unit with up to 3 fan speeds
- Heating or cooling mode
- Real glass front panel
- 8 capacitive sensor buttons
- Internal temperature sensor
- Room temperature controller function
- Preselection of the current energy level through the option of 5 temperature profiles for use in hotels or similar sites
- Display for indication of actual temperature (°C or °F), fan speed, operating mode/profile
- Menu levels blockable
- 1 status LED (red/green/blue)
- Display brightness and contrast adjustable
- Duration of the display illumination up to 120 seconds
- Satellite input for connection of key card holder

### Technical data

Rated voltage:	AC 110 ... 230 V ~
Mains frequency:	50/60 Hz
Switching output	
Contact type:	μ
Output current:	max. 3 A
Switching capacity	
Motors (230 V):	690 VA
Motors (110 V):	300 VA
Outputs for valve drives	
Contact type:	semiconductor (triac), ε
Switching current:	max. 250 mA
Storing temperature:	-5 ... +45 °C
Transport temperature:	-25 ... +70 °C
Ambient temperature:	-5 ... +45 °C
Relative humidity:	5 ... 95 % (no condensation)
Connection mode:	screw terminals
single wire:	1.5 mm <sup>2</sup>
stranded with ferrule:	1.5 mm <sup>2</sup>

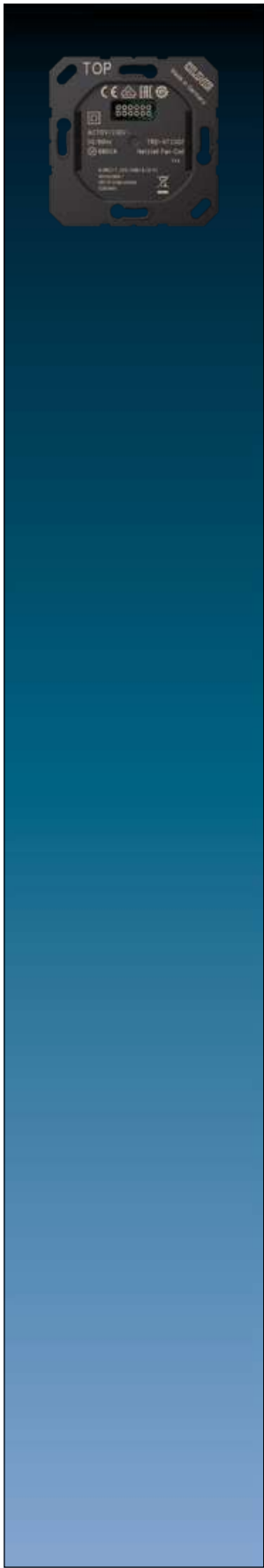
### for AS and A ranges

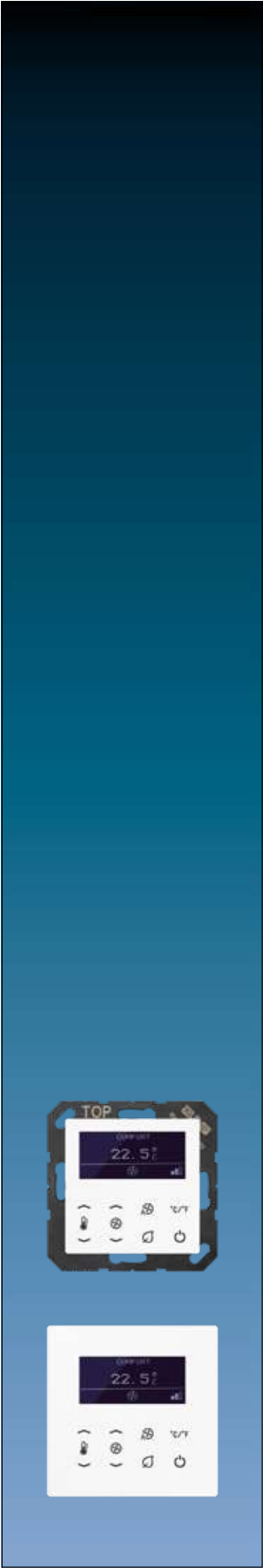
white	TRD A 523028 WW
black	TRD A 523028 SW

### for LS range

white	TRD LS 923028 WW
black	TRD LS 923028 SW

Ref.-no.	
<b>Power supply</b>	
for temperature controller fan coil (2-pipe) ref.-no.: TRD ..23028 .. (Spare part)	
<b>TRD-NT 2302</b>	
<b>Technical data</b>	
Rated voltage:	AC 110 ... 230 V ~
Mains frequency:	50/60 Hz
Switching output	
Contact type:	μ
Output current:	max. 3 A
Switching capacity	
Motors (230 V):	690 VA
Motors (110 V):	300 VA
Outputs for valve drives	
Contact type:	semiconductor (triac), ε
Switching current:	max. 250 mA
Storing temperature:	-5 ... +45 °C
Transport temperature:	-25 ... +70 °C
Ambient temperature:	-5 ... +45 °C
Relative humidity:	5 ... 95 % (no condensation)
Connection mode:	screw terminals
single wire:	1.5 mm <sup>2</sup>
stranded with ferrule:	1.5 mm <sup>2</sup>





Ref.-no.

## Temperature controller fan coil, 4-pipe

### Intended use

- Switching and operating electrical fan coil units with electrothermically actuated heating/cooling valves
- Measurement and feedback control of the room temperature
- Installation in flush box according to EN 60670-1 (recommendation: deep box)

### Product characteristics

- Connection of one fan coil unit with up to 3 fan speeds
- Heating and/or cooling mode
- Real glass front panel
- 8 capacitive sensor buttons
- Internal temperature sensor
- Room temperature controller function
- Preselection of the current energy level through the option of 5 temperature profiles for use in hotels or similar sites
- Display for indication of actual temperature (°C or °F), fan speed, operating mode/profile
- Menu levels blockable
- 1 status LED (red/green/blue)
- Display brightness and contrast adjustable
- Duration of the display illumination up to 120 seconds
- Satellite input for connection of key card holder

### Technical data

Rated voltage:	AC 110 ... 230 V ~
Mains frequency:	50/60 Hz
Switching output	
Contact type:	μ
Output current:	max. 3 A
Switching capacity	
Motors (230 V):	690 VA
Motors (110 V):	300 VA
Outputs for valve drives	
Contact type:	semiconductor (triac), ε
Switching current:	max. 250 mA
Storing temperature:	-5 ... +45 °C
Transport temperature:	-25 ... +70 °C
Ambient temperature:	-5 ... +45 °C
Relative humidity:	5 ... 95 % (no condensation)
Connection mode:	screw terminals
single wire:	1.5 mm <sup>2</sup>
stranded with ferrule:	1.5 mm <sup>2</sup>

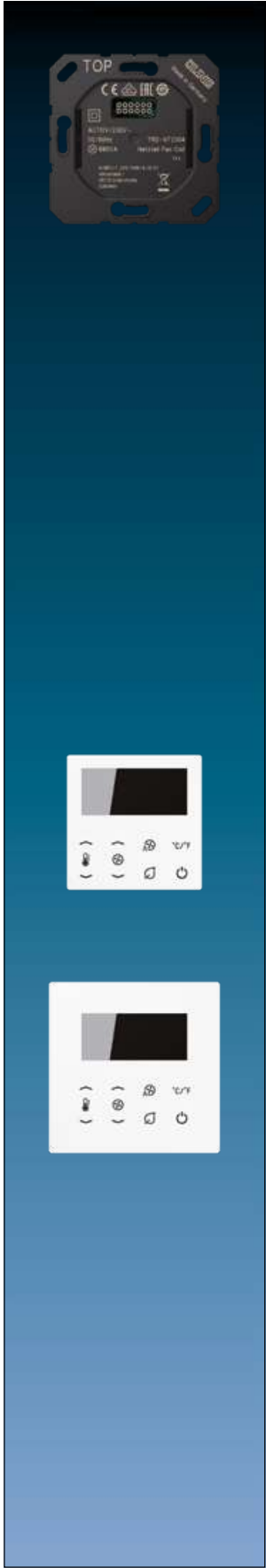
### for AS and A ranges

white	TRD A 523048 WW
black	TRD A 523048 SW

### for LS range

white	TRD LS 923048 WW
black	TRD LS 923048 SW

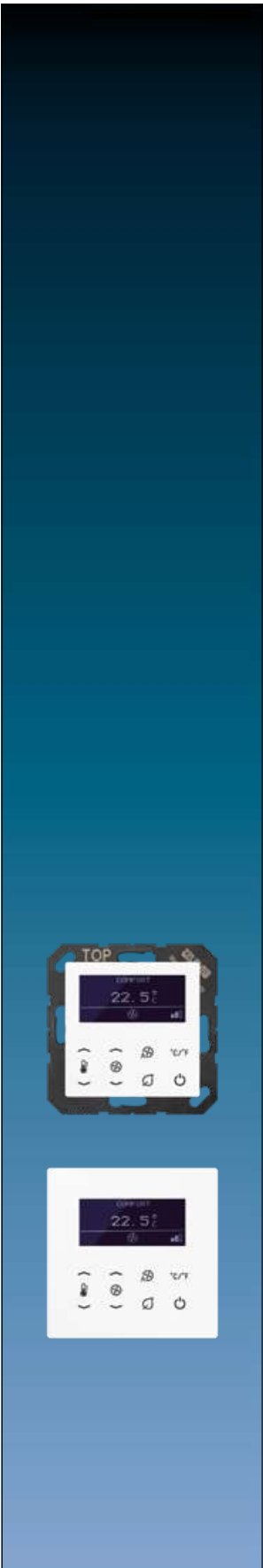
Ref.-no.	
<b>Power supply</b>	
for temperature controller fan coil (4-pipe) ref.-no.: TRD ..23048 .. (Spare part)	
TRD-NT 2304	
<b>Technical data</b>	
Rated voltage:	AC 110 ... 230 V ~
Mains frequency:	50/60 Hz
Switching output	
Contact type:	μ
Output current:	max. 3 A
Switching capacity	
Motors (230 V):	690 VA
Motors (110 V):	300 VA
Outputs for valve drives	
Contact type:	semiconductor (triac), ε
Switching current:	max. 250 mA
Storing temperature:	-5 ... +45 °C
Transport temperature:	-25 ... +70 °C
Ambient temperature:	-5 ... +45 °C
Relative humidity:	5 ... 95 % (no condensation)
Connection mode:	screw terminals
single wire:	1.5 mm <sup>2</sup>
stranded with ferrule:	1.5 mm <sup>2</sup>
<b>Display</b>	
for temperature controller fan coil ref.-no.: TRD ..230.. (Spare part)	
<b>for AS and A ranges</b>	
white	TRD A-DISP WW
black	TRD A-DISP SW
<b>for LS range</b>	
white	TRD LS-DISP WW
black	TRD LS-DISP SW



# Hotel installation

## KNX

These devices are part of the KNX system.  
Further components of the KNX system can be found from page 658 onward.



Ref.-no.

### KNX temperature controller fan coil

#### Intended use

- Sensor module for operating electrical fan coil units in KNX installations
- Measurement and feedback control of the room temperature
- Installation in flush box according to EN 60670-1

#### Product characteristics

- Real glass front panel
- 8 capacitive sensor buttons
- Internal temperature sensor
- External temperature sensor can be evaluated
- Control of fan coil units
- Heating and/or cooling mode
- Suitable for 2-pipe or 4-pipe systems
- Up to 3 fan speeds can be controlled
- Room temperature controller function
- Preselection of the current energy level either through the option of 4 operating modes in accordance with KNX standard or of 5 temperature profiles for use in hotels or similar sites
- Display for indication of actual temperature (°C or °F), fan speed, operating mode/profile
- 1 operating level and 2 menu levels
- Menu levels blockable
- 1 status LED (red/green/blue)
- Display brightness and contrast adjustable
- Duration of the display illumination up to 120 seconds
- Operation as extension unit for temperature controller possible
- Integrated bus coupling unit

#### Technical data

KNX medium:	TP 256
Rated voltage KNX:	DC 21 ... 32 V SELV
Current consumption KNX:	8 ... 17.5 mA
Protection class:	III
Ambient temperature:	-5 ... +45 °C
Storage/transport temperature:	-20 ... +70 °C

#### for AS and A ranges

white	TRD A 5248 WW
black	TRD A 5248 SW

#### for LS range

white	TRD LS 9248 WW
black	TRD LS 9248 SW

Ref.-no.

**JUNG Visu Pro Software Hotel**

Full version

**JVP-HOTEL****Note:** The software can only be downloaded from the JUNG website<https://www.jung.de/en/1508/service/get-your-software-licence/>.

When downloading, you can choose between the English and the German version.

Each installation will run in demo mode for 20 days or 400 starts.

For an unrestricted use the software must be activated via a MyJUNG account.

**Intended use**

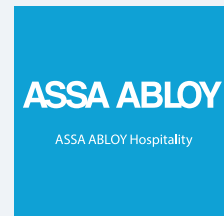
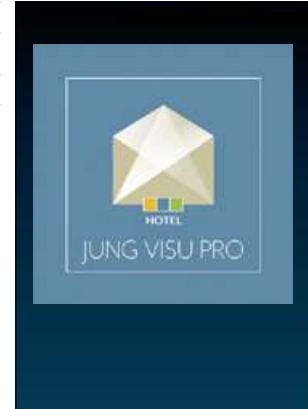
- Visualisation and operation of KNX systems via devices with HTML5 browser or app (iOS, Android), e.g. Smart Control (ref.-no.: SC 5 SW, SC 0081 U), smartphone, tablet, laptop, PC, etc.
- Support of KNX IP Secure and KNX Data Secure (as of version 4.5)
- Connection to KNX bus via interfaces (ref.-no. IPR 300 SREG, IPS 300 SREG, 20320 1S IPS R, 2131 USBS REG, 2131 USBS), not included

**Product characteristics**

- Access from max. 20 different clients possible (with Windows 10)
- Integration of Amazon Alexa voice control via MyJUNG account
- Integration of Google Home voice control via MyJUNG account
- Secure remote access via MyJUNG account
- Update and upgrade compatible

**Process connections**

- KNX editor/ KNX editor 2.0
- instalight editor
- Device editor
- vitaLED editor
- XPL editor
- SENEK energy storage
- Process model
- Visualisation editor
- Work sheet generator
- Calendar
- JUNG Visu Pro Starter

**JUNG VISU PRO HOTEL**

The JUNG Visu Pro Hotel Software has interfaces to the property management systems Protel and Micros Fidelio (Oracle Hospitality). There is also an interface to Visionline available, the modern hotel locking system from Assa Abloy. In this way, hotel and control software are linked intelligently. The JUNG software enables you to connect up to 150 rooms with functions and processes such as check-in/check-out etc. with only one licence. Licences can be operated in parallel for larger systems. Linking these processes supports an efficient workflow. For example, it is possible via an app for Housekeeping to see which room has already been cleaned. Completed room cleaning can be documented by Housekeeping in real time and shared with colleagues.

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## Technical requirements

### Hardware

- As for Visu Pro Server (ref.-no.: JVP-SERVER-H2) or better

Please note: The performance of the hardware is one of the limiting factors for the project size.

### Operating systems

- Windows 10

### KNX editor

The Falcon driver of the KNX Association is used for the KNX bus.

The KNX connection requires a suitable version of the Falcon driver and the respective interfaces.

### Data import from ETS

- ETS5: use of project export of ETS
- ETS4: use of project export of ETS
- ETS3: use of OPC export of ETS
- ETS2 version 1.1, 1.2 and 1.3: files generated by "print export" can be read
- Previous ETS versions: not possible

### Special function HOTEL

Extension of the KNX editor to max. 150 KNX tunnel connections

Communication via KNX IP Secure Tunnelling

Integration of third-party systems:

- Door locking systems of Assa Abloy
  - Guest card identification
  - Staff card identification
  - Access counter / documentation
  - Evaluation of the door locking system
- Hotel booking software Protel PMS
  - Guest identification per room
  - Receive requests from the hotel room (e.g. Do not disturb, Make up room etc.)
  - Change the room temperature of the PMS system
- Oracle Hospitality OPERA or Oracle Hospitality Suite 8 PMS
  - Guest identification per room
  - Receive requests from the hotel room (e.g. Do not disturb, Make up room etc.)
  - Change the room temperature of the PMS system



# Floor pilot light AS / A range

Ref.-no.

## SCHUKO® socket 16 A / 250 V ~

### with LED floor pilot light

### with integrated brightness sensor

### with enhanced contact protection (shutter)

Screwless terminals for wires up to 2.5 mm<sup>2</sup>

Installation into flush box min. 63 mm (depth)

with white LEDs (colour temperature 4000 K)

Power consumption stand-by / ON: 0.3 / 0.5 W

Supporting frame, claws and claw screws are integrated into the earth protection.

### Thermoplastic (breakproof) high-gloss

ivory	A 1520-O LNW
white	A 1520-O WW LNW
black	A 1520-O SW LNW

### Thermoplastic (breakproof) lacquered

aluminium	A 1520-O AL LNW
champagne	A 1520-O CH LNW
mocha	A 1520-O MO LNW

### matt lacquered

matt snow white	A 1520-O WWM LNW
matt graphite black	A 1520-O SWM LNW
matt anthracite	A 1520-O ANM LNW

## LED floor pilot light

### with integrated brightness sensor

Screwless terminals for wires up to 2.5 mm<sup>2</sup>

Installation into flush box min. 63 mm (depth)

with white LEDs (colour temperature 4000 K)

Power consumption stand-by / ON: 0.3 / 0.5 W

Supporting frame, claws and claw screws are integrated into the earth protection.

### Thermoplastic (breakproof) high-gloss

ivory	A 1539-O LNW
white	A 1539-O WW LNW
black	A 1539-O SW LNW

### Thermoplastic (breakproof) lacquered

aluminium	A 1539-O AL LNW
champagne	A 1539-O CH LNW
mocha	A 1539-O MO LNW

### matt lacquered

matt snow white	A 1539-O WWM LNW
matt graphite black	A 1539-O SWM LNW
matt anthracite	A 1539-O ANM LNW



# Floor pilot light

## AS / A range

## LS range



Ref.-no.

### LED floor pilot light

Screwless terminals for wires up to 2.5 mm<sup>2</sup>

Installation into flush box min. 63 mm (depth)

with white LEDs (colour temperature 4000 K)

Power consumption (ON): 0.5 W

The floor pilot light can be switched via an external switch.

Supporting frame, claws and claw screws are integrated into the earth protection.

### Thermoplastic (breakproof) high-gloss

ivory	A 1539-OO LNW
white	A 1539-OO WW LNW
black	A 1539-OO SW LNW

### Thermoplastic (breakproof) lacquered

aluminium	A 1539-OO AL LNW
champagne	A 1539-OO CH LNW
mocha	A 1539-OO MO LNW

### matt lacquered

matt snow white	A 1539-OO WWM LNW
matt graphite black	A 1539-OO SWM LNW
matt anthracite	A 1539-OO ANM LNW

### SCHUKO® socket 16 A / 250 V ~

with LED floor pilot light

with integrated brightness sensor

with enhanced contact protection (shutter)

Screwless terminals for wires up to 2.5 mm<sup>2</sup>

Installation into flush box min. 63 mm (depth)

with white LEDs (colour temperature 4000 K)

Power consumption stand-by / ON: 0.3 / 0.5 W

Supporting frame, claws and claw screws are integrated into the earth protection.

### Thermoplastic (breakproof) high-gloss

ivory	LS 1520-O LNW
white	LS 1520-O WW LNW
light grey	LS 1520-O LG LNW
black	LS 1520-O SW LNW

### matt lacquered

matt snow white	LS 1520-O WWM LNW
matt graphite black	LS 1520-O SWM LNW

### metal colours (thermoplastic lacquered)

aluminium (lacquered)	AL 1520-O LNW
stainless steel (lacquered)	ES 1520-O LNW
anthracite (lacquered)	AL 1520-O AN LNW
dark (lacquered)	AL 1520-O D LNW
classic brass (lacquered)	ME 1520-O C LNW
antique brass (lacquered)	ME 1520-O AT LNW

# Floor pilot light

## LS range

Ref.-no.

### LED floor pilot light

#### with integrated brightness sensor

Screwless terminals for wires up to 2.5 mm<sup>2</sup>

Installation into flush box min. 63 mm (depth)

with white LEDs (colour temperature 4000 K)

Power consumption stand-by / ON: 0.3 / 0.5 W

Supporting frame, claws and claw screws are integrated into the earth protection.

#### Thermoplastic (breakproof) high-gloss

ivory	LS 1539-O LNW
white	LS 1539-O WW LNW
light grey	LS 1539-O LG LNW
black	LS 1539-O SW LNW

#### matt lacquered

matt snow white	LS 1539-O WWM LNW
matt graphite black	LS 1539-O SWM LNW

#### metal colours (thermoplastic lacquered)

aluminium (lacquered)	AL 1539-O LNW
stainless steel (lacquered)	ES 1539-O LNW
anthracite (lacquered)	AL 1539-O AN LNW
dark (lacquered)	AL 1539-O D LNW
classic brass (lacquered)	ME 1539-O C LNW
antique brass (lacquered)	ME 1539-O AT LNW

### LED floor pilot light

Screwless terminals for wires up to 2.5 mm<sup>2</sup>

Installation into flush box min. 63 mm (depth)

with white LEDs (colour temperature 4000 K)

Power consumption (ON): 0.5 W

The floor pilot light can be switched via an external switch.

Supporting frame, claws and claw screws are integrated into the earth protection.

#### Thermoplastic (breakproof) high-gloss

ivory	LS 1539-OO LNW
white	LS 1539-OO WW LNW
light grey	LS 1539-OO LG LNW
black	LS 1539-OO SW LNW

#### matt lacquered

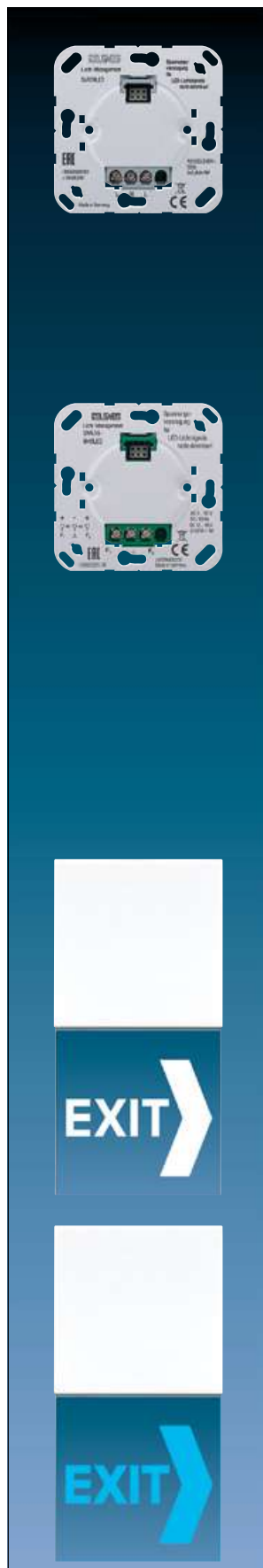
matt snow white	LS 1539-OO WWM LNW
matt graphite black	LS 1539-OO SWM LNW

#### metal colours (thermoplastic lacquered)

aluminium (lacquered)	AL 1539-OO LNW
stainless steel (lacquered)	ES 1539-OO LNW
anthracite (lacquered)	AL 1539-OO AN LNW
dark (lacquered)	AL 1539-OO D LNW
classic brass (lacquered)	ME 1539-OO C LNW
antique brass (lacquered)	ME 1539-OO AT LNW



# LED technology



Ref.-no.

## Power supply insert

screw fixing only, without claws

The LED power supply insert is exclusively used for LED pilot light and LED info signs (ref.-no. ..539..).

The device is not dimmable.

AC 230/240 V ~, 50 Hz

**SV 539 LED**

## Technical data

Rated voltage:	AC 230/240 V ~, 50 Hz
Ambient temperature:	0 ... +40 °C
Terminals:	L, N, L'
Protection class (with mounted cover):	II
Power consumption (with mounted cover):	typ. 2 x 5.4 VA / 2 x 1.0 W
Connection:	screw terminals
Terminals for:	2 x 2.5 mm <sup>2</sup> or 1 x 4 mm <sup>2</sup>

## Power supply insert

screw fixing only, without claws

The LED power supply insert is exclusively used for LED pilot light and LED info signs (ref.-no. ..539..).

The device is not dimmable.

AC 9 ... 36 V ~, 50 Hz; DC 12 ... 48 V

**SV 539-948 LED**

## Technical data

Rated voltage	
AC-mode operation:	AC 9 ... 36 V ~, 50 Hz
DC operation:	DC 12 ... 48 V
Ambient temperature:	0 ... +40 °C
Terminals:	F <sub>1</sub> , ⊥, F <sub>2</sub>
Protection class (with mounted cover):	II
Power consumption (with mounted cover)	
AC-mode operation:	2 x 1.5 VA
DC operation:	2 x 1.0 W
Connection:	screw terminals
Terminals for:	2 x 2.5 mm <sup>2</sup> or 1 x 4 mm <sup>2</sup>

## LED info sign

with neutral inscription field.

Dimensions: Info sign 71 x 71 mm (complete device 71 x 142 mm).

Operation only with power supply ref.-no. SV 539 LED or SV 539-948 LED.

For complete installation a frame of the respective design range (LS/AL/ES) is required.

## with white LEDs

white (aluminium lacquered)	<b>LS 539 N71WWLED W</b>
light grey (aluminium lacquered)	<b>LS 539 N71LGLED W</b>
black (aluminium lacquered)	<b>LS 539 N71SWLED W</b>

## metal versions

aluminium	<b>AL 2539 N71LED W</b>
stainless steel (aluminium lacquered)	<b>ES 2539 N71LED W</b>
anthracite (aluminium lacquered)	<b>AL 2539 N71AN LED W</b>

## LED info sign

with neutral inscription field.

Dimensions: Info sign 71 x 71 mm (complete device 71 x 142 mm).

Operation only with power supply ref.-no. SV 539 LED or SV 539-948 LED.

For complete installation a frame of the respective design range (LS/AL/ES) is required.

## with blue LEDs

white (aluminium lacquered)	<b>LS 539 N71WWLED B</b>
light grey (aluminium lacquered)	<b>LS 539 N71LGLED B</b>
black (aluminium lacquered)	<b>LS 539 N71SWLED B</b>

## metal versions

aluminium	<b>AL 2539 N71LED B</b>
stainless steel (aluminium lacquered)	<b>ES 2539 N71LED B</b>
anthracite (aluminium lacquered)	<b>AL 2539 N71AN LED B</b>

Ref.-no.

## LED info sign

with neutral inscription field.

Dimensions: Info sign 71 x 71 mm (complete device 71 x 142 mm).

Operation only with power supply ref.-no. SV 539 LED or SV 539-948 LED.

For complete installation a frame of the respective design range (LS/AL/ES) is required.

### with RGB LEDs

white (aluminium lacquered)	<b>LS 539 N71WW RGB</b>
light grey (aluminium lacquered)	<b>LS 539 N71LG RGB</b>
black (aluminium lacquered)	<b>LS 539 N71SW RGB</b>

### metal versions

aluminium	<b>AL 2539 N71 RGB</b>
stainless steel (aluminium lacquered)	<b>ES 2539 N71 RGB</b>
anthracite (aluminium lacquered)	<b>AL 2539 N71AN RGB</b>

The following colours can be selected with the 3-pole DIP switch on the reverse side of the device:

red, blue, green, purple, yellow, light blue, white

For individual inscriptions on LED info signs please visit our website

[www.jung.de/en](http://www.jung.de/en) > Service > LED Info signs – Inscription

## LED red/green pilot light

Operation only with power supply ref.-no. SV 539 LED or SV 539-948 LED.

Device with two light pads.

Connection of L and N for green LEDs, L' and N for red LEDs.

Inscription is possible with printings on transparent foil.

white (aluminium lacquered)	<b>LS 539-2 WW LED RG</b>
light grey (aluminium lacquered)	<b>LS 539-2 LG LED RG</b>
black (aluminium lacquered)	<b>LS 539-2 SW LED RG</b>

### metal versions

aluminium	<b>AL 2539-2 LED RG</b>
stainless steel (aluminium lacquered)	<b>ES 2539-2 LED RG</b>
anthracite (aluminium lacquered)	<b>AL 2539-2 AN LED RG</b>
classic brass	<b>ME 2539-2 LED RG C</b>
antique brass	<b>ME 2539-2 LED RG AT</b>

## LED pilot light

### with white and blue LEDs

Operation only with power supply ref.-no. SV 539 LED or SV 539-948 LED.

Connection of L and N for white LEDs, L' and N for blue LEDs.

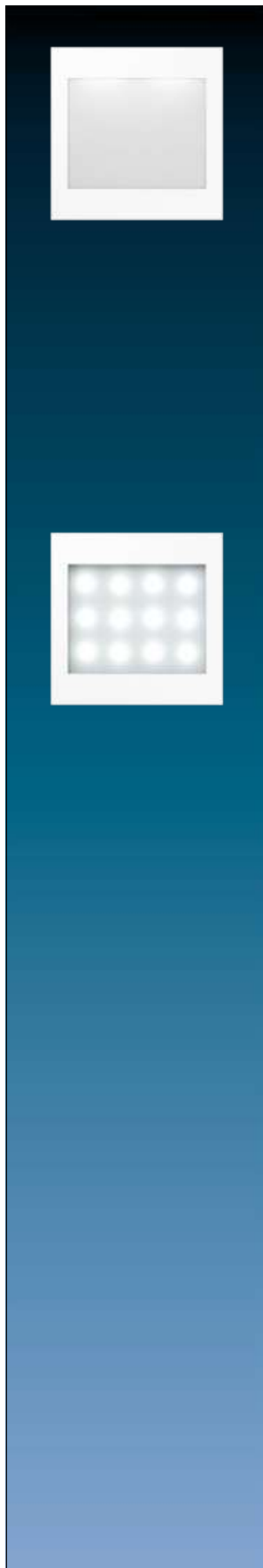
Inscription is possible with printings on transparent foil.

white (aluminium lacquered)	<b>LS 539 WW LEDWB</b>
light grey (aluminium lacquered)	<b>LS 539 LG LEDWB</b>
black (aluminium lacquered)	<b>LS 539 SW LEDWB</b>

### metal versions

aluminium	<b>AL 2539 LEDWB</b>
stainless steel (aluminium lacquered)	<b>ES 2539 LEDWB</b>
anthracite (aluminium lacquered)	<b>AL 2539 AN LEDWB</b>
classic brass (lacquered)	<b>ME 2539 LEDWB C</b>
antique brass (lacquered)	<b>ME 2539 LEDWB AT</b>





Ref.-no.

## LED pilot light with RGB LEDs

Operation only with power supply ref.-no. SV 539 LED or SV 539-948 LED.  
Connect L, L' and N or F<sub>1</sub>, F<sub>2</sub> and  $\perp$  of the power supply.  
Inscription is possible with printings on transparent foil.

white (aluminium lacquered)	<b>LS 539 WW RGB</b>
light grey (aluminium lacquered)	<b>LS 539 LG RGB</b>
black (aluminium lacquered)	<b>LS 539 SW RGB</b>

## metal versions

aluminium	<b>AL 2539 RGB</b>
stainless steel (aluminium lacquered)	<b>ES 2539 RGB</b>
anthracite (aluminium lacquered)	<b>AL 2539 AN RGB</b>
dark (aluminium lacquered)	<b>AL 2539 RGB D</b>
classic brass (lacquered)	<b>ME 2539 RGB C</b>
antique brass (lacquered)	<b>ME 2539 RGB AT</b>

The following colours can be selected with the 3-pole DIP switch on the reverse side of the device:  
red, blue, green, purple, yellow, light blue, white

## LED reading light with white LEDs

Operation only with power supply ref.-no. SV 539 LED or SV 539-948 LED.  
Connect L, L' and N or F<sub>1</sub>, F<sub>2</sub> and  $\perp$  of the power supply.

white (aluminium lacquered)	<b>LS 539 WW LED LW-12</b>
light grey (aluminium lacquered)	<b>LS 539 LG LED LW-12</b>
black (aluminium lacquered)	<b>LS 539 SW LED LW-12</b>

## metal versions

aluminium	<b>AL 2539 LED LW-12</b>
stainless steel (aluminium lacquered)	<b>ES 2539 LED LW-12</b>
anthracite (aluminium lacquered)	<b>AL 2539 AN LED LW-12</b>

Ref.-no.

## LED pilot light

for glass cover ref.-no.: .. CU KO6 TX ..

## LED KO6 TX 24

### Intended use

- LED pilot light for use in dry indoor areas
- Installation in flush box according to EN 60670-1

### Product characteristics

- Customised labelling, symbols or text in combination with glass cover
- Backlight in white, red, green or orange
- Color change via separate switch, e.g. ref.-no.: 505 U or 505 KO5 VEU M 24 (not included)

### Technical data

Rated voltage:	DC 24 V SELV
Rated capacity:	< 1.5 W
Ambient temperature:	-5 ... +45 °C



### Glass cover

for LED pilot light ref.-no.: LED KO6 TX 24



The cover is lacquered on the back and can be lasered individually using the Graphic Tool.

**Order only via Graphic Tool: [www.jung.de/gt](http://www.jung.de/gt)**

### for AS and A ranges

white	 <b>A CU KO6 TX WW</b>
black	 <b>A CU KO6 TX SW</b>

### for LS range



white	 <b>LS CU KO6 TX WW</b>
black	 <b>LS CU KO6 TX SW</b>

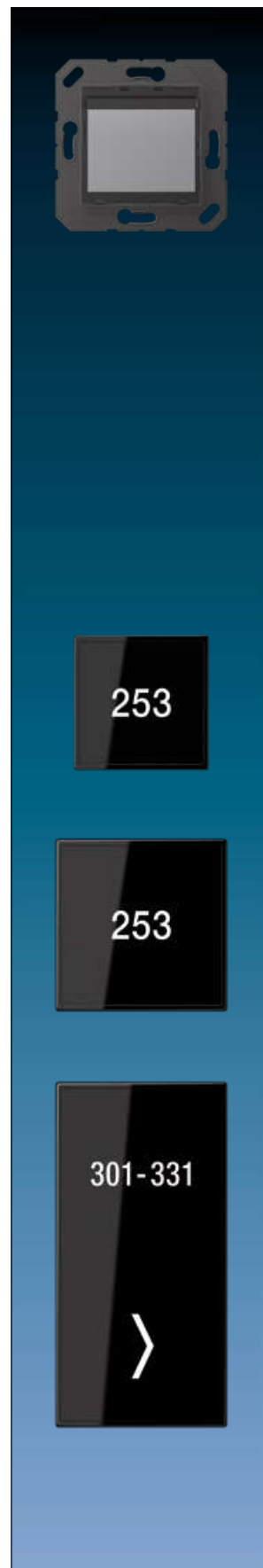
### Glass cover 2-gang

for 2 LED pilot lights ref.-no.: LED KO6 TX 24

The cover is lacquered on the back and can be lasered individually using the Graphic Tool.

**Order only via Graphic Tool: [www.jung.de/gt](http://www.jung.de/gt)**

white	 <b>LS CU KO6 TX-2 WW</b>
black	 <b>LS CU KO6 TX-2 SW</b>



# Plug & Light



**THE LIGHT SOCKET**

Plug & Light redefines interior lighting and makes light control incredibly easy. For perfectly dimmable LED light in the matching JUNG switch design. With Plug & Light, switch and light design comes from a single source and can therefore be specifically tailored to the interior.



## Light attachments

### PLUG & LIGHT LED SPOTLIGHT

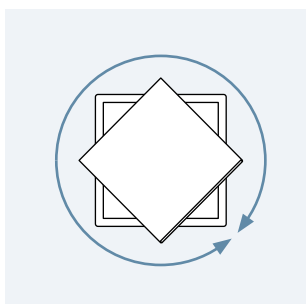
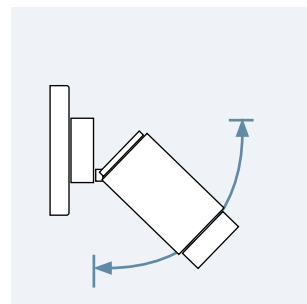
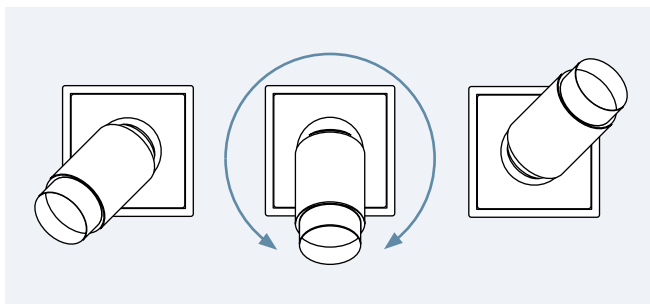
Matching with the switch designs, JUNG also offers two LED light attachments in addition to the light socket.

The Plug & Light spotlight has a three-stage adjustable glare protection and can produce the appropriate lighting effects on ceilings and walls.



### PLUG & LIGHT LED WALL LUMINAIRE

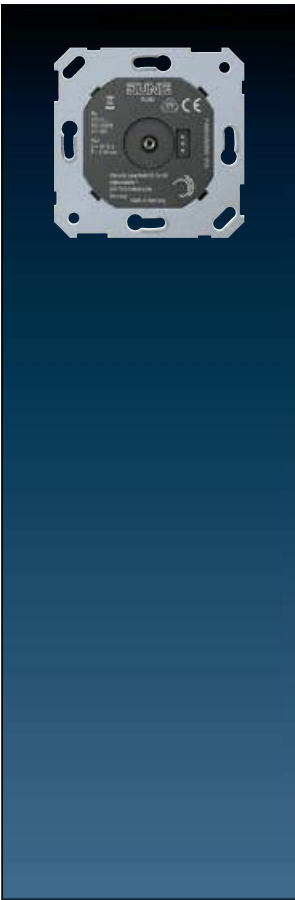
The design of the Plug & Light wall luminaire is reminiscent of a classic switch. With glare-free optics, it sets accent lighting or is used as work light. The light attachments guarantee optimum light distribution over the entire dimming range and can be rotated 360° without any stops.



### WARM DIM

Dimming like with a classic incandescent lamp.





Ref.-no.

## Power supply Plug & Light

**PL 08 U**

### Intended use

- Ballast for switching and dimming light attachments from the Plug & Light system
- Connection to switch, switch inserts with relay contact, electronic switch inserts (trailing edge phase control principle, ref.-no. 1704 ESE), 2-wire LED dimmer (trailing edge phase control principle) and 3-wire LED dimmer (trailing edge phase control principle)
- Compatible dimmers: 1224 LED UDE, 1710 DE, 1711 DE, 1730 DD, 1731 DD, 1724 DM, UD 1755 REG, ULZ 1755 REG, FM UD 420250 REG, FM UD 5500 REG, FM UD 20250 UP, 3901 REGHE, 3902 REGHE, 39004 1S R
- Installation in flush box according to EN 60670-1

### Product characteristics

- Automatic detection of the connected light attachments
- Safe extra low voltage SELV DC

### Technical data

Rated voltage:	AC 230 V ~
Mains frequency:	50/60 Hz
Stand-by power (without light attachment and dimmer):	380 mW
Output voltage:	12 V ± 600 mV
Input current:	typical 75 mA
Connected load:	max. 8 W
Power factor:	typical 0.6
Efficiency:	approx. 79 %
Connection:	screw terminals
Terminals for:	2.5 mm <sup>2</sup>
Protection class:	II
Ambient temperature:	+5 ... +35 °C
Storage/transport temperature:	-25 ... +70 °C



### PLUG-IN LIGHTING MOODS

The Plug & Light system is designed as a modular system. It consists of a flush-mounted insert with the electronics, a frame, the light socket and a light attachment. JUNG provides compatible frames and covers for Plug & Light. The switch ranges A 550, A CREATION, A FLOW, LS 990, LS DESIGN, LS PLUS and LS ZERO perfectly match the modern LED system.

The light attachment is held in place on the light socket by a strong magnet. Three gold-plated sliding contacts provide the necessary electrical connection. In addition to the power supply, the sliding contacts together with the attachment and light socket regulate the dimming process.

Ref.-no.

## Centre plate

for power supply Plug & Light, ref.-no.: PL 08 U

### Product characteristics

- Magnetic fixing of light attachments
- Mechanical securing of light attachments for ceiling mounting and as dismantling protection
- Electrical coupling via gold-plated sliding contacts

## for A range

### Thermoplastic (breakproof) high-gloss

white	PL A DMS WW
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black	PL A DMS SW
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### Thermoplastic (breakproof) lacquered

aluminium	PL A DMS AL
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## for LS range

### Thermoplastic (breakproof) high-gloss

white	PL LS DMS WW
-------	--------------

black	PL LS DMS SW
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### metal colours (thermoplastic lacquered)

aluminium (lacquered)	PL AL DMS-L
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stainless steel (lacquered)	PL ES DMS-L
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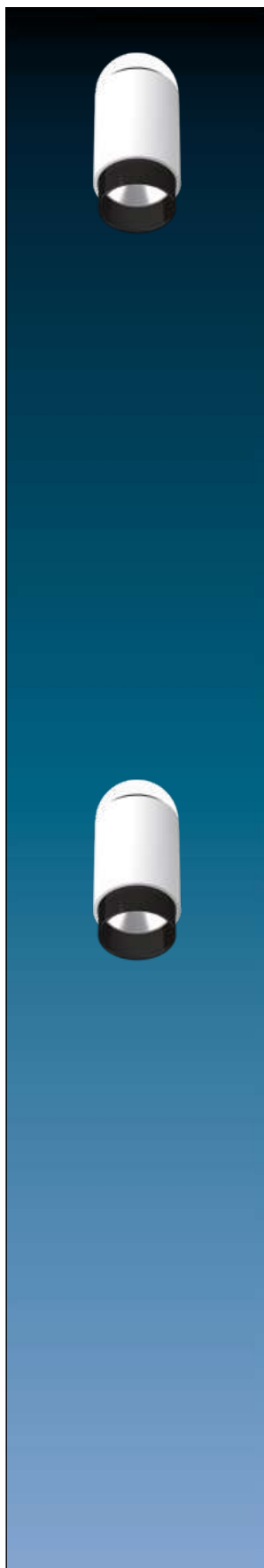
## Release magnet

for dismantling Plug & Light luminaires

can also be used to reset WLAN access points ref.-no. WLAN-AC-...

PL MAGNET 01





Ref.-no.

## LED spotlight Plug & Light

for power supply Plug & Light, ref.-no.: PL 08 U

white	<b>PL S1 D05 WW</b>
white – black	<b>PL S1 D05 WW SW</b>
black	<b>PL S1 D05 SW SW</b>
aluminium – black	<b>PL S1 D05 AL SW</b>

## Product characteristics

- Dimming with suitable LED dimmer at constant colour temperature of 2700 K • Symmetrical optics, beam angle of 35° • Flicker-free light over the entire dimming range • Light attachment can be changed during ongoing operation • Adjustable anti-glare ring via 3 latch positions (5, 10 and 15 mm) • Swivelling by 90° • Stepless rotation through 360°

## Technical data

Rated voltage:	DC 12 V SELV
Power consumption:	5.6 W
Connection mode:	electrical coupling via gold-plated sliding contacts
Protection class:	III
Luminous flux:	390 lm
Colour temperature:	2,700 K
Colour rendering index:	typical 85
Beam angle:	35 °
Diameter:	42 mm
Length without anti-glare ring:	80 mm
Length with anti-glare ring:	85 ... 95 mm
Housing material:	aluminium lacquered / plastic
Energy efficiency class:	A++ to A
This luminaire contains built-in LED lamps, which cannot be replaced.	

## LED spotlight (warm dim) Plug & Light

for power supply Plug & Light, ref.-no.: PL 08 U

white	<b>PL S1 WD05 WW</b>
white – black	<b>PL S1 WD05 WW SW</b>
black	<b>PL S1 WD05 SW SW</b>
aluminium – black	<b>PL S1 WD05 AL SW</b>

## Product characteristics

- Changing the colour temperature between 2700 K and 4000 K with simultaneous brightness increase from minimum to maximum, with suitable LED dimmer • Symmetrical optics, beam angle of 35° • Flicker-free light over the entire dimming range • Light attachment can be changed during ongoing operation • Adjustable anti-glare ring via 3 latch positions (5, 10 and 15 mm) • Swivelling by 90° • Stepless rotation through 360°

## Technical data

Rated voltage:	DC 12 V SELV
Power consumption:	5.6 W
Connection mode:	electrical coupling via gold-plated sliding contacts
Protection class:	III
Luminous flux:	350 lm
Colour temperature:	2,700 ... 4,000 K
Colour rendering index:	typical 85
Beam angle:	35 °
Diameter:	42 mm
Length without anti-glare ring:	80 mm
Length with anti-glare ring:	85 ... 95 mm
Housing material:	aluminium lacquered / plastic
Energy efficiency class:	A++ to A
This luminaire contains built-in LED lamps, which cannot be replaced.	

Ref.-no.

## LED wall luminaire Plug & Light

for power supply Plug & Light, ref.-no.: PL 08 U

### Thermoplastic (breakproof) high-gloss

white	PL F1 D05 WW
black	PL F1 D05 SW
<b>metal colours (thermoplastic lacquered)</b>	
aluminium (lacquered)	PL F1 D05 AL-L
stainless steel (lacquered)	PL F1 D05 ES-L

### Product characteristics

- Accent lighting or work light • Dimming with suitable LED dimmer at constant colour temperature of 2700 K
- Non-glare asymmetrical optics • Flicker-free light over the entire dimming range • Light attachment can be changed during ongoing operation • Stepless rotation through 360°

### Technical data

Rated voltage:	DC 12 V SELV
Power consumption:	4.1 W
Connection mode:	electrical coupling via gold-plated sliding contacts
Protection class:	III
Dimensions (W x H x D):	70 x 70 x 17 mm
Luminous flux:	290 lm
Colour temperature:	2,700 K
Colour rendering index:	typical 90
Beam angle:	asymmetrical light distribution
Energy efficiency class:	A++ to A
This luminaire contains built-in LED lamps, which cannot be replaced.	

## LED wall luminaire (warm dim) Plug & Light

for power supply Plug & Light, ref.-no.: PL 08 U

### Thermoplastic (breakproof) high-gloss

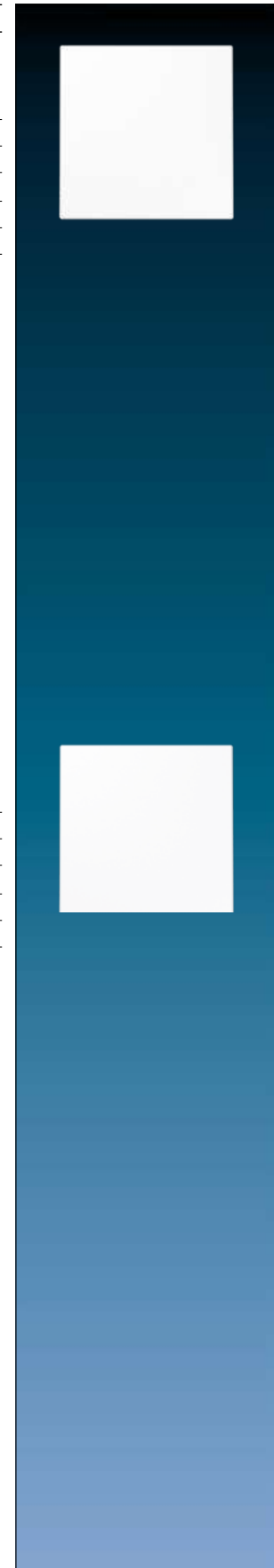
white	PL F1 WD05 WW
black	PL F1 WD05 SW
<b>metal colours (thermoplastic lacquered)</b>	
aluminium (lacquered)	PL F1 WD05 AL-L
stainless steel (lacquered)	PL F1 WD05 ES-L

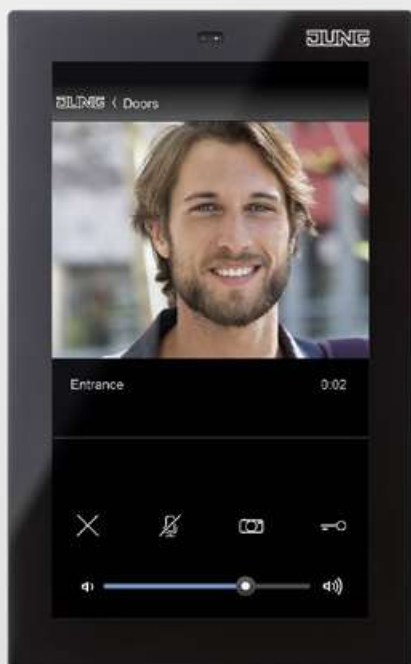
### Product characteristics

- Accent lighting or work light • Changing the colour temperature between 2700 K and 4000 K with simultaneous brightness increase from minimum to maximum, with suitable LED dimmer • Non-glare asymmetrical optics • Flicker-free light over the entire dimming range • Light attachment can be changed during ongoing operation • Stepless rotation through 360°

### Technical data

Rated voltage:	DC 12 V SELV
Power consumption:	4.1 W
Connection mode:	electrical coupling via gold-plated sliding contacts
Protection class:	III
Dimensions (W x H x D):	70 x 70 x 17 mm
Luminous flux:	290 lm
Colour temperature:	2,700 ... 4,000 K
Colour rendering index:	typical 90
Beam angle:	asymmetrical light distribution
Energy efficiency class:	A++ to A
This luminaire contains built-in LED lamps, which cannot be replaced.	





# Door communication

The elegant video and audio indoor stations in the JUNG design are impressive with their variety of design and function. Technically, they are perfectly compatible with Siedle door stations.

## VIDEO INDOOR STATION



LS 990 with chrome frame

## AUDIO INDOOR STATION



LS 990 in aluminium

## STANDARD INDOOR STATION



A CREATION with glass frame

Door communication with high standards: the JUNG video and audio indoor stations in switch design are impressive in their functionality and look. Not only do they have a particularly large selection of designs, they are also perfectly compatible with Siedle door

stations thanks to the use of Siedle system technology. The advantages: easy operation and a new variety of possibilities. The JUNG indoor stations fit in harmoniously with the rest of the electrical installation in the overall design.

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## Standard audio indoor station

### Product characteristics

- Calling, speech, door release, light, storey call, switching/control functions and internal communication
- 2-wire installation (J-Y(St)Y 2 x 2 x 0.8), protected against polarity reversal
- Speech button with green status LED
- Light and mute buttons are freely configurable. Button functions can be triggered without supplementary installation, e.g. for internal telephony, to initiate switching/control functions in conjunction with Siedle bus switching module BSM/BSE 650-..., selective dialling of door loudspeakers (outdoor stations)
- Using the BPS, a switching function can be configured to the door release button (in conjunction with the Siedle bus switching module BSM/BSE 650-..).
- Integrated audio privacy function
- Parallel switching (simultaneous calling) of max. 4 audio modules or audio indoor stations (from the 3rd device, Siedle BPS is required for programming)
- Speech connection possible at any time, also without a preceding door call
- Connection for Siedle In-Home bus
- Connection for storey call button
- Call generator with 11 ring tone melodies, including chime
- Ring tone volume adjustable in 5 steps up to 83 dB(A)
- Voice volume adjustable in 5 steps
- Programming manual, Plug+Play and using Siedle bus programming software (BPS), in accordance with the Siedle system manual
- Indoor station with handsfree communication
- Status indication during active speech connection
- Call silencing with status indication
- Call differentiation for storey call, 2 door calls and internal call
- Door release / light function at any time via the bus line
- 3 LEDs as indicators (e.g. door open) without additional wiring
- Ready status indicated by an LED
- Optical call indication by flashing LED at the speech button



	Ref.-no.
<b>Standard audio indoor station</b>	
stand alone device for surface mounting, no frame required	
<b>Thermoplastic (breakproof) high-gloss</b>	
ivory	<b>SI 4 A W</b>
white	<b>SI 4 A WW</b>
<b>Thermoplastic (breakproof) lacquered</b>	
aluminium	<b>SI 4 A AL</b>
• Dimensions (W x H x D): 58 x 129 x 21.5 mm	
<b>Conversion kit</b>	
for standard audio indoor station	
for installation with 2- to 5-gang frames of the AS and A ranges	
	<b>SI 46074 AD KIT</b>

## Standard audio indoor station Design for AS and A ranges

surface-mounted

The device can be installed into 2- to 5-gang frames.

### Thermoplastic (breakproof) high-gloss

ivory	<b>SI 4 AD W</b>
white	<b>SI 4 AD WW</b>

### Thermoplastic (breakproof) lacquered

aluminium	<b>SI 4 AD AL</b>
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## Audio indoor station

including cover kit and labelling foil

without frame

The modules of the indoor station can be installed into multiple frames (horizontally or vertically).

Installation in separate frames or surface caps is possible.

## Product characteristics

- Calling, speech, door release, light, storey call, switching/control functions and internal communication
- 2-wire installation (J-Y(St)Y 2 x 2 x 0.8), protected against polarity reversal
- Speech button with green status LED
- Light, mute and two function buttons are freely configurable. Button functions can be triggered without supplementary installation, e.g. for internal telephony, to initiate switching/control functions in conjunction with Siedle bus switching module BSM/BSE 650-..., selective dialling of door loudspeakers (outdoor stations)
- Using the BPS, a switching function can be configured to the door release button (in conjunction with the Siedle bus switching module BSM/BSE 650-..).
- Integrated audio privacy function
- Parallel switching (simultaneous calling) of max. 4 audio modules or audio indoor stations (from the 3rd device, Siedle BPS is required for programming)
- Speech connection possible at any time, also without a preceding door call
- High-quality sound and great loudspeaker dynamics
- Elektret condenser microphone
- Connection for Siedle In-Home bus
- Connection for storey call button
- Call generator with 11 ring tone melodies, including chime
- Ring tone volume adjustable in 5 steps up to 92 dB(A)
- Voice volume adjustable in 5 steps
- Programming manual, Plug+Play and using Siedle bus programming software (BPS), in accordance with the Siedle system manual
- Indoor station with handsfree communication
- Status indication during active speech connection
- Call silencing with status indication
- Call differentiation for storey call, 2 door calls and internal call
- Door release / light function at any time via the bus line
- Door call pickup
- Group formation for door calls. Each indoor station can belong to up to 4 groups in the same line
- Intercom functions:
  - Call forwarding
  - Internal group call
  - Automatic call pickup with internal call
  - Doormatic
- 5 LEDs as indicators (e.g. door open) without additional wiring
- Ready status indicated by an LED
- Optical call indication by flashing LED at the speech button
- Inscription field
- Labelling foils with symbols for audio and video included
- Audio connection cable (red, 220 mm) included

	Ref.-no.
<b>Audio indoor station for AS and A ranges</b>	
<b>Thermoplastic (breakproof) high-gloss</b>	
ivory	SI AI A 6 W
white	SI AI A 6 WW
black	SI AI A 6 SW
<b>Thermoplastic (breakproof) lacquered</b>	
aluminium	SI AI A 6 AL
champagne	SI AI A 6 CH
mocha	SI AI A 6 MO
<b>matt lacquered</b>	
matt anthracite	SI AI A 6 ANM
 <b>for CD range</b>	
<b>Thermoplastic (breakproof) high-gloss</b>	
ivory	SI AI CD 6 W
white	SI AI CD 6 WW
 <b>for LS range</b>	
<b>Thermoplastic (breakproof) high-gloss</b>	
ivory	SI AI LS 6 W
white	SI AI LS 6 WW
light grey	SI AI LS 6 LG
black	SI AI LS 6 SW
<b>metal versions</b>	
aluminium	SI AI AL 6
stainless steel	SI AI ES 6
anthracite (aluminium lacquered)	SI AI AL 6 AN
dark (aluminium lacquered)	SI AI AL 6 D



## Video indoor stations

including cover kit and labelling foil  
without frame

The modules of the indoor station can be installed into multiple frames (horizontally or vertically).  
Installation in separate frames or surface caps is possible.

A supplementary supply is required for the operation of the video indoor station. Recommendation:  
NG 706-30/33-0 from Siedle (see Siedle planning manual).

## Product characteristics

- TFT colour monitor
- Screen diagonal 55 mm (2.2") for A range and 70 mm (2.7") for CD and LS ranges
- 320 x 240 pixels
- Brightness and colour setting
- Video connection cable (black, 220 mm) included
- Calling, speech, vision, door release, light, storey call, switching/control functions and internal communication
- 2-wire installation, protected against polarity reversal; 2-pole supplementary supply required (J-Y(St)Y 2 x 2 x 0.8)
- Automatic video connection at door call
- Speech button with green status LED
- Light, mute, monitor and function button are freely configurable. Button functions can be triggered without supplementary installation, e.g. for internal telephony, to initiate switching/control functions in conjunction with Siedle bus switching module BSM/BSE 650-..., selective dialling of door loudspeakers (outdoor stations)/cameras
- Using the BPS, a switching function can be configured to the door release button (in conjunction with the Siedle bus switching module BSM/BSE 650-...).
- Integrated audio and video privacy function
- Parallel switching (simultaneous calling) of max. 16 video indoor stations (from the 3rd device, Siedle BPS is required for programming)
- Speech/video connection at any time, also without a preceding door call
- High-quality sound and great loudspeaker dynamics
- Elektret condenser microphone
- Connection for Siedle In-Home bus
- Connection for storey call button
- Call generator with 11 ring tone melodies, including chime
- Ring tone volume adjustable in 5 steps up to 92 dB(A)
- Voice volume adjustable in 5 steps
- Programming manual, Plug+Play and using Siedle bus programming software (BPS), in accordance with the Siedle system manual
- Indoor station with handsfree communication
- Status indication during active speech connection
- Call silencing with status indication
- Call differentiation for storey call, 2 door calls and internal call
- Door release / light function at any time via the bus line
- Door call pickup
- Group formation for door calls. Each indoor station can belong to up to 4 groups in the same line
- Intercom functions:
  - Call forwarding
  - Internal group call
  - Collective announcement
  - Automatic call pickup with internal call
  - Doormatic
- Connection for supplementary supply (required for operation of a video module, illumination of the inscription field in the universal push-button module, and when connecting a second push-button module)

Ref.-no.

## Video indoor station 2.2"

for AS and A ranges

**Thermoplastic (breakproof) high-gloss**

ivory	SI VI A 622 W
white	SI VI A 622 WW
black	SI VI A 622 SW

**Thermoplastic (breakproof) lacquered**

aluminium	SI VI A 622 AL
champagne	SI VI A 622 CH
mocha	SI VI A 622 MO

**matt lacquered**

matt anthracite	SI VI A 622 ANM
-----------------	-----------------

## Video indoor station 2.7"

for CD range

**Thermoplastic (breakproof) high-gloss**

ivory	SI VI CD 627 W
white	SI VI CD 627 WW

## Video indoor station 2.7"

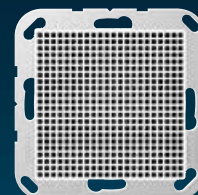
for LS range

**Thermoplastic (breakproof) high-gloss**

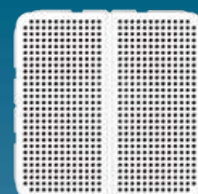
ivory	SI VI LS 627 W
white	SI VI LS 627 WW
light grey	SI VI LS 627 LG
black	SI VI LS 627 SW

**metal versions**

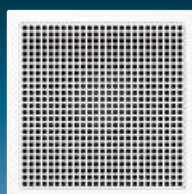
aluminium	SI VI AL 627
stainless steel	SI VI ES 627
anthracite (aluminium lacquered)	SI VI AL 627 AN
dark (aluminium lacquered)	SI VI AL 627 D



SI VI A 622 WW



SI VI CD 627 WW



SI VI LS 627 WW

	Ref.-no.
<b>Single components:</b>	
<b>Audio module</b>	
<b>Product characteristics</b>	
<ul style="list-style-type: none"> <li>• Can also be used as a secondary signal unit (bell)</li> <li>• Calling and storey call</li> <li>• 2-wire installation (J-Y(St)Y 2 x 2 x 0.8), protected against polarity reversal</li> <li>• Parallel switching (simultaneous calling) of max. 4 audio modules or audio indoor stations (from the 3rd device, Siedle BPS is required for programming)</li> <li>• High-quality sound and great loudspeaker dynamics</li> <li>• Elektret condenser microphone</li> <li>• Connection for Siedle In-Home bus</li> <li>• Connections for storey call button and to additional modules</li> <li>• Call generator with 11 ring tone melodies, including chime</li> <li>• Ring tone volume adjustable in 5 steps up to 92 dB(A)</li> <li>• Voice volume adjustable in 5 steps</li> <li>• Programming manual, Plug+Play and using Siedle bus programming software (BPS), in accordance with the Siedle system manual</li> <li>• Automatic call pickup with internal call</li> </ul>	
<b>for AS and A ranges</b>	
<b>Thermoplastic (breakproof) high-gloss</b>	
ivory	SI AM A 5 W
white	SI AM A 5 WW
black	SI AM A 5 SW
<b>Thermoplastic (breakproof) lacquered</b>	
aluminium	SI AM A 5 AL
champagne	SI AM A 5 CH
mocha	SI AM A 5 MO
<b>matt lacquered</b>	
matt anthracite	SI AM A 5 ANM
<b>for CD range</b>	
<b>Thermoplastic (breakproof) high-gloss</b>	
ivory	SI AM CD 5 W
white	SI AM CD 5 WW
<b>for LS range</b>	
<b>Thermoplastic (breakproof) high-gloss</b>	
ivory	SI AM LS 5 W
white	SI AM LS 5 WW
light grey	SI AM LS 5 LG
black	SI AM LS 5 SW
<b>metal versions</b>	
aluminium	SI AM AL 5
stainless steel	SI AM ES 5
anthracite (aluminium lacquered)	SI AM AL 5 AN
dark (aluminium lacquered)	SI AM AL 5 D

Ref.-no.

## Standard push-button module

for audio module and as extension module for a Universal push-button module

To be completed with cover kit 3-gang (ref.no.: .. 503 TSA ..)

### Product characteristics

- 5 LEDs as indicators (e.g. door open) without additional wiring
- Ready status indicated by an LED
- Optical call indication by flashing LED at the speech button
- Inscription field
- Labelling foils with symbols for audio and video included
- Audio connection cable (red, 220 mm) included

## for AS and A ranges

**SI TM A 5073**

Cover kit 3-gang see page 662

## for CD range

**SI TM CD 5073**

Cover kit 3-gang see page 665

## for LS range

**SI TM LS 5073**

Cover kit 3-gang see page 668



**SI TM A 5073**



**SI TM CD 5073**



**SI TM LS 5073**

Ref.-no.

## Universal push-button module

Is required for operation of a video module and when connecting a second push-button module (only in combination with supplementary supply, see Siedle planning manual).

To be completed with cover kit 3-gang (ref.no.: .. 503 TSA ..)

### Product characteristics

- 5 LEDs as indicators (e.g. door open) without additional wiring
- Ready status indicated by an LED
- Optical call indication by flashing LED at the speech button
- Inscription field can be illuminated
- Labelling foils with symbols for audio and video included
- Audio connection cable (red, 220 mm) included
- Connection for supplementary supply (required for operation of a video module, illumination of the inscription field in the universal push-button module, and when connecting a second push-button module)
- Connection for an additional push-button module (standard or universal, max. 2 push-button modules per indoor station)



SI TM A 5093

### for AS and A ranges

**SI TM A 5093**

Cover kit 3-gang see page 662



SI TM CD 5093

### for CD range

**SI TM CD 5093**

Cover kit 3-gang see page 665



SI TM LS 5093

### for LS range

**SI TM LS 5093**

Cover kit 3-gang see page 668



Ref.-no.

## Video module 2.2"

### Product characteristics

- TFT colour monitor
- Screen diagonal 55 mm (2.2")
- 320 x 240 pixels
- Brightness and colour setting
- Video connection cable (black, 220 mm) included
- Operation only in combination with universal push-button module and audio module

### for AS and A ranges

**SI VM 22 A**

## Video module 2.7"

### Product characteristics

- TFT colour monitor
- Screen diagonal 70 mm (2.7")
- 320 x 240 pixels
- Brightness and colour setting
- Video connection cable (black, 220 mm) included
- Operation only in combination with universal push-button module and audio module

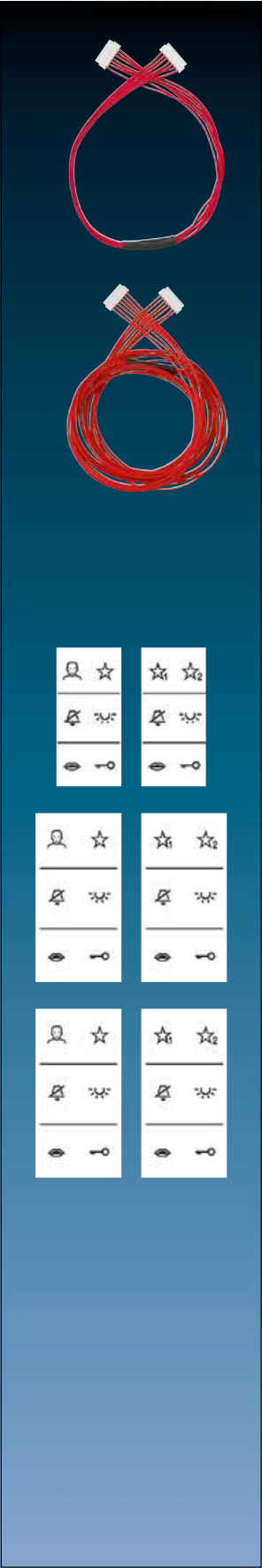
### for CD range

**SI VM 27 CD**

### for LS range

**SI VM 27 LS**





Ref.-no.

**Connection cable**

(Spare part)  
for connecting the modules in a multiple frame

red	audio	<b>SI AM-AK 22</b>
black	video	<b>SI VM-AK 22</b>

**Technical data**

Cable length: 220 mm

**Connection cable**

Using the optionally available connection cables, the modules can be positioned up to 500 mm apart from each other.

red	audio	<b>SI AM-AK 70</b>
black	video	<b>SI VM-AK 70</b>

**Technical data**

Cable length: 700 mm

**Labelling foil**

(Spare part)  
labelling foils with symbols, one for audio and one for video

**for AS and A ranges**

**SI AV 6 A**

**for CD range**

**SI AV 6 CD**

**for LS range**

**SI AV 6 LS**

Ref.-no.

## Symbol cover audio

### for AS and A ranges

with printed symbols

to clip on audio indoor station (ref.-no.: SI AI A 6 ..)

or push-button modules (ref.-no.: SI TM A 5073, SI TM A 5093)

dimensions: 25 x 55 mm

### Thermoplastic (breakproof) high-gloss

ivory	SI A6 A DC W
-------	--------------

white	SI A6 A DC WW
-------	---------------

black	SI A6 A DC SW
-------	---------------

### Thermoplastic (breakproof) lacquered

aluminium	SI A6 A DC AL
-----------	---------------

champagne	SI A6 A DC CH
-----------	---------------

mocha	SI A6 A DC MO
-------	---------------

### matt lacquered

matt anthracite	SI A6 A DC ANM
-----------------	----------------

## Symbol cover video

### for AS and A ranges

with printed symbols

to clip on video indoor station (ref.-no.: SI VI A 622 ..)

or push-button modules (ref.-no.: SI TM A 5073, SI TM A 5093)

dimensions: 25 x 55 mm

### Thermoplastic (breakproof) high-gloss

ivory	SI V6 A DC W
-------	--------------

white	SI V6 A DC WW
-------	---------------

black	SI V6 A DC SW
-------	---------------

### Thermoplastic (breakproof) lacquered

aluminium	SI V6 A DC AL
-----------	---------------

champagne	SI V6 A DC CH
-----------	---------------

mocha	SI V6 A DC MO
-------	---------------

### matt lacquered

matt anthracite	SI V6 A DC ANM
-----------------	----------------

## Symbol cover audio

### for CD range

with printed symbols

to clip on audio indoor station (ref.-no.: SI AI CD 6 ..)

or push-button modules (ref.-no.: SI TM CD 5073, SI TM CD 5093)

dimensions: 33 x 68 mm

### Thermoplastic (breakproof) high-gloss

ivory	SI A6 CD DC W
-------	---------------

white	SI A6 CD DC WW
-------	----------------

## Symbol cover video

### for CD range

with printed symbols

to clip on video indoor station (ref.-no.: SI VI CD 627 ..)

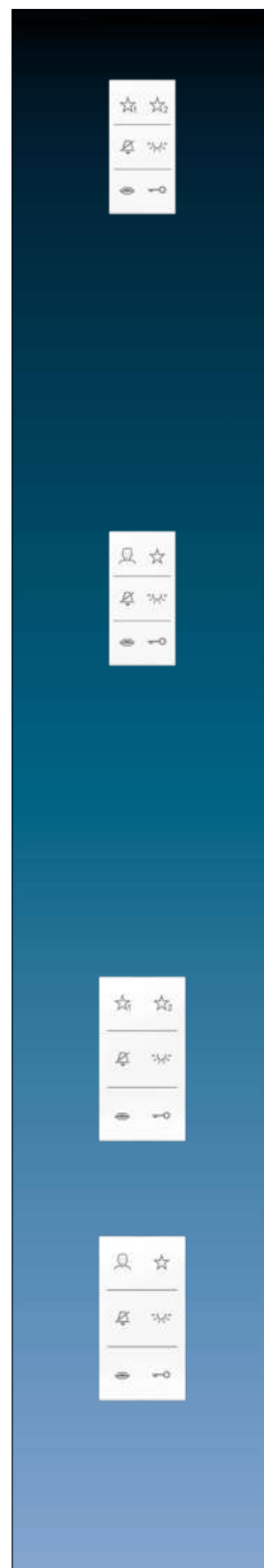
or push-button modules (ref.-no.: SI TM CD 5073, SI TM CD 5093)

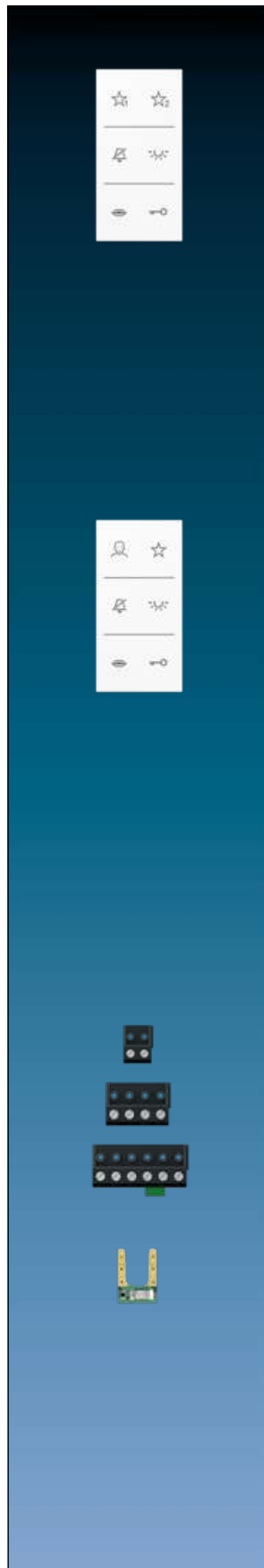
dimensions: 33 x 68 mm

### Thermoplastic (breakproof) high-gloss

ivory	SI V6 CD DC W
-------	---------------

white	SI V6 CD DC WW
-------	----------------





Ref.-no.

## Symbol cover audio

### for LS range

with printed symbols

to clip on audio indoor station (ref.-no.: SI AI LS 6 ..., SI AI AL 6 ..., SI AI ES 6)

or push-button modules (ref.-no.: SI TM LS 5073, SI TM LS 5093)

dimensions: 33 x 70.5 mm

### Thermoplastic (breakproof) high-gloss

ivory	SI A6 LS DC W
white	SI A6 LS DC WW
light grey	SI A6 LS DC LG
black	SI A6 LS DC SW

### metal colours (thermoplastic lacquered)

aluminium (lacquered)	SI A6 AL DC
stainless steel (lacquered)	SI A6 ES DC
anthracite (lacquered)	SI A6 AL DC AN
dark (lacquered)	SI A6 AL DC D

## Symbol cover video

### for LS range

with printed symbols

to clip on video indoor station (ref.-no.: SI VI LS 627 ..., SI VI AL 627, SI VI ES 627)

or push-button modules (ref.-no.: SI TM LS 5073, SI TM LS 5093)

dimensions: 33 x 70.5 mm

### Thermoplastic (breakproof) high-gloss

ivory	SI V6 LS DC W
white	SI V6 LS DC WW
light grey	SI V6 LS DC LG
black	SI V6 LS DC SW

### metal colours (thermoplastic lacquered)

aluminium (lacquered)	SI V6 AL DC
stainless steel (lacquered)	SI V6 ES DC
anthracite (lacquered)	SI V6 AL DC AN
dark (lacquered)	SI V6 AL DC D

other colours on request

## Connection block

(Spare part)

2-gang	SI KB 2
--------	---------

4-gang	SI KB 4
--------	---------

6-gang	SI KB 6
--------	---------

## Terminating resistor video

(Spare part)

A terminating resistor is connected between the TaM and TbM terminals of the audio module.

This terminating resistor is required if the modular indoor station is the last device in a video line.

If you loop the bus through the modular indoor station, this terminating resistor must be removed.

SI V-RC

## Smart Control 8 see page 699

	Ref.-no.
<b>Smart Control 5</b> for installation in walls, capacitive touch screen fanless, without rotating parts black	<b>SC 5 SW</b>

### Intended use

- Visualisation and operation of system statuses and information on building automation
- For vertical installation
- Installation in flush box according to EN 60670-1
- Ensure correct orientation when installing the flush box. Mounting screws must be in vertical alignment.

### Product characteristics

- KNX visualisation in combination with Visu Pro Server (ref.-no.: JVP-SERVER-H2)
- KNX visualisation in combination with Smart Visu Server (ref.-no.: SV-SERVER-INT)
- eNet visualisation in combination with eNet server for rail mounting (ref.-no.: ENET-SERVER) with software version 2.2 or higher
- Door call function only in combination with Siedle Smart Gateway SG 650-.. or SG 150-..
- High performance HD screen
- Proximity sensor
- Graphical user interface
- Brightness level of display adapts automatically to ambient brightness
- Smart Gateway with integrated image storage

### Technical data

Rated voltage:	DC 24 V SELV
Rated capacity:	12 W
Screen diagonal:	127 mm / 5"
Resolution:	720 x 1280
Frame dimensions (W x H):	81 x 132 mm
Power supply:	PoE acc. to IEEE 802.3af or DC 24 V via external power supply (not included)
Processor:	Cortex-A53
Loudspeaker:	integrated
Microphone:	integrated
LAN connections:	1 x 10/100 Mbit/s
Ambient temperature:	0 ... +30 °C

### Power supply for rail mounting

for Smart Control ref.-no.: SC 5 SW

Rail mounting device, 4 rail units

### Technical data

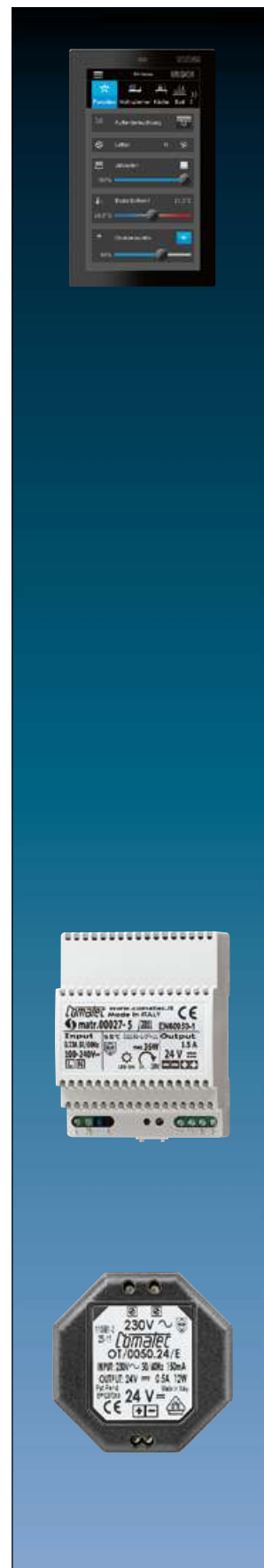
Input voltage:	AC 100 ... 240 V ~, 50/60 Hz
Input current:	730 mA
Output voltage:	DC 24 V SELV
Output current:	1.5 A
Mounting width:	72 mm (4 rail units)
Connection:	screw terminals

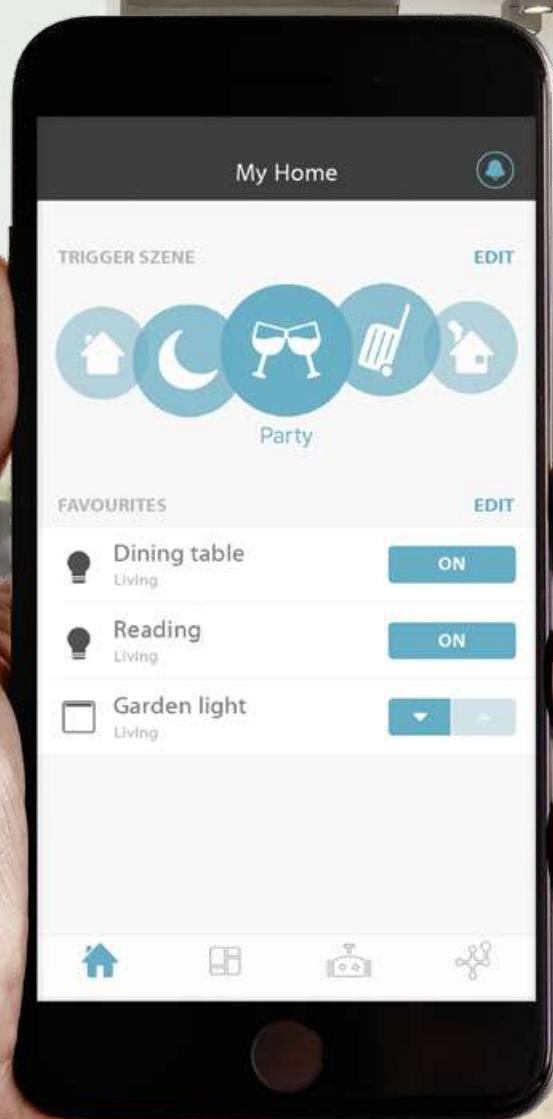
### Flush-mounted power supply

for Smart Control ref.-no.: SC 5 SW

### Technical data

Input voltage:	AC 230 V ~, 50/60 Hz
Input current:	150 mA
Output voltage:	DC 24 V
Output current:	500 mA
Dimensions (Ø x H):	54 x 32 mm
Connection:	screw terminals





# eNet SMART HOME

eNet SMART HOME is modern radio technology in a future-proof, networked system. It is operated via wall-mounted transmitters, touch displays, tablet and smartphone or via voice command – fully encrypted and secure, even for remote access.

## eNet SMART HOME connect

This is the browser-based set-up interface for installers. It links the eNet transmitters to the actuators and makes or defines settings and performs diagnostics.



## eNet SMART HOME app

The app is available in Android and iOS versions and enables operation of the eNet SMART HOME facility through a smartphone. Simple operation takes place through the home network or through remote access over the internet.



## eNet SMART HOME remote

The home under control at all times: users can always access their eNet installation via the eNet SMART HOME app even when on the move. Up to eight end devices can be used with one registration. The information security of the remote access eNet SMART HOME remote (backend API) is verified by VDE.



The remote service is available to the user free of charge for 12 months.

## eNet SMART HOME secure

The eNet SMART HOME is protected by targeted security measures. These include data security, the server location in Germany and protection against manipulation as well as pre-encrypted radio transmission.



## Secure communication

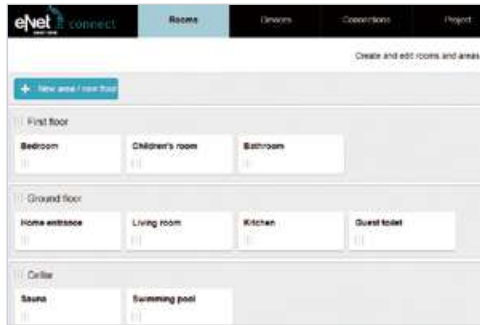
The information security of the remote access eNet SMART HOME remote (backend API) is verified by VDE.





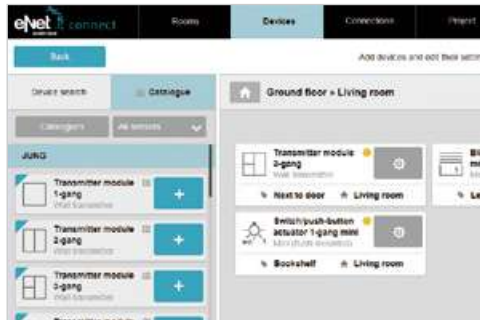
## Easy to set up

The browser-based eNet SMART HOME connect set-up interface is already integrated in the eNet Server. This makes it convenient to assign devices, functions and installations on the display. The documentation and processing of created projects are easily done. As soon as the computer and the eNet Server are connected with each other, the application can be started.



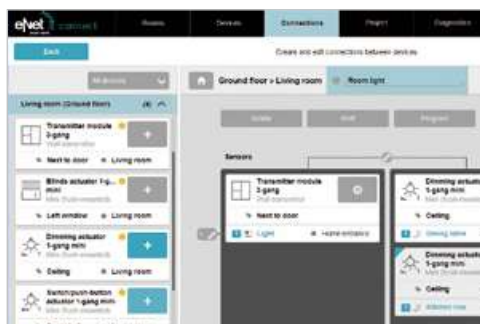
## CREATING ROOMS

The rooms for a project are created first. These can be freely named. Careful structure planning is important, as this is reflected 1:1 in the visualisation.



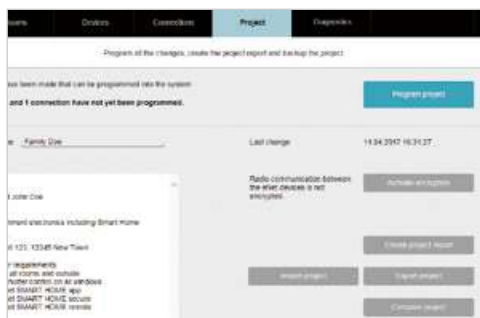
## FINDING DEVICES AND ALLOCATING TO ROOMS

The device search is used to add devices from the eNet system to the project. In this way, all devices in learning mode or that have been connected to the electrical supply in the last few minutes are found and displayed. Afterwards, the devices can be allocated to rooms and the device channels named individually as appropriate for their use.



## MAKING CONNECTIONS

Now, actuator and sensor channels are assigned to each other and functionally connected with each other. The devices networked in this way communicate with each other directly when operated, which results in a very robust, fail-safe function.



## WRITING AND EXPORTING PROJECTS

In the final step, the project design data are written to the devices. The app visualisation is generated automatically. In addition, the electrical installer can export the project, use it as a backup or as a template for future projects.

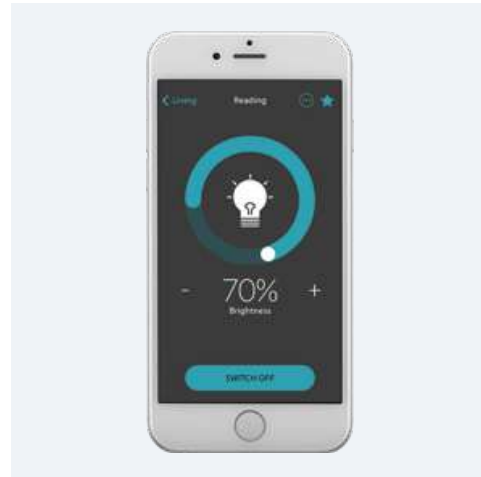


## Everything under mobile control

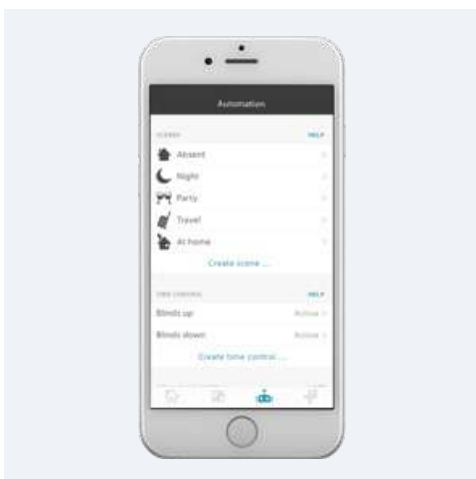
Control eNet SMART HOME from anywhere: simply via mobile app – whether in your own WLAN or via remote access. Including all settings affecting the Smart Home. Base: the eNet Server.



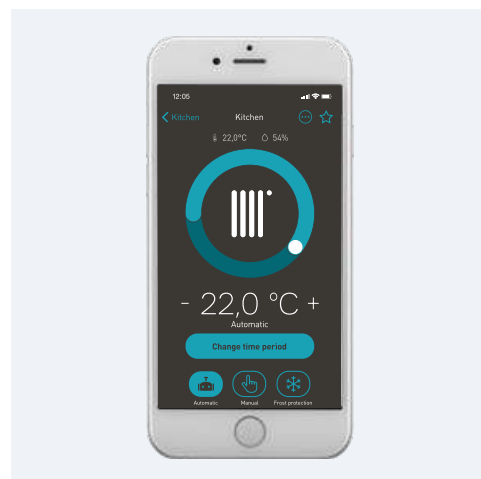
Display all rooms with their functions



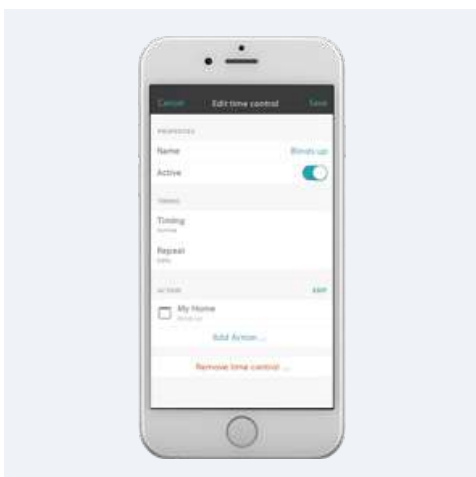
Simply record and control all functions



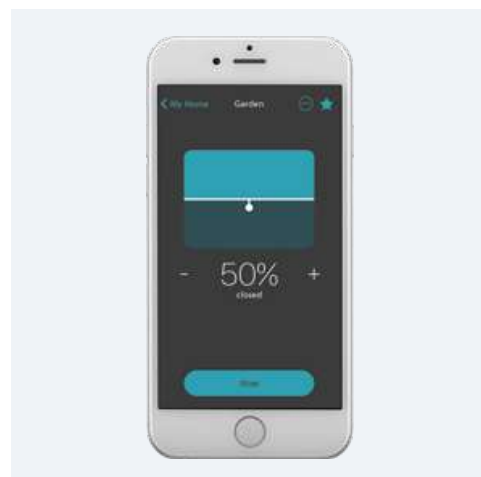
Combine functions into comfort scenes



Integrate smart heating control



Create time-controlled function sequences



Fingertip operation of all individual functions



Ref.-no.

**eNet radio hand-held transmitter****1-gang Toggle**

New system feature: Fully-encrypted radio transmission (AES-CCM) from eNet Server software version 2.0

anthracite

**FM HS 1 T****Intended use**

- Radio hand transmitter for radio transmission of switching, dimming, and blind movement commands
- Operation with radio actuators from the eNet system

**Product characteristics**

- One button for switching and dimming a channel
- Battery-powered device
- Status indication with LED
- Signalling of transmission errors can be switched off

**Can be set with eNet server**

- Scenes: All On, All Off, individual scenes
- Operating locks

**Supplementary functions with eNet server**

- Fully-encrypted radio transmission (AES-CCM) from eNet Server software version 2.0
- Update of the device software
- Reading of error memory

**Technical data**

Rated voltage:	DC 3 V
Battery type:	1 x lithium CR 2450N (included)
Ambient temperature:	-5 ... +45 °C
Dimensions (L x W x H):	55 x 40.5 x 15 mm
Radio frequency:	868.0 ... 868.6 MHz
Transmitting power:	max. 20 mW
Transmission range in free field:	typical 100 m
Receiver category:	2

**eNet radio hand-held transmitter****2-gang**

New system feature: Fully-encrypted radio transmission (AES-CCM) from eNet Server software version 2.0

anthracite

**FM HS 2****Intended use**

- Hand transmitter for radio transmission of switching, dimming, blind movement and scene commands
- Operation with radio actuators from the eNet system

**Product characteristics**

- Two adjacent buttons each belong to one channel
- Battery-powered device
- Status indication with LED
- Scenes, radio hand transmitter, 2x: All Off, three individual scenes
- Switch-on brightness of dimmer actuators can be saved
- Signalling of transmission errors can be switched off

**Can be set with eNet server**

- Scene All On
- Operating locks

**Supplementary functions with eNet server**

- Fully-encrypted radio transmission (AES-CCM) from eNet Server software version 2.0
- Update of the device software
- Reading of error memory

**Technical data**

Rated voltage:	DC 3 V
Battery type:	1 x lithium CR 2450N (included)
Ambient temperature:	-5 ... +45 °C
Dimensions (L x W x H):	55 x 40.5 x 15 mm
Radio frequency:	868.0 ... 868.6 MHz
Transmitting power:	max. 20 mW
Transmission range in free field:	typical 100 m
Receiver category:	2

Ref.-no.

## eNet radio hand-held transmitter

### 4-gang

New system feature: Fully-encrypted radio transmission (AES-CCM) from eNet Server software version 2.0

anthracite

**FM HS 4**

### Intended use

- Hand transmitter for radio transmission of switching, dimming, blind movement and scene commands
- Operation with radio actuators from the eNet system

### Product characteristics

- Two adjacent buttons each belong to one channel
- Status indication with LED
- Switch-on brightness of dimmer actuators can be saved
- Battery-powered device
- Scenes, radio hand transmitter, 4x: All Off, seven individual scenes
- Signalling of transmission errors can be switched off

### Can be set with eNet server

- Scene All On
- Operating locks

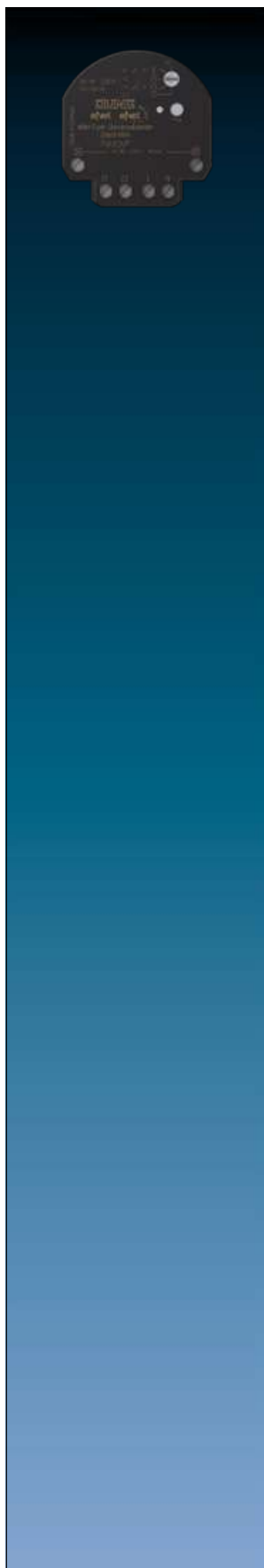
### Supplementary functions with eNet server

- Fully-encrypted radio transmission (AES-CCM) from eNet Server software version 2.0
- Update of the device software
- Reading of error memory

### Technical data

Rated voltage:	DC 3 V
Battery type:	1 x lithium CR 2450N (included)
Ambient temperature:	-5 ... +45 °C
Dimensions (L x W x H):	93 x 53 x 15.5 mm
Radio frequency:	868.0 ... 868.6 MHz
Transmitting power:	max. 20 mW
Transmission range in free field:	typical 100 m
Receiver category:	2





Ref.-no.

**eNet universal radio transmitter mini****2-gang**

New system feature: Fully-encrypted radio transmission (AES-CCM) from eNet Server software version 2.0

**FM US 2 UP****Intended use**

- Transmitter for radio communication of switching, dimming, blind movement and scene commands
- Activation by push-button, switch, shutter push-button, shutter switch or other devices with push-button contact or switching contact
- Installation in flush box according to EN 60670-1 in combination with a suitable cover
- Mounting in surface-mounted housing or mounting adapter (ref.-no. FM-EBG) for false ceilings
- Operation with radio actuators from the eNet system

**Product characteristics**

• Detection of voltage levels and changes on the input • Settable transmission behaviour • Connection for signal lamp – e.g. for connection of push-buttons with separate signal contact (ref.-no. 534 U) • Display of transmission status with status LED or signal lamp

Operating modes, settable with operating mode switch:

- 1-gang switching/dimming/blind • 1-gang automatic function • 2-gang switching/dimming/push-button operation • 2-gang automatic function
- Can be set with eNet server: • Fully-encrypted radio transmission (AES-CCM) from eNet Server software version 2.0 • Scenes: All On, All Off, individual scenes • 2-gang blind
- Operating locks • Setup connections enabled/disabled • Status for restraint • Repeater function • Update of the device software

**Single- and dual-area operation**

The operation of functions or electrical loads depends on the application and the connected components. The operation of the usual switching function follows if switches are connected. Two operating modes are used when push-buttons are connected: • Single-area operation – lighting: Switching lighting on or off or dimming it brighter/darker takes place alternately when the appropriate button is pressed repeatedly. • Dual-area operation – lighting: Two buttons form a function pair. Pressing the left button switches or dims lighting on or brighter, pressing the right one switches it off or makes it darker. • Single-area operation – blind: Upward or downward movement takes place alternately when the appropriate button is pressed repeatedly. • Dual-area operation – blind: Two buttons form a function pair. Pressing the left button moves a blind upwards, pressing the right one moves it downwards.

**Technical data**

Rated voltage:	AC 110 ... 230 V ~, 50/60 Hz
Stand-by power:	0.5 W
Ambient temperature:	–25 ... +70 °C
Inputs	
Cable length:	max. 100 m
Input current at rated voltage:	approx. 2 mA
Signal duration:	min. 200 ms
Signal lamp output	
Rated voltage (switching voltage):	AC 110 ... 230 V ~
Output current:	40 mA
Connection mode:	screw terminals
single wire:	1 x 0.75 ... 4 mm <sup>2</sup>
stranded with ferrule:	1 x 0.75 ... 2.5 mm <sup>2</sup>
Dimensions (Ø x H):	53 x 23 mm
Radio frequency:	868.0 ... 868.6 MHz
Transmitting power:	max. 20 mW
Transmission range in free field:	typical 100 m
Receiver category:	2

Ref.-no.

## eNet radio transmitter modules F 50

including mounting plate, adhesive film and fastening screw

New system feature: Fully-encrypted radio transmission (AES-CCM) from eNet Server software version 2.0

### Intended use

- Radio sensor for transmission of switching, dimming, blind movement and scene commands
- Operation with radio actuators from the eNet system
- Mounting on flush box according to EN 60670-1, screw fixing on walls or adhesive fixing on smooth, even surfaces (glass)

### Product characteristics

- Two adjacent buttons each belong to one channel
- Display of the actuator status for status poll by a green LED per channel
- Display of the transmission status by a red LED
- Switch-on brightness of dimmer actuators can be saved
- Battery-powered device (battery compartment accessible from front)
- Signalling of transmission errors can be switched off

Can be set with eNet server:

- Scene All On
- Operating locks

Supplementary functions with eNet server:

- Fully-encrypted radio transmission (AES-CCM) from eNet Server software version 2.0
- Update of the device software

### Technical data

Rated voltage:	DC 3 V
Battery type:	1 x lithium CR 2450N (included)
Ambient temperature:	-5 ... +45 °C
Radio frequency:	868.0 ... 868.6 MHz
Transmitting power:	max. 20 mW
Transmission range in free field:	typical 100 m
Receiver category:	2

## eNet radio transmitter modules F 50

### for AS and A ranges

#### eNet radio transmitter module 1-gang

including transparent cover ref.-no.: A 50 NA

for cover kit 1-gang, ref.-no.: A 501 TSA ..

FM A 5001 M

#### eNet radio transmitter module 2-gang

including transparent cover ref.-no.: A 50 NA

for cover kit 2-gang, ref.-no.: A 502 TSA ..

FM A 5002 M

#### eNet radio transmitter module 3-gang

including transparent cover ref.-no.: A 50 NA

for cover kit 3-gang, ref.-no.: A 503 TSA ..

FM A 5003 M

#### eNet radio transmitter module 4-gang

including transparent cover ref.-no.: A 50 NA

for cover kit 4-gang, ref.-no.: A 504 TSA ..

FM A 5004 M

Cover kits see page 662



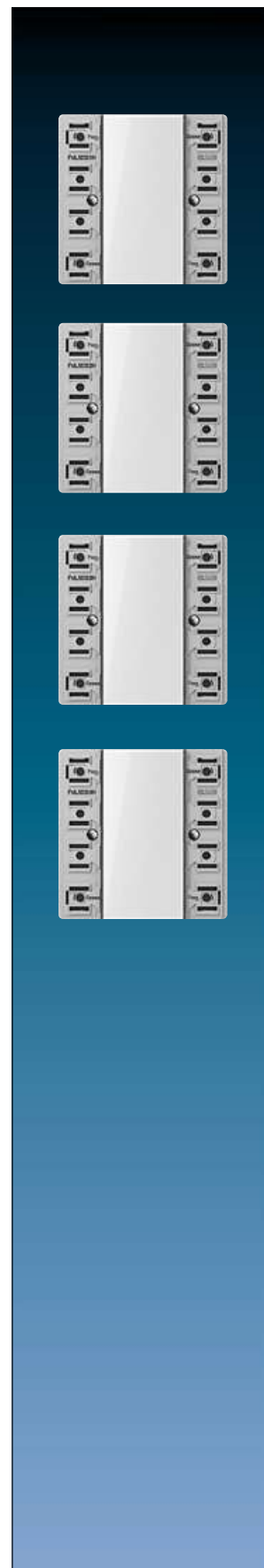


Ref.-no.	
<b>eNet radio transmitter modules F 50 for CD range</b>	
<b>eNet radio transmitter module 1-gang</b> including transparent cover ref.-no.: CD 50 NA for cover kit 1-gang, ref.-no.: CD 501 TSA ..	
FM CD 5001 M	
<b>eNet radio transmitter module 2-gang</b> including transparent cover ref.-no.: CD 50 NA for cover kit 2-gang, ref.-no.: CD 502 TSA ..	
FM CD 5002 M	
<b>eNet radio transmitter module 3-gang</b> including transparent cover ref.-no.: CD 50 NA for cover kit 3-gang, ref.-no.: CD 503 TSA ..	
FM CD 5003 M	
<b>eNet radio transmitter module 4-gang</b> including transparent cover ref.-no.: CD 50 NA for cover kit 4-gang, ref.-no.: CD 504 TSA ..	
FM CD 5004 M	

Cover kits see page 665

Ref.-no.
<b>eNet radio transmitter modules F 50 for LS range</b>  <b>eNet radio transmitter module 1-gang</b> including transparent cover ref.-no.: LS 50 NA for cover kit 1-gang, ref.-no.: ..501 TSA .. in the LS range Cannot be combined with frames in FLAT DESIGN.
<b>FM LS 5001 M</b>
<b>eNet radio transmitter module 2-gang</b> including transparent cover ref.-no.: LS 50 NA for cover kit 2-gang, ref.-no.: ..502 TSA .. in the LS range Cannot be combined with frames in FLAT DESIGN.
<b>FM LS 5002 M</b>
<b>eNet radio transmitter module 3-gang</b> including transparent cover ref.-no.: LS 50 NA for cover kit 3-gang, ref.-no.: ..503 TSA .. in the LS range Cannot be combined with frames in FLAT DESIGN.
<b>FM LS 5003 M</b>
<b>eNet radio transmitter module 4-gang</b> including transparent cover ref.-no.: LS 50 NA for cover kit 4-gang, ref.-no.: ..504 TSA .. in the LS range Cannot be combined with frames in FLAT DESIGN.
<b>FM LS 5004 M</b>

Cover kits see page 668





Ref.-no.

**eNet radio transmitter modules F 40**

New system feature: Fully-encrypted radio transmission (AES-CCM) from eNet Server software version 2.0

Adapter frames are included in delivery:

ref.-no. LS 4 AR for LS range (pre-mounted) and ref.-no. CD 4 AR for CD range.

AS / A ranges without adapter frame.

including mounting plate, adhesive film and fastening screw

Cannot be combined with frames in FLAT DESIGN.

**Intended use**

- Radio sensor for transmission of switching, dimming, blind movement and scene commands
- Operation with radio actuators from the eNet system
- Mounting on flush box according to EN 60670-1, screw fixing on walls or adhesive fixing on smooth, even surfaces (glass)

**Product characteristics**

- Each button is "divided" into an upper and lower half belonging to a channel
- Display of the actuator status for status poll by a green LED per channel
- Display of the transmission status by a red LED
- Switch-on brightness of dimmer actuators can be saved
- Battery-powered device
- Signalling of transmission errors can be switched off

Can be set with eNet server:

- Scene All On
- Operating locks

Supplementary functions with eNet server:

- Fully-encrypted radio transmission (AES-CCM) from eNet Server software version 2.0
- Update of the device software

**Technical data**

Rated voltage:	DC 3 V
Battery type:	1 x lithium CR 2450N (included)
Ambient temperature:	-5 ... +45 °C
Radio frequency:	868.0 ... 868.6 MHz
Transmitting power:	max. 20 mW
Transmission range in free field:	typical 100 m
Receiver category:	2

**eNet radio transmitter module 1-gang**

for cover kit 1-gang, ref.-no.: .. 401 TSA ..

for cover 1-gang with symbols, ref.-no.: .. 401 TSAP ..

**FM 4001 M****eNet radio transmitter module 2-gang**

for cover kit 2-gang, ref.-no.: .. 402 TSA ..

for cover 2-gang with symbols, ref.-no.: .. 402 TSAP ..

**FM 4002 M****eNet radio transmitter module 3-gang**

for cover kit 3-gang, ref.-no.: .. 403 TSA ..

for cover 2-gang with symbols, ref.-no.: .. 402 TSAP ..

for cover 4-gang with symbols, ref.-no.: .. 404 TSAP ..

**FM 4003 M****eNet radio transmitter module 4-gang**

for cover kit 4-gang, ref.-no.: .. 404 TSA ..

for cover 4-gang with symbols, ref.-no.: .. 404 TSAP ..

**FM 4004 M**

Cover kits see page 671 – 673



## eNet Standard radio centre plate

for LB Management inserts "blinds" ref.-no.: 1730 JE and 1731 JE  
for LB Management inserts "light" ref.-no.: 1701 SE, 1704 ESE, 1702 SE,  
1710 DE, 1711 DE, 1713 DSTE, 1723 NE

### Intended use

- Manual, radio-controlled and time-controlled operation of e.g. blinds, shutters, awnings, lighting or fans
- Transmitter for radio communication of switching, dimming and blind commands
- Operation with switch, dimmer or blinds insert or satellite insert 3-wire of the LB Management

### Product characteristics

- Status feedback to radio transmitter
- Status indication with LED
- Night mode
- Evaluation of satellite inputs

Functions in combination with blinds insert

- Positioning of the blind/shutter via scene request
- Position for sun protection and twilight
- Running time and ventilation position of the blind/shutter can be saved

Functions in combination with light insert

- Scene operation possible
- Switch-on brightness can be saved permanently when combined with flush-mounted inserts for dimming

Functions in combination with relay switch insert 2-channel

- Output a2 switches depending on output a1 e.g. to switch on ventilation, depending on the lighting, and switch it off with a delay.
- Switch-on delay of output a2 adjustable
- Run-on time of output a2 adjustable

Can be set with eNet server from version 2.2 (depending on insert):





- Repeater function
- Slat change-over time/fabric-stretching time
- Change-over time for direction change
- Running direction invertible
- Operating locks
- Deactivating extension evaluation
- Position for sun protection, twilight, lock-out protection and wind alarm
- Maximum brightness
- Minimum brightness
- Dimming speed
- Switch-on delay / switch-off delay
- Dim up/dim down ramp
- Switch-off warning
- Continuous on, Continuous off
- Hotel function
- Run-on time
- Light control

In order to use the eNet Standard radio centre plate, the eNet Server has to have at least version 2.3.

Supplementary functions with eNet server:

- Fully-encrypted radio transmission (AES-CCM)
- Update of the device software
- Reading of error memory



	Ref.-no.
<b>eNet Standard radio centre plate</b>	
<b>for AS range</b>	
<b>Duroplastic (scratch-proof) glossy</b>	
ivory	FM AS 1700
white	FM AS 1700 WW
<b>for A range</b>	
<b>Duroplastic (scratch-proof) glossy</b>	
white	FM A 1700 WW
black	FM A 1700 SW
<b>Duroplastic lacquered</b>	
aluminium	FM A 1700 AL
champagne	FM A 1700 CH
mocha	FM A 1700 MO
<b>Thermoplastic (breakproof) high-gloss</b>	
white	 FM A 1700 BF WW
black	 FM A 1700 BF SW
<b>matt lacquered</b>	
matt snow white	FM A 1700 BF WWM
matt graphite black	FM A 1700 BF SWM
matt anthracite	FM A 1700 BF ANM
<b>for CD range</b>	
<b>Duroplastic (scratch-proof) glossy</b>	
ivory	FM CD 1700
white	FM CD 1700 WW
brown	FM CD 1700 BR
grey	FM CD 1700 GR
light grey	FM CD 1700 LG
black	FM CD 1700 SW
<b>metal colours (duroplastic lacquered)</b>	
gold-bronze	FM CD 1700 GB
platinum	FM CD 1700 PT
<b>for LS range</b>	
<b>Duroplastic (scratch-proof) glossy</b>	
ivory	FM LS 1700
white	FM LS 1700 WW
light grey	FM LS 1700 LG
black	FM LS 1700 SW
<b>matt lacquered</b>	
matt snow white	FM LS 1700 WWM
matt graphite black	FM LS 1700 SWM
<b>metal versions</b>	
aluminium	 FM AL 1700
stainless steel	 FM ES 1700
anthracite (aluminium lacquered)	FM AL 1700 AN
dark (aluminium lacquered)	FM AL 1700 D
chrome	FM GCR 1700
gold-coloured	FM GO 1700
classic brass	FM ME 1700 C
antique brass	FM ME 1700 AT

	Ref.-no.
<b>eNet Standard radio centre plate "arrows"</b>	
<b>for AS range</b>	
<b>Duroplastic (scratch-proof) glossy</b>	
ivory	FM AS 1700 P
white	FM AS 1700 P WW
<b>for A range</b>	
<b>Duroplastic (scratch-proof) glossy</b>	
white	FM A 1700 P WW
black	FM A 1700 P SW
<b>Duroplastic lacquered</b>	
aluminium	FM A 1700 P AL
champagne	FM A 1700 P CH
mocha	FM A 1700 P MO
<b>Thermoplastic (breakproof) high-gloss</b>	
white	FM A 1700 BFP WW
black	FM A 1700 BFP SW
<b>matt lacquered</b>	
matt snow white	FM A 1700 BFP WWM
matt graphite black	FM A 1700 BFP SWM
matt anthracite	FM A 1700 BFP ANM
<b>for CD range</b>	
<b>Duroplastic (scratch-proof) glossy</b>	
ivory	FM CD 1700 P
white	FM CD 1700 P WW
brown	FM CD 1700 P BR
grey	FM CD 1700 P GR
light grey	FM CD 1700 P LG
black	FM CD 1700 P SW
<b>metal colours (duroplastic lacquered)</b>	
gold-bronze	FM CD 1700 P GB
platinum	FM CD 1700 P PT
<b>for LS range</b>	
<b>Duroplastic (scratch-proof) glossy</b>	
ivory	FM LS 1700 P
white	FM LS 1700 P WW
light grey	FM LS 1700 P LG
black	FM LS 1700 P SW
<b>matt lacquered</b>	
matt snow white	FM LS 1700 P WWM
matt graphite black	FM LS 1700 P SWM
<b>metal versions</b>	
aluminium	FM AL 1700 P
stainless steel	FM ES 1700 P
anthracite (aluminium lacquered)	FM AL 1700 P AN
dark (aluminium lacquered)	FM AL 1700 P D
chrome	FM GCR 1700 P
gold-coloured	FM GO 1700 P
classic brass	FM ME 1700 P C
antique brass	FM ME 1700 P AT



### eNet radio centre plate

for LB Management inserts "blinds" ref.-no.: 1730 JE and 1731 JE

for LB Management inserts "light" ref.-no.: 1701 SE, 1704 ESE, 1702 SE,  
1710 DE, 1711 DE, 1713 DSTE, 1723 NE

#### Intended use

- Manual, radio-controlled and time-controlled operation of e.g. blinds, shutters, awnings, lighting or fans
- Transmitter for radio communication of switching, dimming and blind commands
- Operation with switch, dimmer or blinds insert or satellite insert 3-wire of the LB Management

#### Product characteristics

- 2 switching times can be saved, which are repeated in a 24-hour cycle
- Disabling function
- Status feedback to radio transmitter
- Status indication with LED
- Night mode
- Evaluation of satellite inputs

Functions in combination with blinds insert

- Positioning of the blind/shutter via scene request
- Position for sun protection and twilight
- Running time and ventilation position of the blind/shutter can be saved

Functions in combination with light insert

- Scene operation possible
- Switch-on brightness can be saved permanently when combined with flush-mounted inserts for dimming

Functions in combination with relay switch insert 2-channel





- Output a2 switches depending on output a1 e.g. to switch on ventilation, depending on the lighting, and switch it off with a delay.
- Switch-on delay of output a2 adjustable
- Run-on time of output a2 adjustable

Can be set with eNet server from version 2.2 (depending on insert):

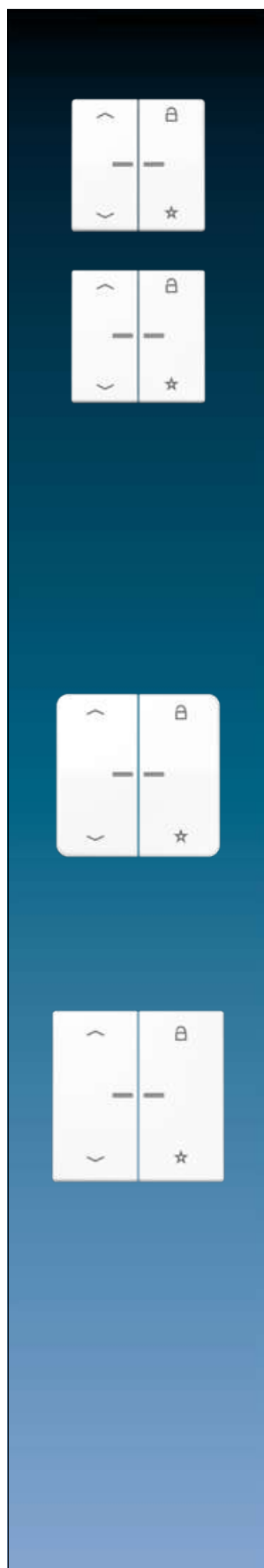
- Repeater function
- Slat change-over time/fabric-stretching time
- Change-over time for direction change
- Running direction invertible
- Operating locks
- Deactivating extension evaluation
- Position for sun protection, twilight, lock-out protection and wind alarm
- Maximum brightness
- Minimum brightness
- Dimming speed
- Switch-on delay / switch-off delay
- Dim up/dim down ramp
- Switch-off warning
- Continuous on, Continuous off
- Hotel function
- Run-on time
- Light control

Supplementary functions with eNet server:

- Fully-encrypted radio transmission (AES-CCM)
- Update of the device software
- Reading of error memory

	Ref.-no.
<b>eNet radio centre plate</b>	
<b>for AS range</b>	
<b>Duroplastic (scratch-proof) glossy</b>	
ivory	FM AS 1701
white	FM AS 1701 WW
<b>for A range</b>	
<b>Duroplastic (scratch-proof) glossy</b>	
white	FM A 1701 WW
black	FM A 1701 SW
<b>Duroplastic lacquered</b>	
aluminium	FM A 1701 AL
champagne	FM A 1701 CH
mocha	FM A 1701 MO
<b>Thermoplastic (breakproof) high-gloss</b>	
white	 FM A 1701 BF WW
black	 FM A 1701 BF SW
<b>matt lacquered</b>	
matt snow white	FM A 1701 BF WWM
matt graphite black	FM A 1701 BF SWM
matt anthracite	FM A 1701 BF ANM
<b>for CD range</b>	
<b>Duroplastic (scratch-proof) glossy</b>	
ivory	FM CD 1701
white	FM CD 1701 WW
brown	FM CD 1701 BR
grey	FM CD 1701 GR
light grey	FM CD 1701 LG
black	FM CD 1701 SW
<b>metal colours (duroplastic lacquered)</b>	
gold-bronze	FM CD 1701 GB
platinum	FM CD 1701 PT
<b>for LS range</b>	
<b>Duroplastic (scratch-proof) glossy</b>	
ivory	FM LS 1701
white	FM LS 1701 WW
light grey	FM LS 1701 LG
black	FM LS 1701 SW
<b>matt lacquered</b>	
matt snow white	FM LS 1701 WWM
matt graphite black	FM LS 1701 SWM
<b>metal versions</b>	
aluminium	 FM AL 1701
stainless steel	 FM ES 1701
anthracite (aluminium lacquered)	FM AL 1701 AN
dark (aluminium lacquered)	FM AL 1701 D
chrome	FM GCR 1701
gold-coloured	FM GO 1701
classic brass	FM ME 1701 C
antique brass	FM ME 1701 AT





Ref.-no.

**eNet radio centre plate "arrows"****for AS range****Duroplastic (scratch-proof) glossy**

ivory	FM AS 1701 P
white	FM AS 1701 P WW

**for A range****Duroplastic (scratch-proof) glossy**

white	FM A 1701 P WW
black	FM A 1701 P SW

**Duroplastic lacquered**

aluminium	FM A 1701 P AL
champagne	FM A 1701 P CH
mocha	FM A 1701 P MO

**Thermoplastic (breakproof) high-gloss**

white	FM A 1701 BFP WW
black	FM A 1701 BFP SW

**matt lacquered**

matt snow white	FM A 1701 BFP WWM
matt graphite black	FM A 1701 BFP SWM
matt anthracite	FM A 1701 BFP ANM

**for CD range****Duroplastic (scratch-proof) glossy**

ivory	FM CD 1701 P
white	FM CD 1701 P WW
brown	FM CD 1701 P BR
grey	FM CD 1701 P GR
light grey	FM CD 1701 P LG
black	FM CD 1701 P SW

**metal colours (duroplastic lacquered)**

gold-bronze	FM CD 1701 P GB
platinum	FM CD 1701 P PT

**for LS range****Duroplastic (scratch-proof) glossy**

ivory	FM LS 1701 P
white	FM LS 1701 P WW
light grey	FM LS 1701 P LG
black	FM LS 1701 P SW

**matt lacquered**

matt snow white	FM LS 1701 P WWM
matt graphite black	FM LS 1701 P SWM

**metal versions**

aluminium	FM AL 1701 P
stainless steel	FM ES 1701 P
anthracite (aluminium lacquered)	FM AL 1701 P AN
dark (aluminium lacquered)	FM AL 1701 P D
chrome	FM GCR 1701 P
gold-coloured	FM GO 1701 P
classic brass	FM ME 1701 P C
antique brass	FM ME 1701 P AT

Ref.-no.

## eNet radio brightness detector, solar-powered

New system feature: Fully-encrypted radio transmission (AES-CCM) from eNet Server software version 2.0

**FM FS 1 S**

### Intended use

- Sensor for brightness-dependent control of eNet actuators
- Mounting on window panes in indoor areas

### Product characteristics

- Triggers scenes when the set sun protection and twilight value is exceeded or undershot
- Temperature-dependent sun protection possible
- Scene buttons for sun protection and twilight
- Brightness measurement via brightness sensor
- Sends brightness values to the eNet server if brightness changes more than 50 %
- Test operation for adjusting protection and temperature threshold
- Solar-powered device
- Integrated battery as energy storage

Can be set with eNet server:

- Operating locks

Supplementary functions with eNet server:

- Fully-encrypted radio transmission (AES-CCM) from eNet Server software version 2.0
- Update of the device software
- Reading of error memory

### Sun protection

The sun protection function allows automatic lowering of a blind/shutter in strong sunlight. If a set sun protection value is exceeded for more than 2 minutes, the sun protection sensor transmits the "Sun protection" scene and the blinds move to their previously saved sun protection position. If the brightness falls below the set sun protection value for longer than 15 minutes, then the blind/shutter will move upwards again.

### Sun protection, temperature-dependent

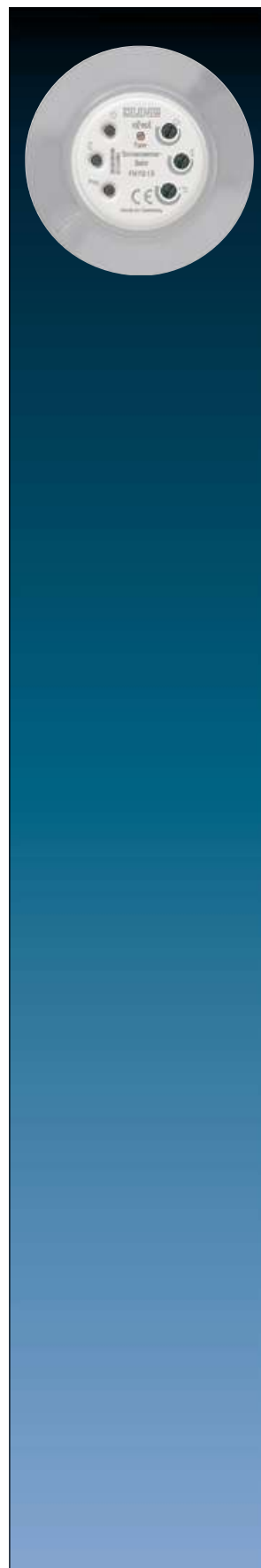
Temperature-dependent sun protection can primarily be used in the colder months of the year. The shading of the interior is triggered when the set temperature value is exceeded, in addition to the sun protection value. After triggering the sun protection, the temperature evaluation is deactivated.

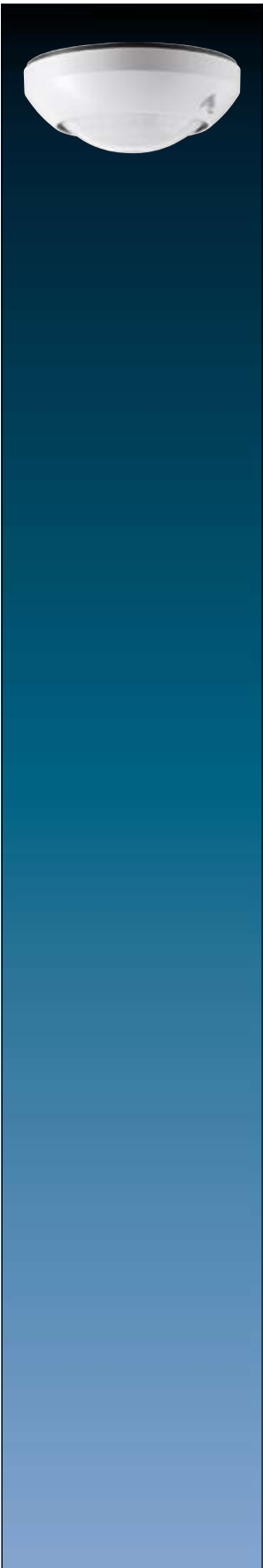
### Twilight

When darkness begins, the twilight function allows automatic lowering of a blind/shutter or lighting switching. If the set twilight value is undershot for more than 4 minutes, the "Twilight" scene is opened. If the set twilight threshold is exceeded for approx. 15 minutes, the blind/shutter moves upwards or the lighting switches. To allow the blind/shutter to move upwards automatically, also at dawn, position the sun sensor so that it is not in the shadow of the blind/shutter.

### Technical data

Ambient temperature:	-5 ... +45 °C
Brightness setting:	4,000 ... 80,000 lx
Twilight setting:	5 ... 250 lx
Temperature setting:	+15 ... +40 °C (and OFF)
Dimensions (Ø x H):	75 x 27 mm
Radio frequency:	868.0 ... 868.6 MHz
Transmitting power:	max. 20 mW
Transmission range in free field:	typical 100 m
Receiver category:	2





Ref.-no.	
<b>eNet motion detector</b>	
Battery-powered device for controlling eNet radio actuators	
white	<b>FM DW 360 WW</b>
<b>Intended use</b>	
<ul style="list-style-type: none"><li>• Automatic switching of lighting depending on the thermal movement and ambient brightness</li><li>• Operation only with radio actuators for switching or dimming of the eNet system</li><li>• Ceiling installation, surface mounting in dry indoor areas</li></ul>	
<b>Product characteristics</b>	
<ul style="list-style-type: none"><li>• LED for signalling</li><li>• Battery-powered device</li><li>• Brightness threshold adjustable</li><li>• Run-on time adjustable</li><li>• Sensitivity selectable</li></ul>	
Can be set with eNet server:	
<ul style="list-style-type: none"><li>• Disabling of manual commissioning</li><li>• Longer run-on time adjustable</li><li>• Brightness threshold adjustable</li><li>• Energy saving level</li><li>• Settable transmission behaviour</li></ul>	
Supplementary functions with eNet server:	
<ul style="list-style-type: none"><li>• Fully-encrypted radio transmission (AES-CCM)</li><li>• Operation with eNet server version 2.2 or higher</li><li>• Update of the device software</li><li>• Reading of error memory</li></ul>	
<b>Technical data</b>	
Rated voltage:	DC 6 V
Battery type:	4 x 1.5 V micro LR03 (AAA) alkaline (not included with supply)
Ambient temperature:	-5 ... +45 °C
Brightness setting:	approx. 5 ... 2,000 lx (and daytime operation)
Sensitivity:	25 ... 100 %
Shut-off delay:	approx. 10 s ... 30 min (with eNet server 60 min)
Mounting height:	2.50 m
Detection angle:	360°
Detection range	
Radial movement:	Ø approx. 5 m
Tangential movement:	Ø approx. 8 m
Dimensions (Ø x H):	103 x 42 mm
Transmission range in free field:	typical 100 m
Radio frequency:	868.0 ... 868.6 MHz
Transmitting power:	max. 20 mW
Receiver category:	2



Ref.-no.

## eNet radio energy detector 1-gang mini

New system feature: Fully-encrypted radio transmission (AES-CCM) from eNet Server software version 2.0

**FM ES 3680 UP**

### Intended use

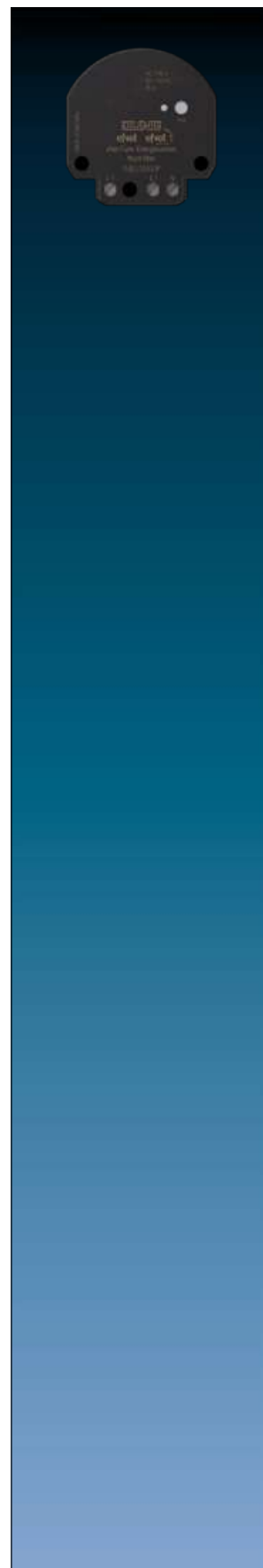
- Energy sensor for radio transmission of energy values
- Sensor for load-dependent control of eNet actuators with eNet server
- Operation with eNet server
- Installation in flush box according to EN 60670-1 in combination with a suitable cover
- Mounting in surface-mounted housing or mounting adapter (ref.-no. FM-EBG) for false ceilings

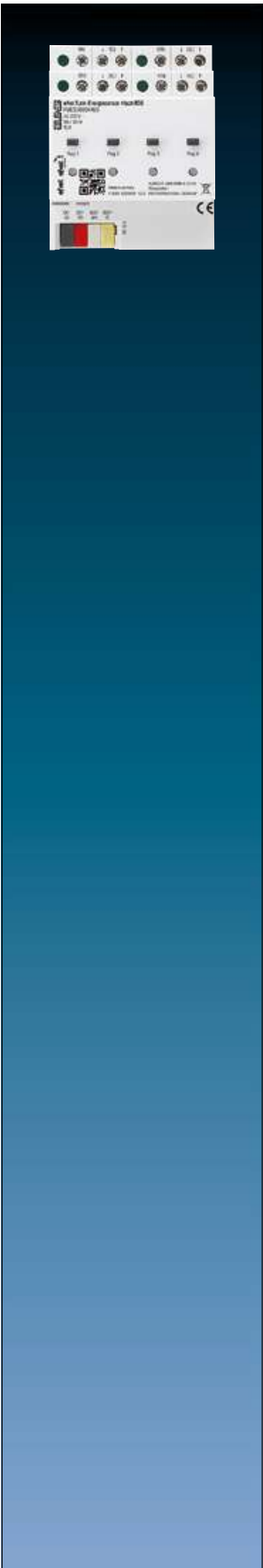
### Product characteristics

- Calculation of the active power and the active energy
- Event or time-controlled transmission of measured value telegrams to the eNet server
- Fully-encrypted radio transmission (AES-CCM) from eNet Server software version 2.0
- Update of the device software

### Technical data

Rated voltage:	AC 230 V ~, 50/60 Hz
Rated load current:	16 A
Peak current (1 s):	80 A
Peak current (1 min):	24 A
Power consumption:	max. 0.5 W
Transmission interval:	1 ... 60 min
Ambient temperature:	-25 ... +70 °C
Connection mode:	screw terminals
single wire:	1 x 0.75 ... 4 mm <sup>2</sup>
stranded with ferrule:	1 x 0.75 ... 2.5 mm <sup>2</sup>
Dimensions (Ø x H):	53 x 23 mm
Radio frequency:	868.0 ... 868.6 MHz
Transmitting power:	max. 20 mW
Transmission range in free field:	typical 100 m
Receiver category:	2
Measuring ranges	
Current:	0 mA ... 16 A
Accuracy (current):	± 0.5 % of the current value and ± 8 mA
Voltage:	207 ... 250 V
Accuracy (voltage):	± 0.5 % of the current value
Transmitted power and energy values	
Active power:	-4,000 ... 4,000 W
Apparent power:	0 ... 4000 VA
Reactive power:	-4,000 ... 4,000 var
Accuracy (power):	± 0.5 % of the current value and ± 2 W/VA/var
Active energy:	-99,999 ... 99,999 kWh





Ref.-no.

**eNet radio energy detector 4-gang, for rail mounting**

New system feature: Fully-encrypted radio transmission (AES-CCM) from eNet Server software version 2.0

**FM ES 36804 REG**

**Intended use**

- Energy sensor to determine energy values
- Sensor for load-dependent control of eNet actuators with eNet server
- Transfer of the measured values to the eNet server
- Operation with power supply (ref.-no. NT 1220 REG VDC) and receiver module (ref.-no. FM FK 32 REG) or eNet server
- Installation in distribution boxes on DIN rail according to EN 60715

**Product characteristics**

- Separate calculation of the active power and the active power for each measuring channel
- Event or time-controlled transmission of measured value telegrams to the eNet server
- Fully-encrypted radio transmission (AES-CCM) from eNet Server software version 2.0
- Update of the device software

**Technical data**

Rated voltage:	AC 230 V ~, 50/60 Hz
Rated load current:	16 A
Peak current (1 s):	80 A
Peak current (1 min):	24 A
Power consumption per channel:	225 mW
Ambient temperature:	-5 ... +45 °C
Transmission interval:	1 ... 60 min
Connection of load terminals:	screw terminals
single wire:	1 x 1.5 ... 4 mm <sup>2</sup>
stranded without ferrule:	1 x 0.75 ... 4 mm <sup>2</sup>
stranded with ferrule:	1 x 0.5 ... 2.5 mm <sup>2</sup>
Mounting width:	72 mm (4 rail units)
Bus line	
Rated voltage:	DC 12 V SELV
Current consumption:	10 mA
Connection bus:	terminal
Cable length:	max. 3 m
Measuring ranges per channel	
Current:	0 mA ... 16 A
Accuracy (current):	± 0.5 % of the current value and ± 8 mA
Voltage:	207 ... 250 V
Accuracy (voltage):	± 0.5 % of the current value
Transmitted power and energy values	
Active power:	-4,000 ... 4,000 W
Apparent power:	0 ... 4000 VA
Reactive power:	-4,000 ... 4,000 var
Accuracy (power):	± 0.5 % of the current value and ± 2 W/VA/var
Active energy:	-99,999 ... 99,999 kWh

Ref.-no.

## eNet radio switch/push-button actuator 1-gang mini

New system feature: Fully-encrypted radio transmission (AES-CCM) from eNet Server software version 2.0

### FM AS 10 UP

#### Intended use

- Switching of lighting
- Operation with suitable eNet radio transmitters
- Installation in flush box according to EN 60670-1 in combination with a suitable cover
- Mounting in surface-mounted housing or mounting adapter (ref.-no. FM-EBG) for false ceilings

#### Product characteristics

- Operating mode switch for: switch/push-button actuator or parameterisation via eNet server
- Status feedback to radio transmitter
- Scene operation possible
- Switchable output with **Prog** button
- Status indication with LED

#### Switching operation:

- Switch-on telegram: Device switches on
- Switch-off telegram: Device switches off

#### Push-button operation:

- Relay contact remains closed as long as ON or OFF telegrams are being received
- The maximum switch-on time is 60 seconds

#### Can be set with eNet server:

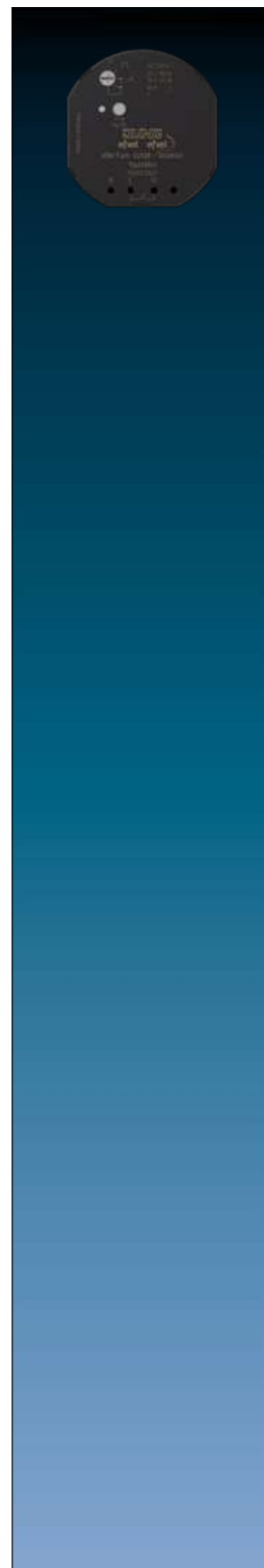
- Flash function
- Run-on time
- Switch-on delay / switch-off delay
- Operation as NO or NC contacts
- Switch-off warning
- Minimum switching repeat time
- Operating locks
- Continuous on, Continuous off

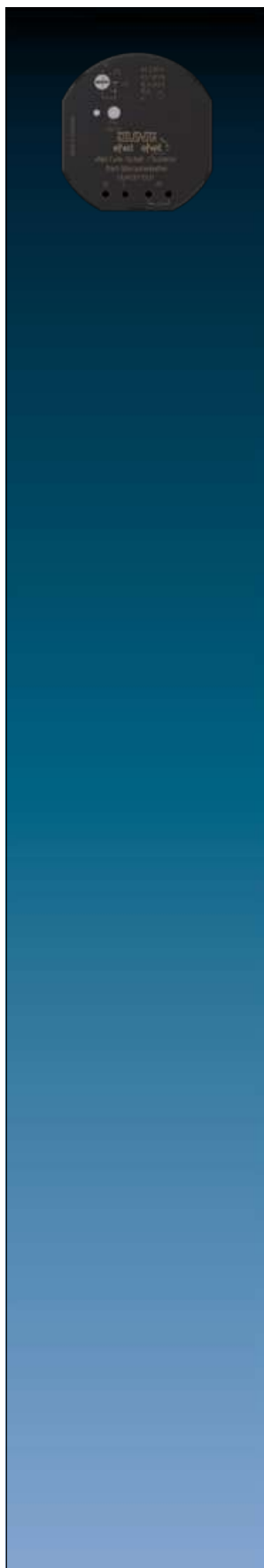
#### Supplementary functions with eNet server:

- Fully-encrypted radio transmission (AES-CCM) from eNet Server software version 2.0
- Update of the device software
- Repeater function
- Reading of error memory

#### Technical data

Rated voltage:	AC 230 V ~, 50/60 Hz
Ambient temperature:	-25 ... +70 °C
Switching current at 35 °C	
Ohmic:	16 A (AC1)
For switching current > 10 A connecting cable 2.5 mm <sup>2</sup>	
Fluorescent lamps:	4 AX
Contact type:	μ
Stand-by power:	0.5 W
Connected load at 35 °C	
Incandescent lamps:	2300 W
HV halogen lamps:	2000 W
Electronic transformers:	1500 W
Inductive transformers:	1000 VA
HV LED lamps:	typical 500 W
Compact fluorescent lamps:	typical 500 W
Fluorescent lamps	
non-compensated:	920 VA
Capacitive load:	690 VA (560 μF)
Connection mode:	screw terminals
single wire:	1 x 0.75 ... 4 mm <sup>2</sup>
stranded with ferrule:	1 x 0.75 ... 2.5 mm <sup>2</sup>
Dimensions (Ø x H):	53 x 28 mm
Radio frequency:	868.0 ... 868.6 MHz
Transmitting power:	max. 20 mW
Transmission range in free field:	typical 100 m
Receiver category:	2





Ref.-no.

**eNet radio switch/push-button actuator with floating contact, 1-gang mini**

New system feature: Fully-encrypted radio transmission (AES-CCM) from eNet Server software version 2.0

**FM AS PF 10 UP****Intended use**

- Switching of lighting
- Operation with suitable eNet radio transmitters
- Installation in flush box according to EN 60670-1 in combination with a suitable cover
- Mounting in surface-mounted housing or mounting adapter (ref.-no. FM-EBG) for false ceilings

**Product characteristics**

- Operating mode switch for: switch/push-button actuator or parameterisation via eNet server
- Status feedback to radio transmitter
- Scene operation possible
- Switchable output with **Prog** button
- Status indication with LED

**Switching operation:**

- Switch-on telegram: Device switches on
- Switch-off telegram: Device switches off

**Push-button operation:**

- Relay contact remains closed as long as ON or OFF telegrams are being received
- The maximum switch-on time is 60 seconds

**Can be set with eNet server:**

- Flash function
- Run-on time
- Switch-on delay / switch-off delay
- Operation as NO or NC contacts
- Switch-off warning
- Minimum switching repeat time
- Operating locks
- Continuous on, Continuous off

**Supplementary functions with eNet server:**

- Fully-encrypted radio transmission (AES-CCM) from eNet Server software version 2.0
- Update of the device software
- Repeater function
- Reading of error memory

**Technical data**

Rated voltage:	AC 230 V ~, 50/60 Hz
Ambient temperature:	-25 ... +70 °C
Switching current at 35 °C	
Ohmic:	16 A (AC1)
For switching current > 10 A connecting cable 2.5 mm <sup>2</sup>	
Fluorescent lamps:	4 AX
Contact type:	μ
Stand-by power:	0.5 W
Connected load at 35 °C	
Incandescent lamps:	2300 W
HV halogen lamps:	2000 W
Electronic transformers:	1500 W
Inductive transformers:	1000 VA
HV LED lamps:	typical 500 W
Compact fluorescent lamps:	typical 500 W
Fluorescent lamps	
non-compensated:	920 VA
Capacitive load:	690 VA (560 μF)
Connection mode:	screw terminals
single wire:	1 x 0.75 ... 4 mm <sup>2</sup>
stranded with ferrule:	1 x 0.75 ... 2.5 mm <sup>2</sup>
Dimensions (Ø x H):	53 x 28 mm
Radio frequency:	868.0 ... 868.6 MHz
Transmitting power:	max. 20 mW
Transmission range in free field:	typical 100 m
Receiver category:	2

Ref.-no.

## eNet radio switch/push-button actuator 2-gang mini

New system feature: Fully-encrypted radio transmission (AES-CCM) from eNet Server software version 2.0

### FM AS 26 UP

#### Intended use

- Switching of lighting and single-phase motors
- Operation with suitable eNet radio transmitters
- Installation in flush box according to EN 60670-1 in combination with a suitable cover
- Mounting in surface-mounted housing or mounting adapter (ref.-no. FM-EBG) for false ceilings

#### Product characteristics

- Operating mode switch for: switch/push-button actuator together for both outputs or parameterisation via eNet server
- Independent switching of two electrical loads
- Status feedback to radio transmitter
- Scene operation possible
- Status indication with LED

#### Switching operation:

- Switch-on telegram: Device switches on
- Switch-off telegram: Device switches off

#### Push-button operation:

- Relay contact remains closed as long as ON or OFF telegrams are being received
- The maximum switch-on time is 60 seconds

#### Can be set with eNet server for each output:

- Flash function
- Run-on time
- Switch-on delay / switch-off delay
- Operation as NO or NC contacts
- Switch-off warning
- Minimum switching repeat time
- Operating locks
- Continuous on, Continuous off

#### Supplementary functions with eNet server:

- Fully-encrypted radio transmission (AES-CCM) from eNet Server software version 2.0
- Update of the device software
- Repeater function
- Reading of error memory

#### Technical data

Rated voltage: AC 230 V ~, 50/60 Hz

Ambient temperature: -25 ... +70 °C

Switching current at 35 °C

Ohmic: 16 A (AC1)

For switching current > 10 A connecting cable 2.5 mm<sup>2</sup>

Current carrying capacity of device:  $\Sigma$  16 A

Fluorescent lamps: 4 AX

Contact type:  $\mu$

Stand-by power: max. 0.5 W

Connected load per output at 35 °C

Incandescent lamps: 2300 W

HV halogen lamps: 2000 W

Electronic transformers: 1500 W

Inductive transformers: 1000 VA

HV LED lamps: typical 500 W

Compact fluorescent lamps: typical 500 W

Fluorescent lamps

non-compensated: 920 VA

Motors: 450 VA

Capacitive load: 690 VA (560  $\mu$ F)

Connection mode: screw terminals

single wire: 1 x 0.75 ... 4 mm<sup>2</sup>

stranded with ferrule: 1 x 0.75 ... 2.5 mm<sup>2</sup>

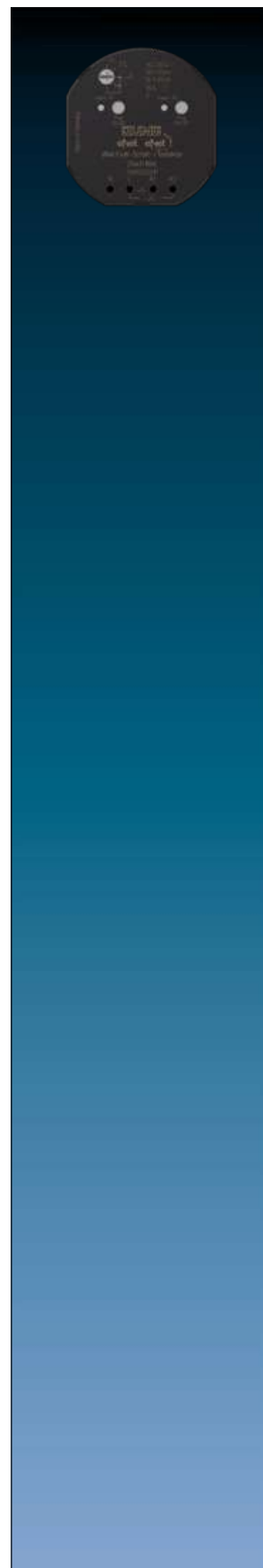
Dimensions (Ø x H): 53 x 28 mm

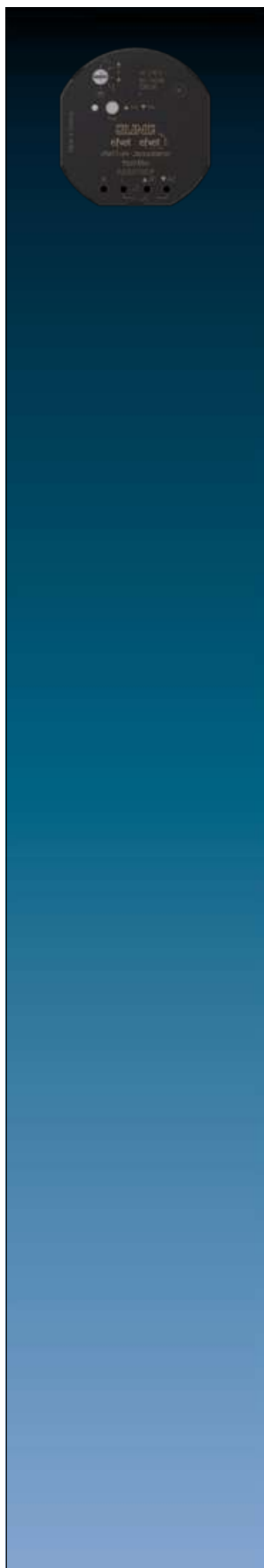
Radio frequency: 868.0 ... 868.6 MHz

Transmitting power: max. 20 mW

Transmission range in free field: typical 100 m

Receiver category: 2





Ref.-no.

**eNet radio blinds actuator 1-gang mini**

New system feature: Fully-encrypted radio transmission (AES-CCM) from eNet Server software version 2.0

**FM J 50700 UP****Intended use**

- Controlling electrically driven blinds, shutters and awnings
- Operation with suitable eNet radio transmitters
- Installation in flush box according to EN 60670-1 in combination with a suitable cover
- Mounting in surface-mounted housing or mounting adapter (ref.-no. FM-EBG) for false ceilings

**Product characteristics**

- Operating mode switch for switch-over to blind actuator, shutter actuator or parameterisation via eNet server
- Positioning of the blind and slats via scene recall
- Position for sun protection and twilight can be saved
- Status feedback to radio transmitter
- Switchable output with **Prog** button
- Blind/shutter running time can be saved
- Slat change-over time can be saved
- Fabric-stretching for awnings
- Status indication with LED

Can be set with eNet server:

- Change-over time for direction change
- Running direction invertible
- Operating locks
- Position for sun protection, twilight, lock-out protection and wind alarm

Supplementary functions with eNet server:

- Fully-encrypted radio transmission (AES-CCM) from eNet Server software version 2.0
- Update of the device software
- Repeater function
- Reading of error memory

**Technical data**

Rated voltage:	AC 230 V ~, 50/60 Hz
Ambient temperature:	-25 ... +70 °C
Minimum actuation time in operating mode	
Blind:	0.1 s
Shutter:	0.3 s
Contact type:	μ
Stand-by power:	max. 0.5 W
Running time:	1 ... 600 s
Running time default setting:	120 s
Slat adjusting time:	0 ... 10 s
Connected load	
Motors:	1000 W
Connection mode:	
single wire:	1 x 0.75 ... 4 mm <sup>2</sup>
stranded with ferrule:	1 x 0.75 ... 2.5 mm <sup>2</sup>
Dimensions (Ø x H):	53 x 28 mm
Radio frequency:	868.0 ... 868.6 MHz
Transmitting power:	max. 20 mW
Transmission range in free field:	typical 100 m
Receiver category:	2

Ref.-no.

## eNet radio dimming actuator 1-gang mini

New system feature: Fully-encrypted radio transmission (AES-CCM) from eNet Server software version 2.0

**FM UD 20250 UP**

### Intended use

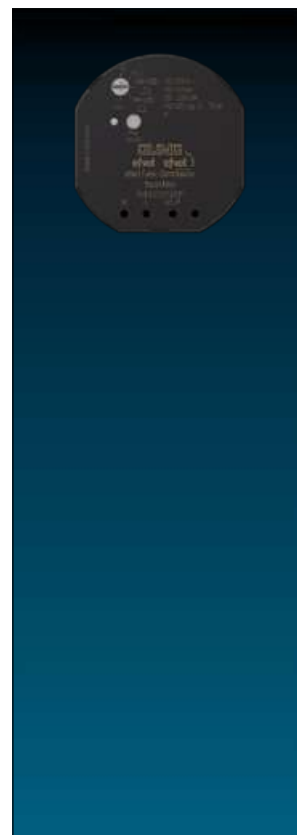
- Switching and dimming of incandescent lamps, HV halogen lamps, electronic transformers for halogen or LED lamps, dimmable inductive transformers for halogen or LED lamps, HV LED or compact fluorescent lamps
- Operation with suitable eNet radio transmitters
- Installation in flush box according to EN 60670-1 in combination with a suitable cover
- Mounting in surface-mounted housing or mounting adapter (ref.-no. FM-EBG) for false ceilings

### Product characteristics

- Switch-on via bulb-preserving soft start
- Switch-on brightness can be saved permanently
- Minimum brightness can be saved permanently
- Scene operation possible
- Status indication with LED
- Status feedback to radio transmitter
- Switchable with **Prog** button
- Electronic short-circuit protection with permanent switch-off after 7 seconds at the latest
- Electronic over-temperature protection
- Automatic or manual setting of the dimming principle suitable for the load
- Power extension possible by means of power boosters (ref.-no. ULZ 1755 REG)
- Optional accessory: compensation module LED, ref.-no.: KM LED 230 U

Can be set with eNet server:

- Maximum brightness
- Dimming speed
- Switch-on delay / switch-off delay
- Dim up/dim down ramp
- Switch-off warning
- Operating locks
- Continuous on, Continuous off
- Hotel function
- Run-on time
- Supplementary functions with eNet server: Fully-encrypted radio transmission (AES-CCM) from eNet Server software version 2.0
- Update of the device software
- Repeater function
- Reading of error memory



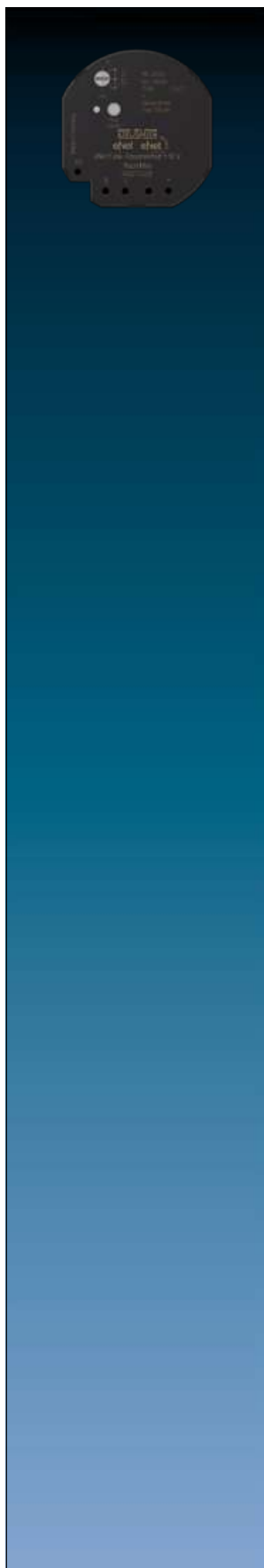
### Technical data

Rated voltage: AC 230 V ~, 50/60 Hz  
 Power loss: max. 1.5 W  
 Stand-by power: max. 0.5 W  
 Ambient temperature: -25 ... +70 °C  
 Connected load at 45 °C  
 Power specifications including transformer power dissipation.  
 Operate inductive transformers with at least 85 % nominal load.  
 For ohmic-inductive mixed load, maximum 50 % proportion of ohmic load. Otherwise incorrect calibration of the dimmer may result.

Incandescent lamps:	20 ... 250 W
HV halogen lamps:	20 ... 250 W
Electronic transformers:	20 ... 250 W
Electronic transformers with LV LED:	typical 20 ... 100 W
Inductive transformers:	20 ... 250 VA
Inductive transformers with LV LED:	typical 20 ... 100 VA
Dimmable HV LED lamps:	typical 3 ... 70 W
Dimmable compact fluorescent lamps:	typical 3 ... 70 W
Ohmic-inductive:	20 ... 250 VA
Ohmic-capacitive:	20 ... 250 W
Capacitive-inductive:	not permitted
Ohmic and HV LED:	typical 3 ... 70 W
Ohmic and CFL:	typical 3 ... 70 W

Reduction of load for every 5 °C exceeded 45 °C: -5 %  
 for installation into wooden or hollow walls: -15 %  
 for installation into multiple combinations: -20 %  
 Amplifiers: see instructions for amplifier  
 Connection mode: screw terminals  
     single wire: 1 x 0.75 ... 4 mm<sup>2</sup>  
     stranded with ferrule: 1 x 0.75 ... 2.5 mm<sup>2</sup>  
 Contact type: **ε**  
 Total length power cable: max. 100 m  
 Dimensions (Ø x H): 53 x 28 mm  
 Radio frequency: 868.0 ... 868.6 MHz  
 Transmitting power: max. 20 mW  
 Transmission range in free field: typical 100 m  
 Receiver category: 2





Ref.-no.

**eNet radio push-button controller 1 – 10 V 1-gang mini**

New system feature: Fully-encrypted radio transmission (AES-CCM) from eNet Server software version 2.0

**FM ST 50 UP****Intended use**

- Switching and brightness setting of luminaires with 1 – 10 V interface
- Operation with suitable eNet radio transmitters
- Installation in flush box according to EN 60670-1 in combination with a suitable cover
- Mounting in surface-mounted housing or mounting adapter (ref.-no. FM-EBG) for false ceilings

**Product characteristics**

- Switch-on brightness can be saved permanently
- Minimum brightness can be saved permanently
- Scene operation possible
- Status indication of the 1 – 10 V subscribers via LED
- Status feedback to radio transmitter
- 1 – 10 V subscribers switchable with **Prog** button
- 1 – 10 V interface is protected against reverse polarity

Can be set with eNet server:

- Maximum brightness
- Dimming speed
- Switch-on delay / switch-off delay
- Dim up/dim down ramp
- Switch-off warning
- Operating locks
- Continuous on, Continuous off
- Hotel function
- Run-on time

Supplementary functions with eNet server:

- Fully-encrypted radio transmission (AES-CCM) from eNet Server software version 2.0
- Update of the device software
- Repeater function
- Reading of error memory

**Technical data**

Rated voltage:	AC 230 V ~, 50/60 Hz
Stand-by power:	max. 0.5 W
Ambient temperature:	–25 ... +70 °C
Contact type:	μ
Control voltage:	0.5 ... 11 V
Control current:	max. 50 mA
Switching current	
Ohmic:	6 A
Fluorescent lamps:	3 AX
Connected load	
Ohmic load:	1380 W
Capacitive load:	690 VA (560 μF)
Connection mode:	screw terminals
single wire:	1 x 0.75 ... 4 mm <sup>2</sup>
stranded with ferrule:	1 x 0.75 ... 2.5 mm <sup>2</sup>
Dimensions (Ø x H):	53 x 28 mm
Total length power cable:	max. 100 m
Total length of control cable:	max. 100 m
Radio frequency:	868.0 ... 868.6 MHz
Transmitting power:	max. 20 mW
Transmission range in free field:	typical 100 m
Receiver category:	2



Ref.-no.

## eNet radio DALI gateway 1-gang mini

New system feature: Fully-encrypted radio transmission (AES-CCM) from eNet Server software version 2.0

### FM STD 8 UP

#### Intended use

- Switching and brightness setting for luminaires with DALI interface
- Operation with suitable eNet radio transmitters
- Installation in flush box according to EN 60670-1 in combination with a suitable cover
- Mounting in surface-mounted housing or mounting adapter (ref.-no. FM-EBG) for false ceilings

#### Product characteristics

- Joint operation of all the connected DALI ballasts, broadcast
- Electronic short-circuit protection of the DALI supply with permanent switch-off after 8 seconds
- Electronic over-temperature protection of the DALI supply with self-retain
- DALI supply for a maximum of 12 subscribers
- Parallel switching of up to 6 DALI control units with the option of supplying up to 72 DALI subscribers
- Switch-on brightness can be saved permanently
- Minimum brightness can be saved permanently
- Scene operation possible

- Status indication with LED
- Status feedback to radio transmitter
- DALI ballast is switchable with **Prog** button

Can be set with eNet server:

- Maximum brightness
- Dimming speed
- Switch-on delay / switch-off delay
- Dim up/dim down ramp
- Switch-off warning
- Operating locks
- Continuous on, Continuous off
- Hotel function
- Run-on time

Supplementary functions with eNet server:

- Fully-encrypted radio transmission (AES-CCM) from eNet Server software version 2.0
- Update of the device software
- Repeater function
- Reading of error memory

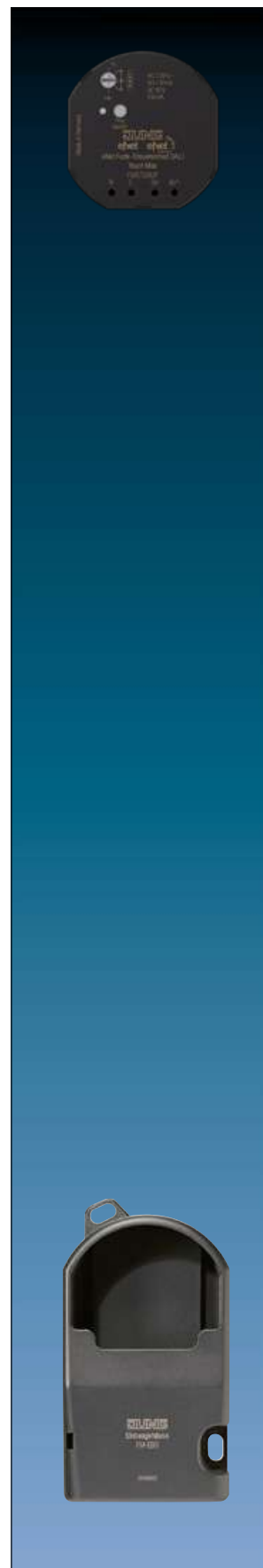
#### Technical data

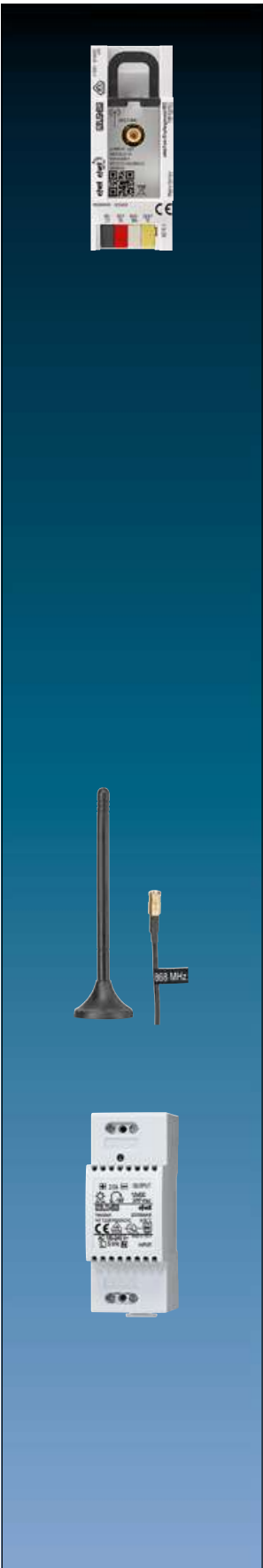
Rated voltage:	AC 230 V ~, 50/60 Hz
Power consumption:	max. 2 W
Ambient temperature:	-25 ... +70 °C
DALI system voltage:	DC 16 V
Output current:	max. 24 mA
Number of DALI devices:	max. 12
Reduction of load	
Number of DALI devices over 45 °C:	max. 8
Number of control units in parallel:	max. 6
Connection mode:	screw terminals
single wire:	1 x 0.75 ... 4 mm <sup>2</sup>
stranded with ferrule:	1 x 0.75 ... 2.5 mm <sup>2</sup>
Dimensions (Ø x H):	53 x 28 mm
Radio frequency:	868.0 ... 868.6 MHz
Transmitting power:	max. 20 mW
Transmission range in free field:	typical 100 m
Receiver category:	2

#### Mounting adapter for mini housing

### FM-EBG

The mounting adapter is equipped with a strain relief and a cover for the contact terminals. It enables the installation of mini actuators into false ceilings or on DIN rails.  
Dimensions: 97 x 53 x 36 mm





Ref.-no.

**eNet master receiver module for rail mounting**

Rail mounting device, 2 rail units

New system feature: Fully-encrypted radio transmission (AES-CCM) from eNet Server software version 2.0

**FM FK 32 REG**

**Intended use**

- Radio receiver for flush-mounted series modules
- Operation with power supply, ref.-no.: NT 1220 REG VDC
- Mounting on DIN rail according to EN 60715 in distribution boxes

**Product characteristics**

- Integrated antenna
- External antenna (ref.-no.: FM ANT) can additionally be connected in case of disadvantageous installation conditions, e.g. metallic distribution boxes

**Technical data**

Rated voltage:	DC 12 V SELV
Current consumption:	typical 15 mA
Ambient temperature:	-5 ... +45 °C
Protection class:	III
Mounting width:	36 mm (2 rail units)
Number of RMD modules:	max. 32
Connection bus:	terminal
Cable length:	max. 3 m
Cable type:	J-Y(St)Y 2 x 2 x 0.8 mm
Radio frequency:	868.0 ... 868.6 MHz
Radio range:	typical 100 m
Transmitting power:	max. 20 mW
Receiver category:	2

**eNet antenna**

**FM ANT**

**Intended use**

The antenna with magnetic pedestal supplements the integrated antenna of the master receiver for rail mounting and eNet server in case of unfavourable installation conditions, e.g. a metallic distribution box.

**Technical data**

Antenna length:	17 cm
Cable length:	1.4 m
Connection:	SMB connector
Radio frequency:	868.0 ... 868.6 MHz

**Power supply for rail mounting**

for eNet master receiver ref.-no.: FM FK 32 REG

Rail mounting device, 2 rail units

**NT 1220 REG VDC**

**Technical data**

Input voltage:	AC 100 ... 240 V ~, 50/60 Hz
Input current:	505 mA
Output voltage:	DC 12 V
Output current:	2 A
Mounting width:	36 mm (2 rail units)
Connection:	screw terminals

Ref.-no.

## eNet radio switch/push-button actuator 1-gang, for rail mounting

Rail mounting device, 2 rail units

New system feature: Fully-encrypted radio transmission (AES-CCM) from eNet Server software version 2.0

### FM AS 16 REG

#### Intended use

- Switching of lighting
- Operation with suitable eNet radio transmitters
- Operation with power supply (ref.-no. NT 1220 REG VDC) and receiver module (ref.-no. FM FK 32 REG) or eNet server
- Installation in distribution boxes on DIN rail according to EN 60715

#### Product characteristics

- Operating mode switch for: switch/push-button actuator or parameterisation via eNet server
- Status feedback to radio transmitter
- Scene operation possible
- Switchable output with **Prog** button
- Status indication with LED

#### Switching operation:

- Switch-on telegram: Device switches on
- Switch-off telegram: Device switches off

#### Push-button operation:

- Relay contact remains closed as long as ON or OFF telegrams are being received
- The maximum switch-on time is 60 seconds

#### Can be set with eNet server:

- Flash function
- Run-on time
- Switch-on delay / switch-off delay
- Operation as NO or NC contacts
- Switch-off warning
- Minimum switching repeat time
- Operating locks
- Continuous on, Continuous off

#### Supplementary functions with eNet server:

- Fully-encrypted radio transmission (AES-CCM) from eNet Server software version 2.0
- Update of the device software
- Reading of error memory

#### Technical data

Rated voltage: AC 230 V ~, 50/60 Hz

Ambient temperature: -5 ... +45 °C

Switching current at AC 230 V ~

Ohmic: 16 A

For switching current > 10 A connecting cable 2.5 mm<sup>2</sup>

Fluorescent lamps: 4 AX

Contact type:  $\mu$

Stand-by power: max. 0.2 W

Connected load

Incandescent lamps: 2300 W

HV halogen lamps: 2000 W

Electronic transformers: 1500 W

HV LED lamps: typical 500 W

Compact fluorescent lamps: typical 500 W

Inductive transformers: 1000 VA

Fluorescent lamps

non-compensated: 920 VA

Capacitive load: 690 VA (560  $\mu$ F)

Connection, outputs

Connection mode: screw terminals

single wire: 1 x 1.5 ... 4 mm<sup>2</sup>

stranded without ferrule: 1 x 0.75 ... 4 mm<sup>2</sup>

stranded with ferrule: 1 x 0.5 ... 2.5 mm<sup>2</sup>

Mounting width: 36 mm (2 rail units)

Bus line

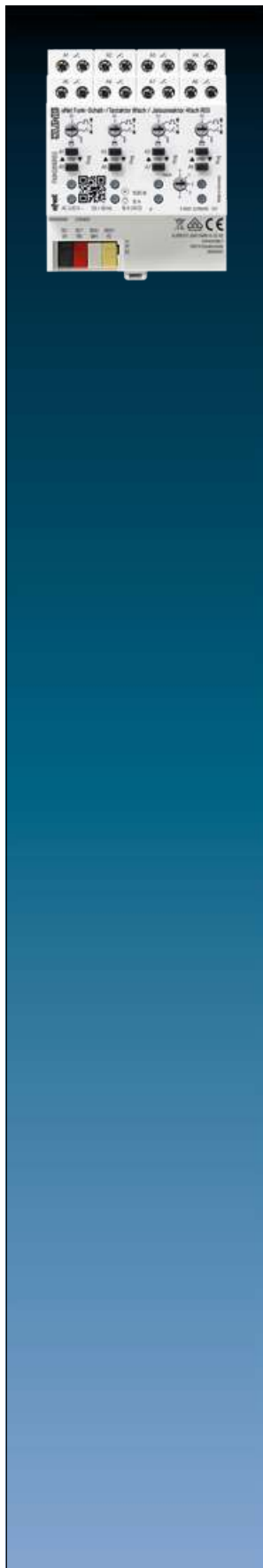
Rated voltage: DC 12 V SELV

Current consumption: max. 20 mA

Connection bus: terminal

Cable length: max. 3 m





Ref.-no.

## **eNet radio switch/push-button actuator 8-gang / blinds actuator 4-gang, for rail mounting**

Rail mounting device, 4 rail units

New system feature: Fully-encrypted radio transmission (AES-CCM) from eNet Server software version 2.0

**FM AS 816 REG**

### **Intended use**

- Switching of lighting
- Switching of single-phase fan motors
- Controlling electrically driven blinds, shutters and awnings
- Operation with suitable eNet radio transmitters
- Operation with power supply (ref.-no. NT 1220 REG VDC) and receiver module (ref.-no. FM FK 32 REG) or eNet server
- Installation in distribution boxes on DIN rail according to EN 60715

### **Product characteristics**

- Operating mode switch for switch-over of switch actuator, push-button actuator, blind actuator, shutter actuator or configuration via eNet server
- Status feedback to radio transmitter
- Scene operation possible
- Outputs switchable with **Prog** button
- Status indication of the outputs via LED

Switching operation:

- Switch-on telegram: Device switches on
- Switch-off telegram: Device switches off

Push-button operation:

- Relay contact remains closed as long as ON or OFF telegrams are being received
- The maximum switch-on time is 60 seconds

Operating mode "Venetian blind/Rolling shutter":

- Positioning of the blind and slats via scene recall
- Position for sun protection and twilight can be saved
- Blind/shutter running time can be saved
- Slat change-over time can be saved
- Fabric-stretching for awnings

Can be set with eNet server in switching/push-button operation:

- Operating mode for each output can be set separately
- Flash function
- Run-on time
- Switch-on delay / switch-off delay
- Operation as NO or NC contacts
- Switch-off warning
- Minimum switching repeat time
- Operating locks
- Continuous on, Continuous off

Can be set in the operating mode "Venetian blind/Rolling shutter" with eNet server:

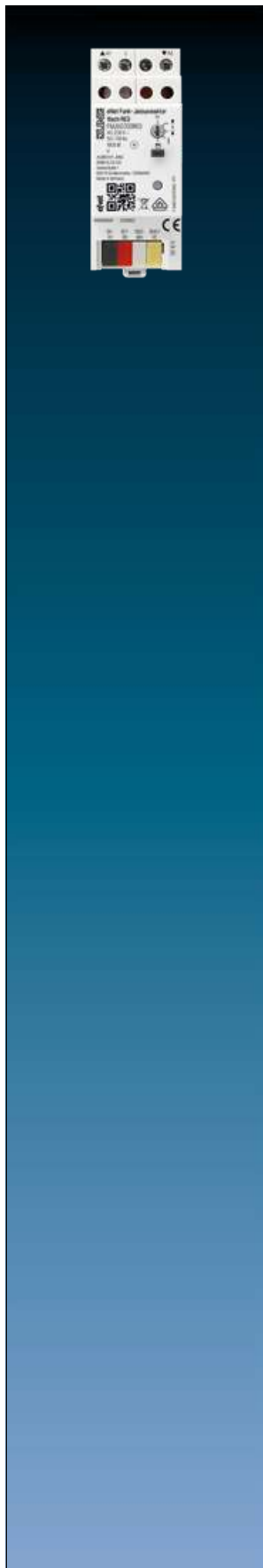
- Change-over time for direction change
- Running direction invertible
- Operating locks
- Position for sun protection, twilight, lock-out protection and wind alarm

Supplementary functions with eNet server:

- Fully-encrypted radio transmission (AES-CCM) from eNet Server software version 2.0
- Update of the device software
- Reading of error memory

## Technical data

Rated voltage:	AC 230 V ~, 50/60 Hz
Ambient temperature:	-5 ... +45 °C
Switching voltage:	AC 250 V ~
Minimum actuation time in operating mode	
Blind:	0.1 s
Shutter:	0.3 s
Running time:	1 ... 600 s
Running time default setting:	120 s
Slat adjusting time:	0 ... 10 s
Switching current per output for AC 230 V ~	
Ohmic:	16 A (AC1)
For switching current	
> 10 A connecting cable 2.5 mm <sup>2</sup>	
Fluorescent lamps:	4 AX
Switching current neighbouring load outputs:	Σ 20 A
Current carrying capacity of device:	max. 80 A
Contact type:	μ
Stand-by power:	max. 0.5 W
Connected load per output	
Motors:	1000 W
Incandescent lamps:	2300 W
HV halogen lamps:	2000 W
Electronic transformers:	1500 W
Inductive transformers:	1000 VA
HV LED lamps:	typical 500 W
Compact fluorescent lamps:	typical 500 W
Fluorescent lamps	
non-compensated:	920 VA
Capacitive load:	690 VA (560 μF)
Connection, outputs	
Connection mode:	screw terminals
single wire:	1 x 1.5 ... 4 mm <sup>2</sup>
stranded without ferrule:	1 x 0.75 ... 4 mm <sup>2</sup>
stranded with ferrule:	1 x 0.5 ... 2.5 mm <sup>2</sup>
Mounting width:	72 mm (4 rail units)
Bus line	
Rated voltage:	DC 12 V SELV
Current consumption:	60 mA
Connection bus:	terminal
Cable length:	max. 3 m



Ref.-no.

**eNet radio blinds actuator 1-gang, for rail mounting**

Rail mounting device, 2 rail units

New system feature: Fully-encrypted radio transmission (AES-CCM) from eNet Server software version 2.0

**FM J 50700 REG****Intended use**

- Controlling electrically driven blinds, shutters and awnings
- Operation with suitable eNet radio transmitters
- Operation with power supply (ref.-no. NT 1220 REG VDC) and receiver module (ref.-no. FM FK 32 REG) or eNet server
- Installation in distribution boxes on DIN rail according to EN 60715

**Product characteristics**

- Operating mode switch for switch-over to blind actuator, shutter actuator or parameterisation via eNet server
- Positioning of the blind and slats via scene recall
- Position for sun protection and twilight can be saved
- Status feedback to radio transmitter
- Switchable output with **Prog** button
- Blind/shutter running time can be saved
- Slat change-over time can be saved
- Fabric-stretching for awnings
- Status indication with LED

Can be set with eNet server:

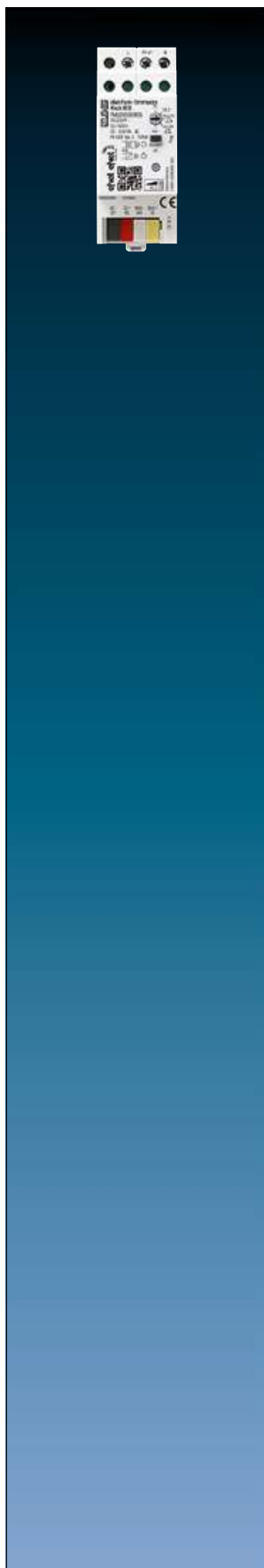
- Change-over time for direction change
- Running direction invertible
- Operating locks
- Position for sun protection, twilight, lock-out protection and wind alarm

Supplementary functions with eNet server:

- Fully-encrypted radio transmission (AES-CCM) from eNet Server software version 2.0
- Update of the device software
- Reading of error memory

## Technical data

Rated voltage:	AC 230 V ~, 50/60 Hz
Ambient temperature:	-5 ... +45 °C
Minimum actuation time in operating mode	
Blind:	0.1 s
Shutter:	0.3 s
Contact type:	μ
Stand-by power:	max. 0.2 W
Running time:	1 ... 600 s
Running time default setting:	120 s
Slat adjusting time:	0 ... 10 s
Connected load	
Motors:	1000 W
Connection of load terminals:	screw terminals
single wire:	1 x 1.5 ... 4 mm <sup>2</sup>
stranded without ferrule:	1 x 0.75 ... 4 mm <sup>2</sup>
stranded with ferrule:	1 x 0.5 ... 2.5 mm <sup>2</sup>
Mounting width:	36 mm (2 rail units)
Bus line	
Rated voltage:	DC 12 V SELV
Current consumption:	max. 20 mA
Connection bus:	terminal
Cable length:	max. 3 m



Ref.-no.

## eNet radio dimming actuator 1-gang, for rail mounting

Rail mounting device, 2 rail units

New system feature: Fully-encrypted radio transmission (AES-CCM) from eNet Server software version 2.0

**FM UD 5500 REG**

### Intended use

- Switching and dimming of incandescent lamps, HV halogen lamps, electronic transformers for halogen or LED lamps, dimmable inductive transformers for halogen or LED lamps, HV LED or compact fluorescent lamps
- Operation with power supply (ref.-no. NT 1220 REG VDC) and receiver module (ref.-no. FM FK 32 REG) or eNet server
- Operation with suitable eNet radio transmitters
- Installation in distribution boxes on DIN rail according to EN 60715

### Product characteristics

- Switch-on via bulb-preserving soft start
- Switch-on brightness can be saved permanently
- Minimum brightness can be saved permanently
- Scene operation possible
- Status indication with LED
- Status feedback to radio transmitter
- Switchable with **Prog** button
- Electronic short-circuit protection with permanent switch-off after 7 seconds at the latest
- Electronic over-temperature protection
- Automatic or manual setting of the dimming principle suitable for the load
- Power extension possible by means of power boosters (ref.-no. ULZ 1755 REG)
- Optional accessory: compensation module LED, ref.-no.: KM LED 230 U

Can be set with eNet server:

- Maximum brightness
- Dimming speed
- Switch-on delay / switch-off delay
- Dim up/dim down ramp
- Switch-off warning
- Operating locks
- Continuous on, Continuous off
- Hotel function
- Run-on time

Supplementary functions with eNet server:

- Fully-encrypted radio transmission (AES-CCM) from eNet Server software version 2.0
- Update of the device software
- Reading of error memory



## Technical data

Rated voltage:	AC 230 V ~, 50/60 Hz
Power loss:	max. 4 W
Stand-by power:	max. 0.3 W
Ambient temperature:	-5 ... +45 °C
Connected load at 35 °C	
Power specifications including transformer power dissipation.	
Operate inductive transformers with at least 85 % nominal load.	
For ohmic-inductive mixed load, maximum 50 % proportion of ohmic load.	
Otherwise incorrect calibration of the dimmer may result.	
Incandescent lamps:	20 ... 500 W
HV halogen lamps:	20 ... 500 W
Electronic transformers:	20 ... 500 W
Electronic transformers with LV LED:	typical 20 ... 100 W
Inductive transformers:	20 ... 500 VA
Inductive transformers with LV LED:	typical 20 ... 100 VA
Dimmable HV LED lamps:	typical 3 ... 100 W
Dimmable compact fluorescent lamps:	typical 3 ... 100 W
With setting "LED trailing edge phase control" the max. connection power for HV LED lamps and electronic transformers with LV LED doubles.	
Ohmic-inductive:	20 ... 500 VA
Ohmic-capacitive:	20 ... 500 VA
Capacitive-inductive:	not permitted
Ohmic and HV LED:	typical 3 ... 100 W
Ohmic and CFL:	typical 3 ... 100 W
Reduction of load for every 5 °C exceeded 35 °C:	-5 %
Amplifiers:	see instructions for amplifier
Connection, outputs	
Connection mode:	screw terminals
single wire:	1 x 1.5 ... 4 mm <sup>2</sup>
stranded without ferrule:	1 x 0.75 ... 4 mm <sup>2</sup>
stranded with ferrule:	1 x 0.5 ... 2.5 mm <sup>2</sup>
Contact type:	ε
Length of output cable, per channel:	max. 100 m
Mounting width:	36 mm (2 rail units)
Bus line	
Rated voltage:	DC 12 V SELV
Current consumption:	10 mA
Connection bus:	terminal
Cable length:	max. 3 m





Ref.-no.

**eNet radio dimming actuator 4-gang, for rail mounting**

Rail mounting device, 8 rail units

New system feature: Fully-encrypted radio transmission (AES-CCM) from eNet Server software version 2.0

**FM UD 420250 REG****Intended use**

- Switching and dimming of incandescent lamps, HV halogen lamps, electronic transformers for halogen or LED lamps, dimmable inductive transformers for halogen or LED lamps, HV LED or compact fluorescent lamps
- Operation with power supply (ref.-no. NT 1220 REG VDC) and receiver module (ref.-no. FM FK 32 REG) or eNet server
- Operation with suitable eNet radio transmitters
- Installation in distribution boxes on DIN rail according to EN 60715

**Product characteristics**

- Switch-on via bulb-preserving soft start
- Switch-on brightness for each output can be saved permanently
- Minimum brightness for each output can be saved permanently
- Scene operation possible
- Status indication of the outputs via LED
- Status feedback to radio transmitter
- Outputs switchable with **Prog** button
- Increase in output power possible through parallel switching of multiple outputs
- Electronic short-circuit protection with permanent switch-off after 7 seconds at the latest
- Electronic over-temperature protection
- Automatic or manual setting of the dimming principle suitable for the load
- Power extension possible by means of power boosters (ref.-no. ULZ 1755 REG)
- Optional accessory: compensation module LED, ref.-no.: KM LED 230 U

Can be set with eNet server:

- Maximum brightness
- Dimming speed
- Switch-on delay / switch-off delay
- Dim up/dim down ramp
- Switch-off warning
- Operating locks
- Continuous on, Continuous off
- Hotel function
- Run-on time

Supplementary functions with eNet server:

- Fully-encrypted radio transmission (AES-CCM) from eNet Server software version 2.0
- Update of the device software
- Reading of error memory

## Technical data

Rated voltage:	AC 230 V ~, 50/60 Hz
Power loss:	max. 8 W
Stand-by power:	max. 1.2 W
Ambient temperature:	-5 ... +45 °C
Connected load per output at 45 °C	
Power specifications including transformer power dissipation.	
Operate inductive transformers with at least 85 % nominal load.	
For ohmic-inductive mixed load, maximum 50 % proportion of ohmic load.	
Otherwise incorrect calibration of the dimmer may result.	
Max. load for outputs connected in parallel is limited to 95 %.	
The minimum load of parallel switching of load outputs is 250 VA.	
Incandescent lamps:	20 ... 250 W
HV halogen lamps:	20 ... 250 W
Electronic transformers:	20 ... 250 W
Electronic transformers with LV LED:	typical 20 ... 100 W
Inductive transformers:	20 ... 250 VA
Inductive transformers with LV LED:	typical 20 ... 100 VA
Dimmable HV LED lamps:	typical 3 ... 50 W
Dimmable compact fluorescent lamps:	typical 3 ... 50 W
With setting "LED trailing edge phase control" the max. connection power for HV LED lamps and electronic transformers with LV LED doubles.	
Ohmic-inductive:	20 ... 250 VA
Ohmic-capacitive:	20 ... 250 VA
Capacitive-inductive:	not permitted
Amplifiers:	see instructions for amplifier
Connection, outputs	
Connection mode:	screw terminals
single wire:	1 x 1.5 ... 4 mm <sup>2</sup>
stranded without ferrule:	1 x 0.75 ... 4 mm <sup>2</sup>
stranded with ferrule:	1 x 0.5 ... 2.5 mm <sup>2</sup>
Contact type:	ε
Length of output cable, per channel:	max. 100 m
Mounting width:	144 mm (8 rail units)
Bus line	
Rated voltage:	DC 12 V SELV
Current consumption:	10 mA
Connection bus:	terminal
Cable length:	max. 3 m





Ref.-no.

**eNet server for rail mounting**

Rail mounting device, 6 rail units

including plug-in power supply (ref.-no. ST NT 12 VDC) for provisional operation at construction site

New system feature: Fully-encrypted radio transmission (AES-CCM) from eNet Server software version 2.0

**ENET-SERVER****Intended use**

- Commissioning, diagnosis and maintenance of an eNet installation via PC, tablet and laptop
- Operation of an eNet installation via smartphone
- Radio receiver for eNet RMD modules
- Operation only with approved power supply
- Mounting on DIN rail according to EN 60715 in distribution boxes with power supply RMD (ref.-no. NT 1220 REG VDC)
- Mobile use of the eNet server with plug-in power supply (ref.-no. ST NT 12 VDC)

**Product characteristics**

- Internal eNet radio and WLAN antenna
- External eNet radio and WLAN antennas for extending the radio ranges can additionally be connected
- LEDs for signalling
- Buttons for construction site mode and restart of the eNet server
- Electrical separation between the connections of the external antennas and the Ethernet connection
- Fully-encrypted radio transmission (AES-CCM) from eNet Server software version 2.0

**Technical data**

Rated voltage:	DC 12 V SELV
Current consumption:	400 mA
Power consumption	
Operation:	max. 6 W
Stand-by:	max. 2 W
Ambient temperature:	-5 ... +45 °C
Storage/transport temperature:	-20 ... +70 °C
Relative humidity:	20 ... 70 % (no condensation)
Protection class:	III
Mounting width:	108 mm (6 rail units)
Connection, power supply:	terminal
LAN:	RJ45 socket 8-pin
WLAN antenna, external:	SMB connector
Bus line	
Cable length:	max. 3 m
Number of RMD modules:	max. 32
IP communication	
LAN:	10/100 Mbit/s Ethernet
WLAN:	2.4 GHz, IEEE 802.11g
IP connections:	max. 8
eNet communication	
Radio frequency:	868.0 ... 868.6 MHz
Transmission range in free field:	typical 100 m
Transmitting power:	max. 20 mW
Receiver category:	2

**Plug-in power supply 12 V**

(Spare part)

**ST NT 12 VDC****Technical data**

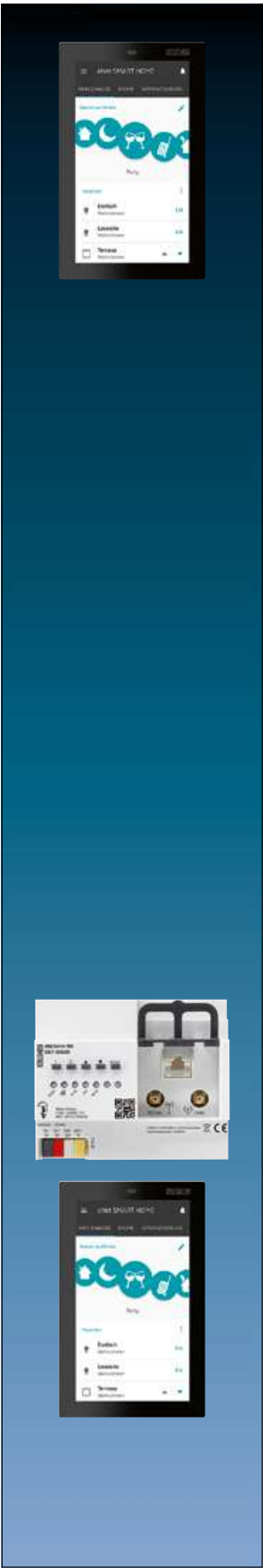
Rated voltage:	AC 230/240 V ~, 50/60 Hz
Output voltage:	DC 12 V
Output current:	max. 1 A
Primary current:	max. 130 mA
Connected load:	12 W
Efficiency:	approx. 80 %
Ambient temperature:	+5 ... +25 °C



Ref.-no.	
<b>Power supply for rail mounting</b> for eNet server ref.-no.: ENET-SERVER Rail mounting device, 2 rail units	
<b>NT 1220 REG VDC</b>	
<b>Technical data</b> Input voltage: AC 100 ... 240 V ~, 50/60 Hz Input current: 505 mA Output voltage: DC 12 V Output current: 2 A Mounting width: 36 mm (2 rail units) Connection: screw terminals	
<b>eNet antenna</b> FM ANT	
<b>Intended use</b> The antenna with magnetic pedestal supplements the integrated antenna of the master receiver for rail mounting and eNet server in case of unfavourable installation conditions, e.g. a metallic distribution box.	
<b>Technical data</b> Antenna length: 17 cm Cable length: 1.4 m Connection: SMB connector Radio frequency: 868.0 ... 868.6 MHz	
<b>WLAN antenna</b> antenna with magnetic pedestal FM WLAN ANT	
<b>Intended use</b> The antenna with magnetic pedestal supplements the integrated antenna of the eNet server in case of unfavourable installation conditions, e.g. a metallic distribution box.	
<b>Technical data</b> Antenna length: 17 cm Cable length: 1.4 m Connection: SMB connector Radio frequency: 2.4 GHz	
<b>eNet radio signal quality meter</b> Not suitable for encrypted radio transmission. Only with eNet server software up to version 1.4. FM DT	
<b>Product characteristics</b> <ul style="list-style-type: none"> <li>• Display of the signal quality of a selected eNet device using LEDs</li> <li>• Display of the signal quality of status messages using LEDs</li> <li>• Display of radio signals of non-eNet radio transmitters in the 868.0 ... 868.6 MHz frequency band using LEDs</li> <li>• Switch-on, switch-off of the repeater functions of network-operated actuators, transmitters and energy sensors</li> <li>• Battery operation with one included lithium button cell (CR 2450N)</li> <li>• Devices switches off after 5 minutes without actuation</li> </ul>	
<b>Technical data</b> Rated voltage: DC 3 V Battery type: 1 x lithium CR 2450N (included) Ambient temperature: -5 ... +45 °C Radio frequency: 868.0 ... 868.6 MHz Transmission range in free field: max. 100 m Transmitting power: max. 20 mW Receiver category: 2	



Smart Control 8 see page 699



Ref.-no.

Smart Control 5

for installation in walls, capacitive touch screen  
fanless, without rotating parts

black

SC 5 SW

Intended use

- Visualisation and operation of system statuses and information on building automation
- For vertical installation
- Installation in flush box according to EN 60670-1
- Ensure correct orientation when installing the flush box.  
Mounting screws must be in vertical alignment.

Product characteristics

- KNX visualisation in combination with Visu Pro Server (ref.-no.: JVP-SERVER-H2)
- KNX visualisation in combination with Smart Visu Server (ref.-no.: SV-SERVER-INT)
- Display of diagrams not possible
- eNet visualisation in combination with eNet server for rail mounting (ref.-no.: ENET-SERVER) with software version 2.2 or higher
- Door call function only in combination with Siedle Smart Gateway SG 650-.. or SG 150-..
- High performance HD screen
- Proximity sensor
- Graphical user interface
- Brightness level of display adapts automatically to ambient brightness
- Smart Gateway with integrated image storage

Technical data

Rated voltage:	DC 24 V SELV
Rated capacity:	12 W
Screen diagonal:	127 mm / 5"
Resolution:	720 x 1280
Frame dimensions (W x H):	81 x 132 mm
Power supply:	PoE acc. to IEEE 802.3af or DC 24 V via external power supply (not included)
Processor:	Cortex-A53
Loudspeaker:	integrated
Microphone:	integrated
LAN connections:	1 x 10/100 Mbit/s
Ambient temperature:	0 ... +30 °C

eNet server set Smart Control 5

consists of eNet-Server (ref.-no.: ENET-SERVER) and Smart Control 5 (ref.-no.: SC 5 SW)

black

ENET-S-SC 5 SW

Ref.-no.

## Power supply for rail mounting

for Smart Control ref.-no.: SC 5 SW

Rail mounting device, 4 rail units

NT 2415 REG VDC

### Technical data

Input voltage:	AC 100 ... 240 V ~, 50/60 Hz
Input current:	730 mA
Output voltage:	DC 24 V SELV
Output current:	1.5 A
Mounting width:	72 mm (4 rail units)
Connection:	screw terminals

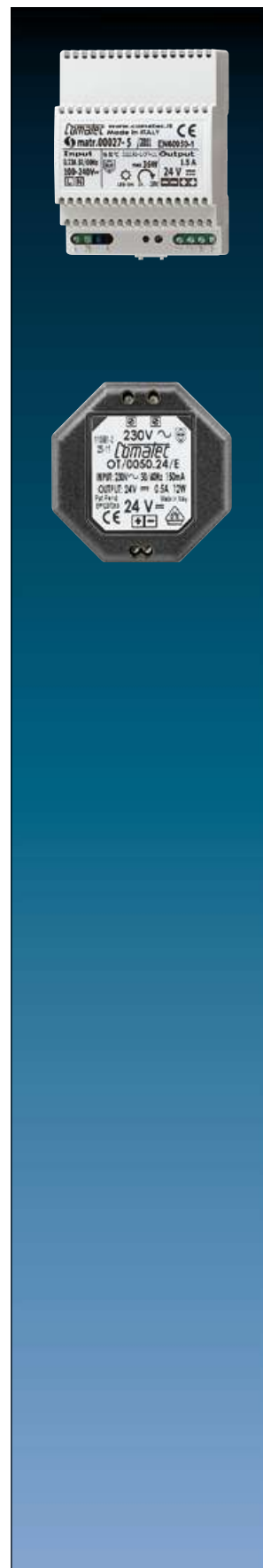
## Flush-mounted power supply

for Smart Control ref.-no.: SC 5 SW

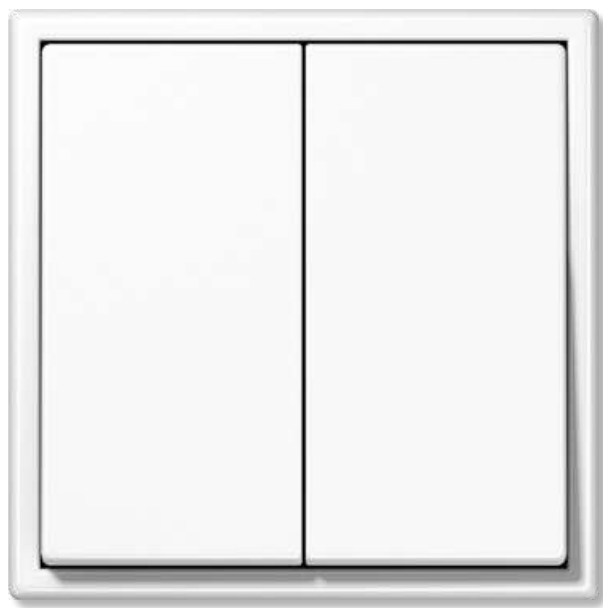
NT 2405 VDC

### Technical data

Input voltage:	AC 230 V ~, 50/60 Hz
Input current:	150 mA
Output voltage:	DC 24 V
Output current:	500 mA
Dimensions (Ø x H):	54 x 32 mm
Connection:	screw terminals



# Wall-mounted transmitters for Philips Hue



No smartphone needed: With the freely programmable JUNG wall-mounted transmitters, lamps from the Philips Hue lighting system can be controlled simply with the push of a button. The switches are compatible with the JUNG A and LS range and work without cables or battery. They are available compatible with the JUNG AS 550 and LS 990 switch ranges.



Ref.-no.

## Friends of Hue switch set

including mounting plate, adhesive film and fastening screw

- Smart switch for wireless remote control of Philips Hue lamps
- For switching, dimming and controlling individual light scenes
- For residential use only
- Mounting on flush box according to EN 60670-1, screw fixing on walls or adhesive fixing on smooth, even surfaces (glass)
- Battery-free device without external power supply
- Transmitting energy is generated from mechanical energy of actuation (energy harvesting)
- Encrypted transmission with device-specific code
- Wireless standard ZigBee Green Power, compatible with Friends of Hue and Apple HomeKit
- Automatic range extension via Philips Hue lamps
- Simple commissioning and configuration via Philips Hue app and Hue Bridge V2 or higher

## Technical data

Radio frequency:	2.402 ... 2.480 GHz
Transmission range	
in free field:	up to 175 m
in buildings:	approx. 20 m
Transmitting power:	7 dBm / 5 mW
Ambient temperature:	-5 ... +45 °C
Storage/transport temperature:	-25 ... +65 °C
Atmospheric humidity:	0 ... 95 % (no condensation)

## A range


### Friends of Hue switch set

4-channel

max. 4 light scenes

including A 550 frame ref.: A 5581 BF WW

### Thermoplastic (breakproof) high-gloss

white  **FOHS A 550 595 WW**

## LS range

### Friends of Hue switch set

4-channel

max. 4 light scenes

including LS 990 frame ref.: LS 981 WW

### Thermoplastic (breakproof) high-gloss

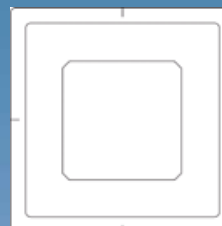
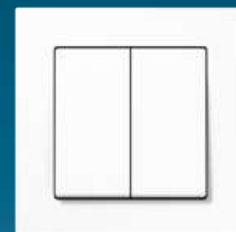
white  **FOHS LS 995 WW**

## Adhesive film for radio transmitter

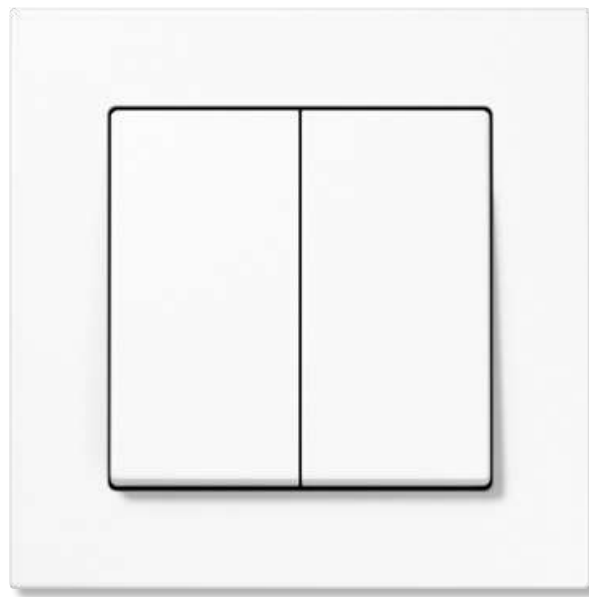
(Spare part)

**80 KLEFO**

- Adhesive fixing in indoor areas on window panes, walls or furniture



# Wall-mounted transmitters with Bluetooth Low Energy



Wall-mounted transmitters with Bluetooth Low Energy operate lights and actuators from numerous manufacturers within compatible smart home systems. They are available in the JUNG A and LS ranges and work with battery-free EnOcean technology.



Ref.-no.

## Bluetooth Low Energy radio transmitter

including mounting plate, adhesive film and fastening screw

- Smart switch for wireless device control using wireless standard Bluetooth Low Energy (BLE) • For switching, dimming and controlling individual light scenes • Mounting on flush box according to EN 60670-1, screw fixing on walls or adhesive fixing on smooth, even surfaces (glass) • Battery-free device without external power supply
- Transmitting energy is generated from mechanical energy of actuation (energy harvesting) • Encrypted transmission with AES-128 (CBC mode) and sequence counter • Compatible with these wireless Bluetooth systems: Casambi, XICATO Controls, Häfele Connect, WiSilica, Wirepas, Blu2Light (Vossloh Schwabe), Aruba, Fulham, Helvar • Configuration interface: NFC Forum Type 2 Tag (ISO/IEC 14443 Part 2 + 3) • Automatic range extension (depending on the system) via BT Mesh devices connected to the mains

### Technical data

Radio frequency:	2.402 ... 2.480 GHz	Transmitting power:	0.4 dBm / 1.1 mW
Transmission range		Ambient temperature:	-5 ... +45 °C
in free field:	up to 75 m	Storage/transport temperature:	-25 ... +65 °C
in buildings:	approx. 10 m	Atmospheric humidity:	0 ... 95 % (no condensation)

### A range

#### Bluetooth Low Energy radio transmitter

2-channel

##### Thermoplastic (breakproof) high-gloss


white	 BLE A 590 WW
-------	--

##### matt lacquered

matt anthracite	BLE A 590 ANM
-----------------	---------------

4-channel

##### Thermoplastic (breakproof) high-gloss

white	 BLE A 595 WW
-------	--

##### matt lacquered

matt anthracite	BLE A 595 ANM
-----------------	---------------

### LS range

#### Bluetooth Low Energy radio transmitter

2-channel

##### Thermoplastic (breakproof) high-gloss

white	 BLE LS 990 WW
-------	---

black	 BLE LS 990 SW
-------	---

4-channel

##### Thermoplastic (breakproof) high-gloss

white	 BLE LS 995 WW
-------	---

black	 BLE LS 995 SW
-------	---

### Adhesive film for radio transmitter

(Spare part)

80 KLEFO

- Adhesive fixing in indoor areas on window panes, walls or furniture



# Flush-mounting radio transmitters with EnOcean



**ENOCEAN FLUSH-MOUNTING RADIO TRANSMITTER**

The flush-mounting radio transmitters without batteries in the JUNG design transmit switching, dimming and blind commands to radio receivers from the EnOcean system. They generate their transmission energy from the mechanical pressure when actuated.

The JUNG EnOcean transmitters are compatible with all EnOcean receivers (EnOcean Ingredient Logo) – independent of the manufacturer.  
Via gateways the transmitters can also communicate with various bus systems, e.g. KNX.

## EnOcean Technology

The idea that led to this innovative technology is based on a very simple observation. Where sensors record a measurement reading, the level of energy changes. Pressing a button a change of temperature or brightness – there is enough energy in processes like these to transmit wireless signals over a distance of up to 300 meters. The radio technology that transmits reading and switching signals without battery, consists essentially of two components: First, the locally available energy is converted into electrical energy (Energy Harvesting). Then an extremely low-power electronics prepares the data and sends short radio signals to a special receiver unit. The wireless protocol is optimised to transmit information at extremely low energy with maximum security. EnOcean transmits radio signal with a frequency of 868 MHz.

## Benefits

- Flexibility: no cabling, simple fitting and removal, e.g. switches on glass, stone, wood and furniture
- Simple planning of complex and flexible systems: optimal sensor positioning even for changing conditions of use
- Cost savings in installation, maintenance, renovation and energy use
- Environmentally friendly: far less cable material (copper, sheaths, etc.)
- Reduced risks through less fire load
- Subsequent fitting of wireless sensors in preservation listed buildings
- Interoperability: straightforward combination of products from a variety of manufacturers and for a wide selection of applications
- Scalability of the building system ensures a sustained building structure
- Time-savings: planning is speeded up, fast fitting, integration, configuration
- Service-free wireless sensors: no batteries needed, no replacement and disposal worries
- Little noise, dust and dirt

## EnOcean radio transmitter

including mounting plate, adhesive film and fastening screw

## Intended use

- Radio transmitter for the transmission of switching, dimming or shutter commands to radio receivers of the EnOcean radio system
- Mounting on flush box according to EN 60670-1, screw fixing on walls or adhesive fixing on smooth, even surfaces (glass)

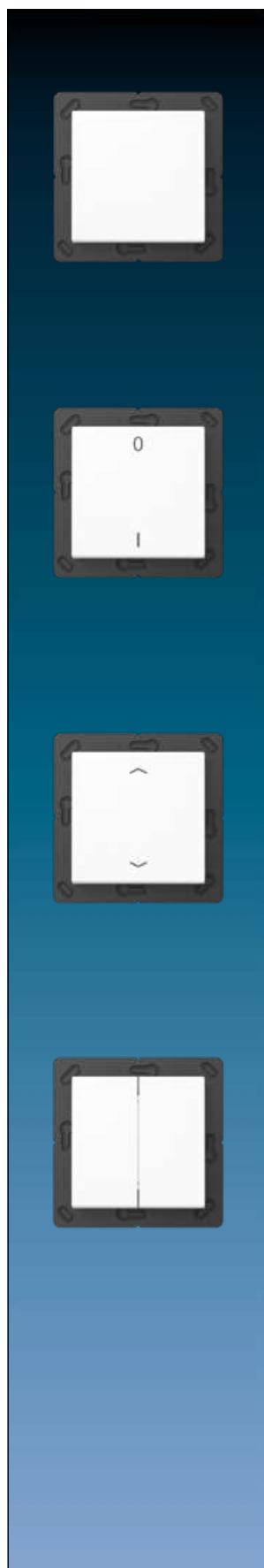
## Product characteristics

- Battery-free device without external power supply
- Transmitting energy is generated from mechanical energy of actuation (energy harvesting)
- Configuration interface: NFC Forum Type 2 Tag (ISO/IEC 14443 Part 2 + 3)
- Optional: Encrypted transmission with AES-128 and sequence counter

## Technical data




Carrier frequency:	868 MHz (ASK)
Transmission range	
in free field:	up to 300 m
in buildings:	approx. 30 m
Transmitting power:	–1.9 dBm / 0.7 mW
Ambient temperature:	–5 ... +45 °C
Storage/transport temperature:	–25 ... +65 °C
Atmospheric humidity:	0 ... 95 % (no condensation)

The JUNG EnOcean transmitters are compatible with all EnOcean receivers (EnOcean Ingredient Logo) – independent of the manufacturer.  
Via gateways the transmitters can also communicate with various bus systems, e.g. KNX.





Ref.-no.

**AS and A ranges****EnOcean radio transmitter****Thermoplastic (breakproof) high-gloss**

ivory	2-channel	 <b>ENO A 590</b>
white	2-channel	 <b>ENO A 590 WW</b>
black	2-channel	 <b>ENO A 590 SW</b>

**Thermoplastic (breakproof) lacquered**

aluminium	2-channel	 <b>ENO A 590 AL</b>
<b>matt lacquered</b>		
matt snow white	2-channel	<b>ENO A 590 WWM</b>
matt graphite black	2-channel	<b>ENO A 590 SWM</b>
matt anthracite	2-channel	 <b>ENO A 590 ANM</b>

**EnOcean radio transmitter with symbols 0 I****Thermoplastic (breakproof) high-gloss**

ivory	2-channel	<b>ENO A 590-01</b>
white	2-channel	<b>ENO A 590-01 WW</b>
black	2-channel	<b>ENO A 590-01 SW</b>

**Thermoplastic (breakproof) lacquered**

aluminium	2-channel	<b>ENO A 590-01 AL</b>
<b>matt lacquered</b>		
matt snow white	2-channel	<b>ENO A 590-01 WWM</b>
matt graphite black	2-channel	<b>ENO A 590-01 SWM</b>
matt anthracite	2-channel	<b>ENO A 590-01 ANM</b>

**EnOcean radio transmitter with symbols ▲▼****Thermoplastic (breakproof) high-gloss**

ivory	2-channel	<b>ENO A 590 P</b>
white	2-channel	<b>ENO A 590 P WW</b>
black	2-channel	<b>ENO A 590 P SW</b>



**Thermoplastic (breakproof) lacquered**

aluminium	2-channel	<b>ENO A 590 P AL</b>
<b>matt lacquered</b>		
matt snow white	2-channel	<b>ENO A 590 P WWM</b>
matt graphite black	2-channel	<b>ENO A 590 P SWM</b>
matt anthracite	2-channel	<b>ENO A 590 P ANM</b>

**EnOcean radio transmitter****Thermoplastic (breakproof) high-gloss**

ivory	4-channel	 <b>ENO A 595</b>
white	4-channel	 <b>ENO A 595 WW</b>
black	4-channel	 <b>ENO A 595 SW</b>

**Thermoplastic (breakproof) lacquered**

aluminium	4-channel	 <b>ENO A 595 AL</b>
<b>matt lacquered</b>		
matt snow white	4-channel	<b>ENO A 595 WWM</b>
matt graphite black	4-channel	<b>ENO A 595 SWM</b>
matt anthracite	4-channel	 <b>ENO A 595 ANM</b>

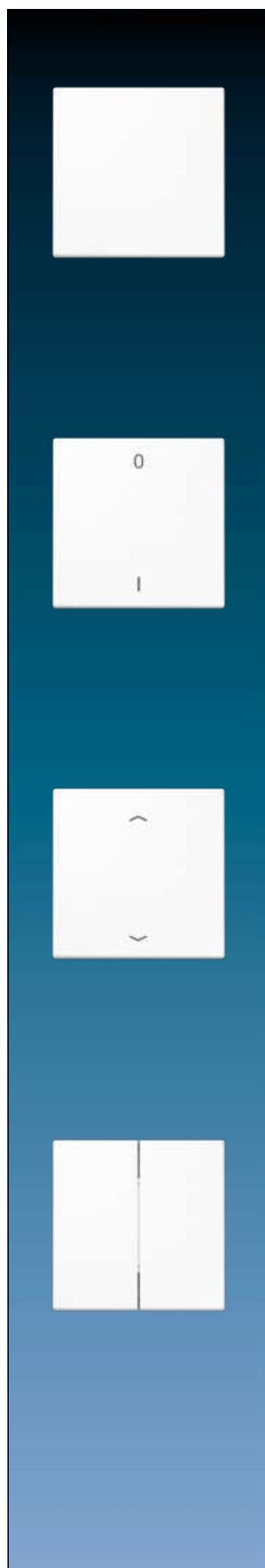
The JUNG EnOcean transmitters are compatible with all EnOcean receivers  
(EnOcean Ingredient Logo) – independent of the manufacturer.  
Via gateways the transmitters can also communicate with various bus systems, e.g. KNX.

Ref.-no.		
<b>EnOcean radio transmitter with symbols 0 I</b>		
<b>Thermoplastic (breakproof) high-gloss</b>		
ivory	4-channel	<b>ENO A 595-01</b>
white	4-channel	<b>ENO A 595-01 WW</b>
black	4-channel	<b>ENO A 595-01 SW</b>
<b>Thermoplastic (breakproof) lacquered</b>		
aluminium	4-channel	<b>ENO A 595-01 AL</b>
<b>matt lacquered</b>		
matt snow white	4-channel	<b>ENO A 595-01 WWM</b>
matt graphite black	4-channel	<b>ENO A 595-01 SWM</b>
matt anthracite	4-channel	<b>ENO A 595-01 ANM</b>
<b>EnOcean radio transmitter with symbols ▲▼</b>		
<b>Thermoplastic (breakproof) high-gloss</b>		
ivory	4-channel	<b>ENO A 595 MP</b>
white	4-channel	<b>ENO A 595 MP WW</b>
black	4-channel	<b>ENO A 595 MP SW</b>
<b>Thermoplastic (breakproof) lacquered</b>		
aluminium	4-channel	<b>ENO A 595 MP AL</b>
<b>matt lacquered</b>		
matt snow white	4-channel	<b>ENO A 595 MP WWM</b>
matt graphite black	4-channel	<b>ENO A 595 MP SWM</b>
matt anthracite	4-channel	<b>ENO A 595 MP ANM</b>
<b>EnOcean radio transmitter with symbols 0 I and ▲▼</b>		
<b>Thermoplastic (breakproof) high-gloss</b>		
ivory	4-channel	<b>ENO A 595 P01</b>
white	4-channel	<b>ENO A 595 P01 WW</b>
black	4-channel	<b>ENO A 595 P01 SW</b>
<b>Thermoplastic (breakproof) lacquered</b>		
aluminium	4-channel	<b>ENO A 595 P01 AL</b>
<b>matt lacquered</b>		
matt snow white	4-channel	<b>ENO A 595 P01 WWM</b>
matt graphite black	4-channel	<b>ENO A 595 P01 SWM</b>
matt anthracite	4-channel	<b>ENO A 595 P01 ANM</b>
<b>EnOcean module for AS and A ranges</b>		
(Spare part)		
for 2- and 4-channel applications		<b>ENO A 42 F</b>
<b>Adhesive film for radio transmitter</b>		
(Spare part)		
		<b>80 KLEFO</b>

- Adhesive fixing in indoor areas on window panes, walls or furniture






The JUNG EnOcean transmitters are compatible with all EnOcean receivers (EnOcean Ingredient Logo) – independent of the manufacturer.  
Via gateways the transmitters can also communicate with various bus systems, e.g. KNX.



Ref.-no.

**LS range****EnOcean radio transmitter****Thermoplastic (breakproof) high-gloss**

ivory	2-channel	 <b>ENO LS 990</b>
white	2-channel	 <b>ENO LS 990 WW</b>
light grey	2-channel	<b>ENO LS 990 LG</b>
black	2-channel	 <b>ENO LS 990 SW</b>

**matt lacquered**

matt snow white	2-channel	<b>ENO LS 990 WWM</b>
matt graphite black	2-channel	<b>ENO LS 990 SWM</b>

**metal colours (thermoplastic lacquered)**

aluminium (lacquered)	2-channel	<b>ENO AL 2990-L</b>
stainless steel (lacquered)	2-channel	<b>ENO ES 2990-L</b>

**EnOcean radio transmitter with symbols 0 I****Thermoplastic (breakproof) high-gloss**

ivory	2-channel	<b>ENO LS 990-01</b>
white	2-channel	<b>ENO LS 990-01 WW</b>
light grey	2-channel	<b>ENO LS 990-01 LG</b>
black	2-channel	<b>ENO LS 990-01 SW</b>

**matt lacquered**

matt snow white	2-channel	<b>ENO LS 990-01 WWM</b>
matt graphite black	2-channel	<b>ENO LS 990-01 SWM</b>

**metal colours (thermoplastic lacquered)**

aluminium (lacquered)	2-channel	<b>ENO AL 2990-01-L</b>
stainless steel (lacquered)	2-channel	<b>ENO ES 2990-01-L</b>

**EnOcean radio transmitter with symbols ▲ ▼****Thermoplastic (breakproof) high-gloss**

ivory	2-channel	<b>ENO LS 990 P</b>
white	2-channel	<b>ENO LS 990 P WW</b>
light grey	2-channel	<b>ENO LS 990 P LG</b>
black	2-channel	<b>ENO LS 990 P SW</b>




**matt lacquered**

matt snow white	2-channel	<b>ENO LS 990 P WWM</b>
matt graphite black	2-channel	<b>ENO LS 990 P SWM</b>

**metal colours (thermoplastic lacquered)**

aluminium (lacquered)	2-channel	<b>ENO AL 2990 P-L</b>
stainless steel (lacquered)	2-channel	<b>ENO ES 2990 P-L</b>

**EnOcean radio transmitter****Thermoplastic (breakproof) high-gloss**

ivory	4-channel	 <b>ENO LS 995</b>
white	4-channel	 <b>ENO LS 995 WW</b>
light grey	4-channel	<b>ENO LS 995 LG</b>
black	4-channel	 <b>ENO LS 995 SW</b>

**matt lacquered**

matt snow white	4-channel	<b>ENO LS 995 WWM</b>
matt graphite black	4-channel	<b>ENO LS 995 SWM</b>

**metal colours (thermoplastic lacquered)**

aluminium (lacquered)	4-channel	<b>ENO AL 2995-L</b>
stainless steel (lacquered)	4-channel	<b>ENO ES 2995-L</b>



The JUNG EnOcean transmitters are compatible with all EnOcean receivers  
(EnOcean Ingredient Logo) – independent of the manufacturer.  
Via gateways the transmitters can also communicate with various bus systems, e.g. KNX.

		Ref.-no.
<b>EnOcean radio transmitter with symbols 0 I</b>		
<b>Thermoplastic (breakproof) high-gloss</b>		
ivory	4-channel	ENO LS 995-01
white	4-channel	ENO LS 995-01 WW
light grey	4-channel	ENO LS 995-01 LG
black	4-channel	ENO LS 995-01 SW
<b>matt lacquered</b>		
matt snow white	4-channel	ENO LS 995-01 WWM
matt graphite black	4-channel	ENO LS 995-01 SWM
<b>metal colours (thermoplastic lacquered)</b>		
aluminium (lacquered)	4-channel	ENO AL 2995-01-L
stainless steel (lacquered)	4-channel	ENO ES 2995-01-L
<b>EnOcean radio transmitter with symbols ▲ ▼</b>		
<b>Thermoplastic (breakproof) high-gloss</b>		
ivory	4-channel	ENO LS 995 MP
white	4-channel	ENO LS 995 MP WW
light grey	4-channel	ENO LS 995 MP LG
black	4-channel	ENO LS 995 MP SW
<b>matt lacquered</b>		
matt snow white	4-channel	ENO LS 995 MP WWM
matt graphite black	4-channel	ENO LS 995 MP SWM
<b>metal colours (thermoplastic lacquered)</b>		
aluminium (lacquered)	4-channel	ENO AL 2995 MP-L
stainless steel (lacquered)	4-channel	ENO ES 2995 MP-L
<b>EnOcean radio transmitter with symbols 0 I and ▲ ▼</b>		
<b>Thermoplastic (breakproof) high-gloss</b>		
ivory	4-channel	ENO LS 995 P01
white	4-channel	ENO LS 995 P01 WW
light grey	4-channel	ENO LS 995 P01 LG
black	4-channel	ENO LS 995 P01 SW
<b>matt lacquered</b>		
matt snow white	4-channel	ENO LS 995 P01 WWM
matt graphite black	4-channel	ENO LS 995 P01 SWM
<b>metal colours (thermoplastic lacquered)</b>		
aluminium (lacquered)	4-channel	ENO AL 2995 P01-L
stainless steel (lacquered)	4-channel	ENO ES 2995 P01-L
<b>EnOcean module for LS range</b>		
(Spare part)		
for 2- and 4-channel applications		ENO LS 42 F
<b>Adhesive film for radio transmitter</b>		
(Spare part)		
		80 KLEFO

- Adhesive fixing in indoor areas on window panes, walls or furniture



# Overview of the advantages

## **SIMPLE, FAST INSTALLATION**

Modular system in which inserts and covers can be combined depending on the required function. Simple connector system for cover and insert and plenty of room for wiring to enable fast working.



## **BACKWARDS COMPATIBILITY**

Only individual modules from existing light and blind management installations can also be replaced by new ones from LB management and "old and new" used together.



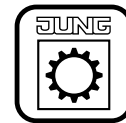
## **TEST BUTTON/OPERATING MODE SWITCH**

At the site, test operation is possible using the test button without the cover. It is also used to set various operating modes. This optimises commissioning even more.



## **CLEVER CONFIG APP**

With this app, the Bluetooth devices of the LB Management are set and operated using a smartphone: Convenient control of the functions, displays of values and states, creation of time controls, and configuration.



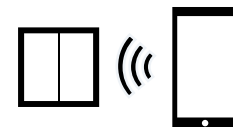
## **CONTROLLING LIGHT, SHADE AND TEMPERATURE**

Light, shading and temperature control in one system and one design. From switching and dimming to comfortable temperature: always easy to operate due to identical covers.



## **CONVENIENT OPERATION**

Manually using control buttons with clear symbols for identification of functions. By Bluetooth from a smartphone. Automatically using a timer switch, presence detector or automatic switch. Always intuitive.



## **BLUETOOTH LOW ENERGY**

With Bluetooth Low Energy, connecting and data transmission are particularly convenient. Therefore, this technology is used for LB Management – not just for configuration but also for operation. Independent of WLAN and networks.



## **INEXPENSIVE RETROFITTING**

In existing light or blind management installations, the components can be easily replaced by a specialist tradesman or further modules seamlessly added. Inexpensive, without great effort.



# LB Management



**STANDARD TIMER WITH DISPLAY**

JUNG LB Management is the new system for modern lighting and automatic shading control. Using the combination of various inserts and covers, the modular system provides a needs-based and easy to use solution for almost every desired function. When retrofitting existing installations, individual components (always insert plus cover) can also be replaced by new devices from LB Management and the others can continue to be used.

# Operating controls



## STANDARD CENTRE PLATE

The standard centre plate is a 1-channel attachment for all LB Management inserts. Operation of light and shade is manual. The button can be actuated at the top, bottom and also full surface. The attachment is available with or without symbols.



## UNIVERSAL CENTRE PLATE

The universal centre plate with memory and lock function is suitable for almost all LB Management inserts. A coloured LED is assigned to each rocker half and is used for the function or status display. Operation is performed manually or automatically. The cover for the automatic shading control is available with appropriate arrow symbols.



## STANDARD TIMER WITH DISPLAY

The blinds centre plate with timer function "standard" is a 1-channel timer for all inserts. The high-quality, real glass surface has an illuminated display and six sensor buttons for operation. The current time can be saved as the switching time using fast programming. The lock function deactivates automatic functions, satellites and timer programmes. Thanks to the Astro function, switching times are adapted to the position of the sun.



## UNIVERSAL TIMER BLUETOOTH

The blinds centre plate with timer function "universal" is an attachment for all inserts for lighting and automatic shading control. It is operated either manually with the two rockers or with a smartphone using the Clever Config app. Colour LEDs for function display and the appropriate button imprints optimise use.



## ROOM THERMOSTAT WITH DISPLAY

With the room thermostat, JUNG integrates the temperature control in LB Management. The new thermostat is identical to the standard timer with display in both design and operating concept. The temperature can thus be controlled as effortlessly as lighting or blinds.

# Inserts

## LIGHT INSERTS

From simple switching to dimming energy saving lamps or Tunable White control, the light inserts provide all possibilities. Possible as a master unit just as much as a satellite unit.



Relay switch insert 1-channel



Electronic switch insert 1-channel



Pulse insert



Standard touch dimmer insert LED



Universal touch dimmer insert LED



Power DALI push-button controller TW



Satellite insert 2-wire



Satellite insert 3-wire

## BLIND INSERTS

All requirements for modern automatic shading control are covered with the two blind inserts “Standard” and “Universal” in combination with the LB Management covers.



Standard blinds insert



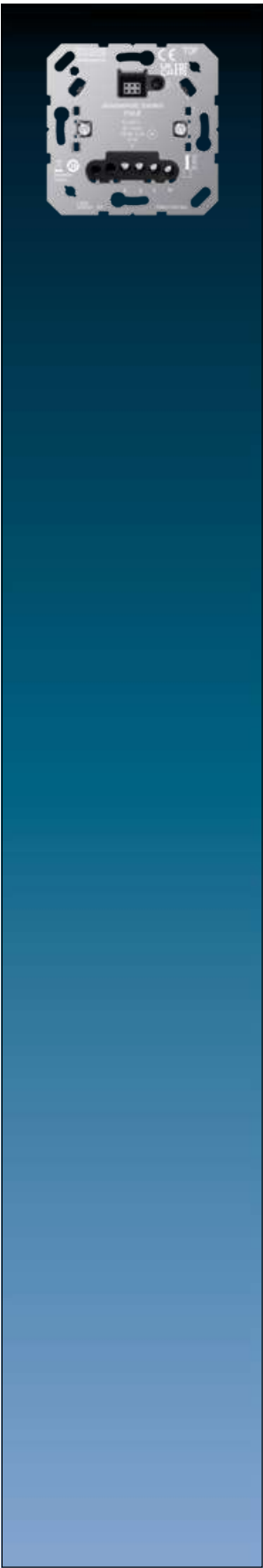
Universal blinds insert

## THERMOSTAT INSERT

The room thermostat has time programs available and can if required be used for heating or cooling.



Room thermostat insert



Ref.-no.	
<b>Standard blinds insert</b>	
without satellite input	
for covers ref.-no.: .. 1700 .., .. 1701 .., .. 1750 D .., .. 1751 BT ..	
<b>1730 JE</b>	
<b>Intended use</b>	
<ul style="list-style-type: none"><li>• Controlling electrically driven blinds, shutters and awnings</li><li>• Automatic time control via cover</li><li>• Operation with suitable cover of the LB Management</li><li>• Installation in flush box according to EN 60670-1</li></ul>	
<b>Product characteristics</b>	
<ul style="list-style-type: none"><li>• Automatic control via timer</li><li>• Test operation for functional test</li><li>• Pole changing of outputs for simplified commissioning from version V01 upwards</li><li>• Saving of a ventilation position possible using the cover</li></ul>	
<b>Technical data</b>	
Rated voltage:	AC 230 V ~
Mains frequency:	50/60 Hz
Ambient temperature:	-5 ... +45 °C
Contact type:	μ
Stand-by power:	max. 0.5 W
Running time:	approx. 120 s
Connected load	
Motors:	700 W
Connection	
Connection mode:	screw terminals
single wire:	1 x 0.5 ... 4.0 mm <sup>2</sup> 2 x 0.5 ... 2.5 mm <sup>2</sup>
stranded without ferrule:	1 x 0.5 ... 4.0 mm <sup>2</sup> 2 x 0.5 ... 2.5 mm <sup>2</sup>
stranded with ferrule:	1 x 0.5 ... 4.0 mm <sup>2</sup> 2 x 0.5 ... 1.5 mm <sup>2</sup>

	Ref.-no.
<b>Universal blinds insert</b> with satellite input for covers ref.-no.: .. 1700 .., .. 1701 .., .. 1750 D .., .. 1751 BT ..	
	<b>1731 JE</b>

**Intended use**

- Controlling electrically driven blinds, shutters and awnings
- Automatic time control via cover or satellite input
- Operation with suitable cover of the LB Management
- Installation in flush box according to EN 60670-1

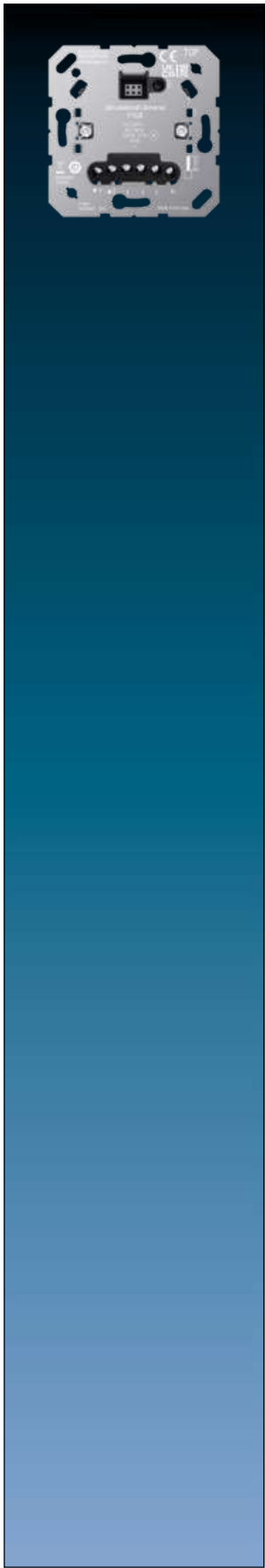
**Product characteristics**

- The integration into group controls or master controls is possible by means of extension inputs
- Automatic control via timer
- Test operation for functional test
- Operation as a main device or extension unit
- Wind alarm interlock via the extension input
- Pole changing of outputs for simplified commissioning from version V01 upwards
- Saving of a ventilation position possible using the cover

**Technical data**

Rated voltage:	AC 230 V ~
Mains frequency:	50/60 Hz
Ambient temperature:	-5 ... +45 °C
Contact type:	μ
Stand-by power:	max. 0.2 W
Running time:	approx. 120 s
Connected load	
Motors:	700 W
Connection	
Connection mode:	screw terminals
single wire:	1 x 0.5 ... 4.0 mm <sup>2</sup> 2 x 0.5 ... 2.5 mm <sup>2</sup>
stranded without ferrule:	1 x 0.5 ... 4.0 mm <sup>2</sup> 2 x 0.5 ... 2.5 mm <sup>2</sup>
stranded with ferrule:	1 x 0.5 ... 4.0 mm <sup>2</sup> 2 x 0.5 ... 1.5 mm <sup>2</sup>

**Decoupling relays, weather station and awning control: starting from page 290**





Ref.-no.

## Standard touch dimmer insert LED

without satellite input

for covers ref.-no.: .. 1700 .., .. 1701 .., .. 1750 D .., .. 1751 BT .., .. 17180 .., .. 17280 .., .. 17181 .., .. 17281 .., DWPM 17360 ..

1710 DE

### Intended use

- Switching and dimming of lighting
- Operation with suitable cover of the LB Management
- Installation in flush box according to EN 60670-1

### Product characteristics

- Device works according to the leading edge phase control or trailing edge phase control principle
- Automatic or manual setting of the dimming principle suitable for the load
- Display of the set operating mode by means of LED
- Device can be operated without neutral conductor
- Switch-on via bulb-preserving soft start
- Switch-on with last brightness or saved switch-on brightness
- Switch-on brightness can be saved permanently
- Minimum brightness can be saved permanently
- Electronic short-circuit protection with permanent switch-off after 7 seconds at the latest
- Electronic over-temperature protection
- Test operation for functional test
- Power extension possible by means of power boosters (ref.-no. ULZ 1755 REG)
- Optional accessory: compensation module LED, ref.-no.: KM LED 230 U

### Technical data

Rated voltage: AC 230 V ~  
Mains frequency: 50/60 Hz  
Power loss: approx. 2 W  
Ambient temperature: -5 ... +45 °C  
Connected load at 25 °C

Incandescent lamps: 20 ... 210 W  
HV halogen lamps: 20 ... 210 W  
Electronic transformers: 20 ... 210 W  
Electronic transformers with LV LED: typical 20 ... 60 W  
Inductive transformers: 20 ... 210 VA  
Inductive transformers with LV LED: typical 20 ... 60 VA  
Dimmable HV LED lamps: typical 3 ... 60 W  
Dimmable compact fluorescent lamps: typical 3 ... 60 W

With setting "LED trailing edge phase control" the max. connection power for HV LED lamps and electronic transformers with LV LED doubles.

Ohmic-capacitive: 20 ... 210 W  
Capacitive-inductive: not permitted  
Ohmic-inductive: 20 ... 210 VA  
Ohmic and HV LED: typical 3 ... 60 W  
Ohmic and CFL: typical 3 ... 60 W

Amplifiers: see instructions for amplifier

Connection: screw terminals

single wire: 1 x 0.5 ... 4.0 mm<sup>2</sup>  
2 x 0.5 ... 2.5 mm<sup>2</sup>

stranded without ferrule: 1 x 0.5 ... 4.0 mm<sup>2</sup>  
2 x 0.5 ... 2.5 mm<sup>2</sup>

stranded with ferrule: 1 x 0.5 ... 4.0 mm<sup>2</sup>  
2 x 0.5 ... 1.5 mm<sup>2</sup>

Total length power cable: max. 100 m





Ref.-no.

## Universal touch dimmer insert LED

with satellite input

for covers ref.-no.: .. 1700 .., .. 1701 .., .. 1750 D .., .. 1751 BT .., .. 17180 ..,  
.. 17280 .., .. 17181 .., .. 17281 .., DWPM 17360 ..

1711 DE

### Intended use

• Switching and dimming of lighting • Operation with suitable cover of the LB Management • Installation in flush box according to EN 60670-1

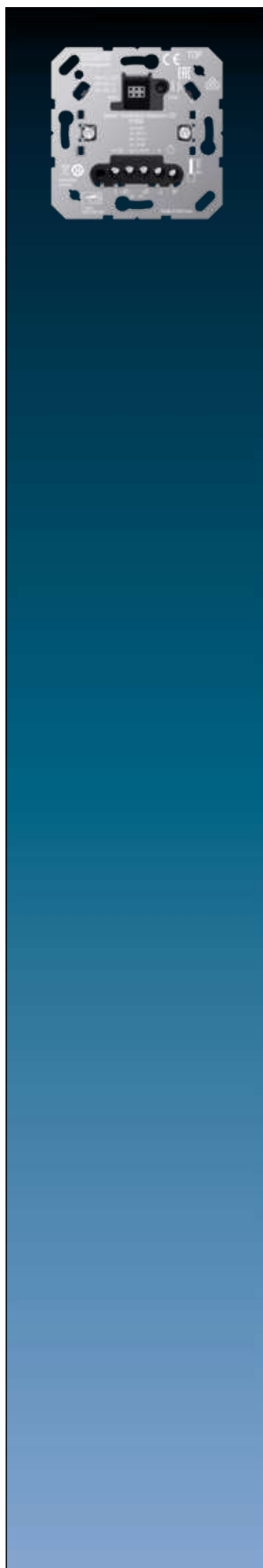
### Product characteristics

• Device works according to the leading edge phase control or trailing edge phase control principle • Automatic or manual setting of the dimming principle suitable for the load • Display of the set operating mode by means of LED • Device can be operated without neutral conductor • Switch-on via bulb-preserving soft start • Switch-on with last brightness or saved switch-on brightness • Switch-on brightness can be saved permanently • Minimum brightness can be saved permanently • Connection of satellite units possible • Electronic short-circuit protection with permanent switch-off after 7 seconds at the latest • Electronic over-temperature protection • Test operation for functional test • Key card function • Power extension possible by means of power boosters (ref.-no. ULZ 1755 REG) • Optional accessory: compensation module LED, ref.-no.: KM LED 230 U

### Technical data

Rated voltage:	AC 230 V ~
Mains frequency:	50/60 Hz
Stand-by power depending on the cover:	approx. 0.1 ... 0.5 W
Power loss:	approx. 4 W
Ambient temperature:	-5 ... +45 °C
Connected load at 25 °C	
Incandescent lamps:	20 ... 420 W
HV halogen lamps:	20 ... 420 W
Electronic transformers:	20 ... 420 W
Electronic transformers with LV LED:	typical 20 ... 100 W
Inductive transformers:	20 ... 420 VA
Inductive transformers with LV LED:	typical 20 ... 100 VA
Dimmable HV LED lamps:	typical 3 ... 100 W
Dimmable compact fluorescent lamps:	typical 3 ... 100 W
Operating mode LED trailing edge phase control: Rated power for HV LED lamps, typ. 3 ... 400 W, electronic transformers with LV LED typ. 20 ... 200 W.	
Ohmic-capacitive:	20 ... 420 W
Capacitive-inductive:	not permitted
Ohmic-inductive:	20 ... 420 VA
Ohmic and HV LED:	typical 3 ... 100 W
Ohmic and CFL:	typical 3 ... 100 W
Amplifiers:	see instructions for amplifier
Connection:	screw terminals
single wire:	1 x 0.5 ... 4.0 mm <sup>2</sup> 2 x 0.5 ... 2.5 mm <sup>2</sup>
stranded without ferrule:	1 x 0.5 ... 4.0 mm <sup>2</sup> 2 x 0.5 ... 2.5 mm <sup>2</sup>
stranded with ferrule:	1 x 0.5 ... 4.0 mm <sup>2</sup> 2 x 0.5 ... 1.5 mm <sup>2</sup>
Number of satellite units	
Satellite insert 2-wire 1720 NE:	unlimited
Satellite insert 3-wire 1723 NE:	10
Rotary satellite insert 3-wire 1733 DNE:	10
Push-buttons:	unlimited
Total length of extension unit cable:	max. 100 m
Total length power cable:	max. 100 m





Ref.-no.

## Universal 2-gang touch dimmer insert LED

with satellite input  
for covers ref.-no.: .. 1702 ..

1712 DE

### Intended use

- Switching and dimming of lighting
- Operation with suitable cover of the LB Management
- Installation in flush box according to EN 60670-1

### Product characteristics

- Two independent outputs for two light groups • Asymmetric load distribution possible • Device works according to the leading edge phase control or trailing edge phase control principle • Automatic or manual setting of the dimming principle suitable for the load • Display of the set operating mode by means of LED
- Device can be operated without neutral conductor • Switch-on via bulb-preserving soft start • Switch-on with last brightness or saved switch-on brightness • Switch-on brightness can be saved permanently • Minimum brightness can be saved permanently • Connection of satellite units possible • Electronic short-circuit protection with permanent switch-off after 7 seconds at the latest • Electronic over-temperature protection
- Test operation for functional test • Power extension possible by means of power boosters (ref.-no. ULZ 1755 REG) • Optional accessory: compensation module LED, ref.-no.: KM LED 230 U

### Technical data

Rated voltage:	AC 230 V ~
Mains frequency:	50/60 Hz
Stand-by power depending on the cover:	approx. 0.1 ... 0.5 W
Power loss:	approx. 4 W
Ambient temperature:	-5 ... +45 °C
Connected load per output at 25 °C	
Incandescent lamps:	20 ... 210 W
HV halogen lamps:	20 ... 210 W
Electronic transformers:	20 ... 210 W
Electronic transformers with LV LED:	typical 20 ... 50 W
Inductive transformers:	20 ... 210 VA
Inductive transformers with LV LED:	typical 20 ... 50 VA
Dimmable HV LED lamps:	typical 3 ... 50 W
Dimmable compact fluorescent lamps:	typical 3 ... 50 W
With setting "LED trailing edge phase control" the max. connection power for HV LED lamps and electronic transformers with LV LED doubles.	
Ohmic-capacitive:	20 ... 210 W
Capacitive-inductive:	not permitted
Ohmic-inductive:	20 ... 210 VA
Ohmic and HV LED:	typical 3 ... 50 W
Ohmic and CFL:	typical 3 ... 50 W
Amplifiers:	see instructions for amplifier
Connection:	screw terminals
single wire:	1 x 0.5 ... 4.0 mm <sup>2</sup>
	2 x 0.5 ... 2.5 mm <sup>2</sup>
stranded without ferrule:	1 x 0.5 ... 4.0 mm <sup>2</sup>
	2 x 0.5 ... 2.5 mm <sup>2</sup>
stranded with ferrule:	1 x 0.5 ... 4.0 mm <sup>2</sup>
	2 x 0.5 ... 1.5 mm <sup>2</sup>
Number of satellite units	
Satellite insert 2-wire 1720 NE:	unlimited
Satellite insert 3-wire 1723 NE:	10
Rotary satellite insert 3-wire 1733 DNE:	10
Push-buttons:	unlimited
Total length of extension unit cable:	max. 100 m
Total length power cable:	max. 100 m



Ref.-no.

**Power DALI push-button controller TW**

with satellite input  
for covers ref.-no.: .. 1700 .., .. 1701 .., .. 1702 .., .. 1750 D .., .. 1751 BT ..,  
.. 17180 .., .. 17280 .., .. 17181 .., .. 17281 .., DWPM 17360 ..

**1713 DSTE**

**Intended use**

- Switching and brightness setting for luminaires with DALI interface
- Setting of colour temperature for luminaires with DALI Device Type 8 for tunable white acc. to IEC 62386-209
- Operation with suitable cover of the LB Management
- If several automatic switches are to be used, a DALI push-button controller can be connected to up to five 3-wire satellite inserts. Parallel connection of several DALI push-button controllers with automatic switches or motion/presence detectors is not possible.
- Installation in flush box according to EN 60670-1

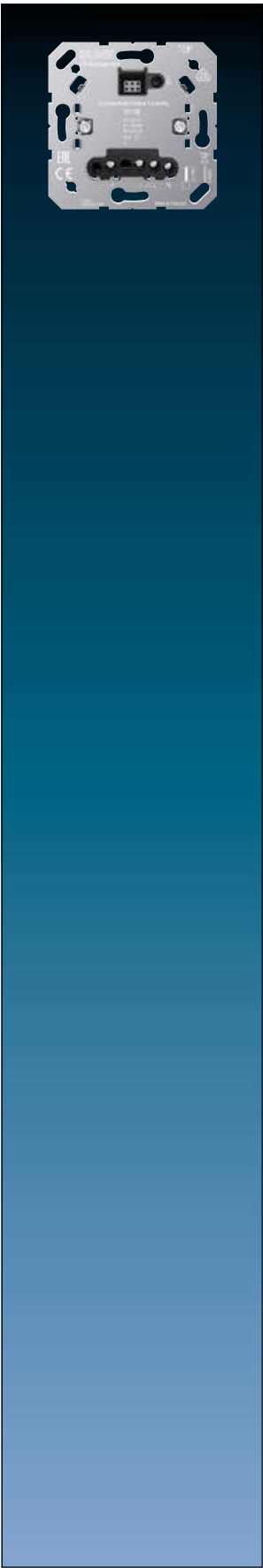
**Product characteristics**

- DALI supply for a maximum of 18 subscribers
- Parallel switching of up to 4 DALI control units with the option of supplying up to 72 DALI subscribers
- Saving of minimum brightness, coldest and warmest colour temperature
- Switch-on with last brightness / colour temperature or saved switch-on brightness / colour temperature
- With centre plate 2-gang: Adjustment of the colour temperature via right rocker
- Test operation for functional test

**Technical data**

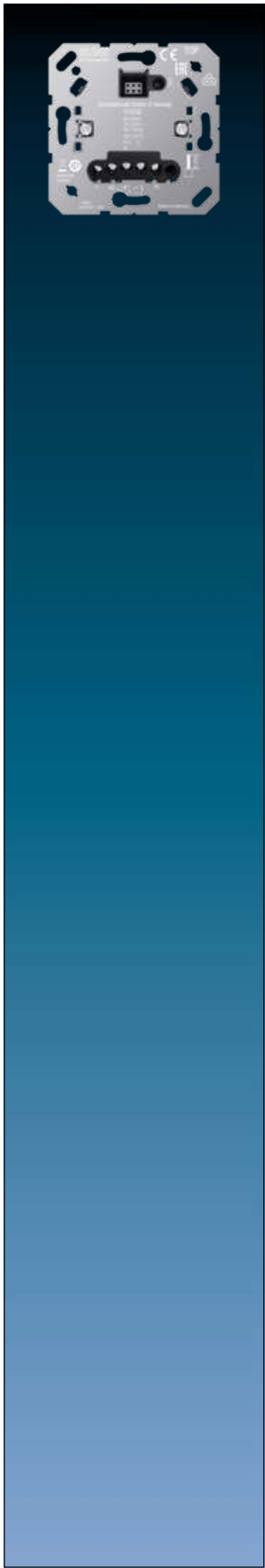
Rated voltage:	AC 230 V ~
Mains frequency:	50/60 Hz
Power consumption:	max. 2.8 W
Ambient temperature:	-5 ... +45 °C
Rated voltage DALI:	DC 16 V
Output current:	max. 36 mA
Short-circuit current:	max. 60 mA
Colour temperature setting:	2,000 ... 10,000 K
Number of DALI devices:	max. 18
Number of control units in parallel:	max. 4
Connection:	screw terminals
single wire:	1 x 0.5 ... 4.0 mm <sup>2</sup> 2 x 0.5 ... 2.5 mm <sup>2</sup>
stranded without ferrule:	1 x 0.5 ... 4.0 mm <sup>2</sup> 2 x 0.5 ... 2.5 mm <sup>2</sup>
stranded with ferrule:	1 x 0.5 ... 4.0 mm <sup>2</sup> 2 x 0.5 ... 1.5 mm <sup>2</sup>

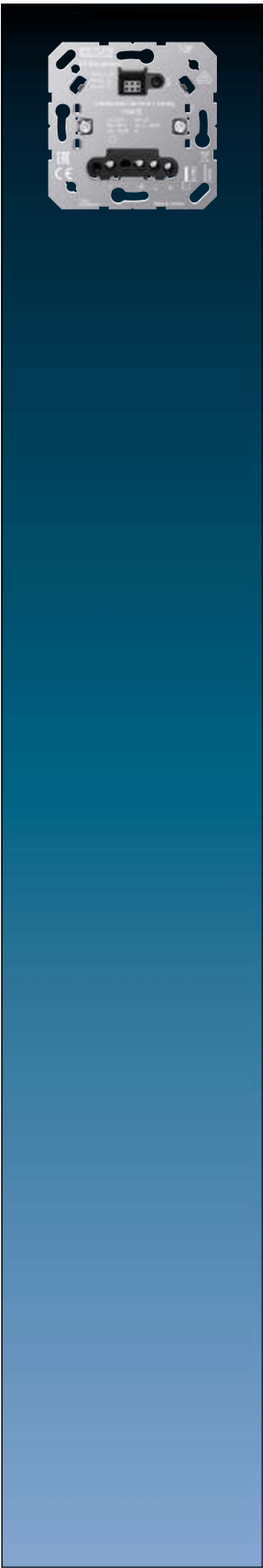




Ref.-no.	
<b>Relay switch insert 1-channel</b>	
with satellite input	
for covers ref.-no.: .. 1700 .., .. 1701 .., .. 1750 D .., .. 1751 BT .., .. 17180 .., .. 17280 .., .. 17181 .., .. 17281 .., DWPM 17360 ..	
for displays ref.-no.: .. 1790 D ..	
<b>1701 SE</b>	
<b>Intended use</b>	
<ul style="list-style-type: none"><li>• Switching of lighting and motors</li><li>• Operation with suitable cover of the LB Management</li><li>• Controlling of electric underfloor heating systems and electrothermal valve drives in combination with a room thermostat cover</li><li>• Installation in flush box according to EN 60670-1</li></ul>	
<b>Product characteristics</b>	
<ul style="list-style-type: none"><li>• Connection of satellite units possible</li><li>• Run-on times adjustable</li><li>• Test operation for functional test</li><li>• Adaptive zero-point switching</li></ul>	
<b>Technical data</b>	
Rated voltage:	AC 230 V ~
Mains frequency:	50/60 Hz
Stand-by power depending on the cover:	approx. 0.1 ... 0.5 W
Switching current at 35 °C	
Ohmic:	16 A (AC1)
Connected load	
Incandescent lamps:	2300 W
HV halogen lamps:	2300 W
Electronic transformers:	1500 W
Inductive transformers:	1000 VA
HV LED lamps:	typical 400 W
Compact fluorescent lamps:	typical 500 W
Fluorescent lamps	
non-compensated:	1200 VA
Motor switching current:	6 A
Capacitive load:	920 VA (115 µF)
Connection:	screw terminals
single wire:	1 x 0.5 ... 4.0 mm <sup>2</sup>
	2 x 0.5 ... 2.5 mm <sup>2</sup>
stranded without ferrule:	1 x 0.5 ... 4.0 mm <sup>2</sup>
	2 x 0.5 ... 2.5 mm <sup>2</sup>
stranded with ferrule:	1 x 0.5 ... 4.0 mm <sup>2</sup>
	2 x 0.5 ... 1.5 mm <sup>2</sup>
Ambient temperature:	-25 ... +45 °C
Storage/transport temperature:	-20 ... +70 °C
Number of satellite units	
Satellite insert 2-wire 1720 NE:	unlimited
Satellite insert 3-wire 1723 NE:	10
Push-buttons:	unlimited
Shut-off delay:	without, 1 min, 5 min, 30 min, 60 min

Ref.-no.	
<b>Relay switch insert 2-channel</b> with satellite input for covers ref.-no.: .. 1700 .., .. 1701 .., .. 1702 .., .. 1750 D .., .. 1751 BT .., .. 17180 .., .. 17280 .., .. 17181 .., .. 17281 .., DWPM 17360 ..	
<b>1702 SE</b>	
<b>Intended use</b> <ul style="list-style-type: none"><li>• Switching of lighting and motors</li><li>• Operation with suitable cover of the LB Management</li><li>• Installation in flush box according to EN 60670-1</li></ul>	<ul style="list-style-type: none"><li>• Output a2 switches depending on output a1 e.g. to switch on ventilation, depending on the lighting, and switch it off with a delay.</li><li>• Switch-on delay of output a2 adjustable</li><li>• Run-on time of output a2 adjustable</li></ul>
<b>Product characteristics</b> <ul style="list-style-type: none"><li>• Connection of satellite units possible</li><li>• Test operation for functional test</li></ul> <p>In combination with centre plate 2-gang:<ul style="list-style-type: none"><li>• Two independent outputs</li><li>• Time function for output a2 adjustable</li></ul><p>In combination with centre plate (ref.-no. ..1700.., ..1701..), timer, automatic switch:</p></p>	<p>In combination with satellite insert 3-wire and centre plate 2-gang:<ul style="list-style-type: none"><li>• Two independent outputs</li></ul><p>In combination with satellite insert 2-wire, rotary satellite insert or push-button:<ul style="list-style-type: none"><li>• Output a2 switches depending on output a1 e.g. to switch on ventilation, depending on the lighting, and switch it off with a delay.</li></ul></p></p>
<b>Technical data</b> <p>Rated voltage: AC 230 V ~ Mains frequency: 50/60 Hz Stand-by power depending on the cover: approx. 0.1 ... 0.5 W Ambient temperature: -25 ... +45 °C Storage/transport temperature: -20 ... +70 °C Switching current per device: <math>\Sigma</math> 16 A Switching current per channel for 25 °C     Ohmic: 10 A (AC1)     Motors: 3 A (cos <math>\varphi</math> = 0.68) Connected load per channel for 25 °C     Incandescent lamps: 1500 W     HV halogen lamps: 1500 W     Electronic transformers: 1000 W     Inductive transformers: 625 VA     HV LED lamps: typical 500 W     Compact fluorescent lamps: typical 500 W     Fluorescent lamps non-compensated: 750 VA     Capacitive load: 580 VA (70 <math>\mu</math>F) Connection: screw terminals     single wire: 1 x 0.5 ... 4.0 mm<sup>2</sup>                   2 x 0.5 ... 2.5 mm<sup>2</sup>     stranded without ferrule: 1 x 0.5 ... 4.0 mm<sup>2</sup>                                   2 x 0.5 ... 2.5 mm<sup>2</sup>     stranded with ferrule: 1 x 0.5 ... 4.0 mm<sup>2</sup>                                   2 x 0.5 ... 1.5 mm<sup>2</sup> Number of satellite units     Satellite insert 2-wire 1720 NE: unlimited     Satellite insert 3-wire 1723 NE: 10     Rotary satellite insert 3-wire 1733 DNE: 10     Push-buttons: unlimited Shut-off delay: without, 1 min, 5 min, 30 min, 60 min Switch-on delay: without, 3 min</p>	





Ref.-no.

**Electronic switch insert 1-channel**

with satellite input  
for covers ref.-no.: .. 1700 .., .. 1701 .., .. 1750 D .., .. 1751 BT .., .. 17180 ..,  
.. 17280 .., .. 17181 .., .. 17281 .., DWPM 17360 ..  
for displays ref.-no.: .. 1790 D ..

**1704 ESE**

**Intended use**

- Operation with suitable cover of the LB Management
- Installation in flush box according to EN 60670-1

**Operation with neutral conductor:**

- Switching of incandescent lamps, HV halogen lamps, electronic or inductive transformers with halogen or LED lamps, switchable or dimmable HV-LED or compact fluorescent lamps

**Operation without neutral conductor:**

- Switching of incandescent lamps, HV halogen lamps, electronic or inductive transformers with halogen or LED lamps, dimmable HV-LED or compact fluorescent lamps

**Product characteristics**

- Switch-on via bulb-preserving soft start
- Connection of satellite units possible
- Electronic short-circuit protection with permanent switch-off after 7 seconds at the latest
- Electronic over-temperature protection
- Test operation for functional test

**Operation with neutral conductor:**

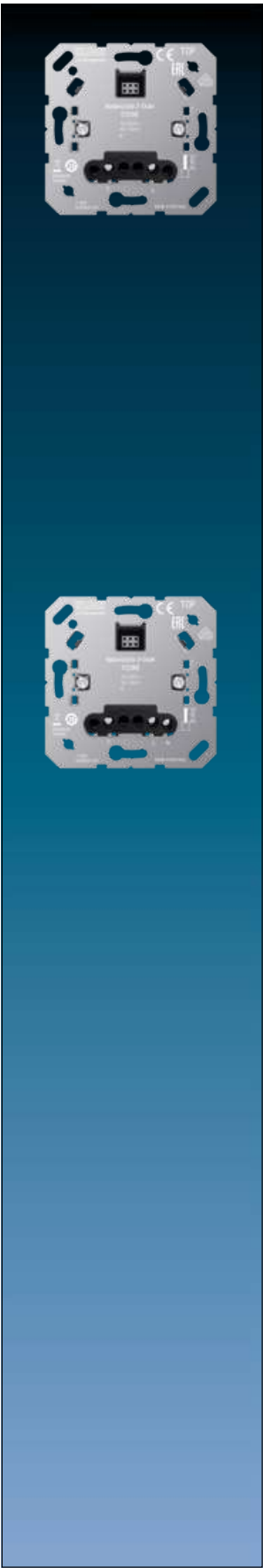
- Device is powered via phase conductor and neutral conductor , therefore there is no leading edge phase control or trailing edge phase control

**Operation without neutral conductor:**

- Device is powered via the phase conductor and the connected load and therefore works in the leading edge phase control or trailing edge phase control principle
- Automatic or manual setting of the operating mode suitable for the load
- Display of the set operating mode by means of LED

## Technical data

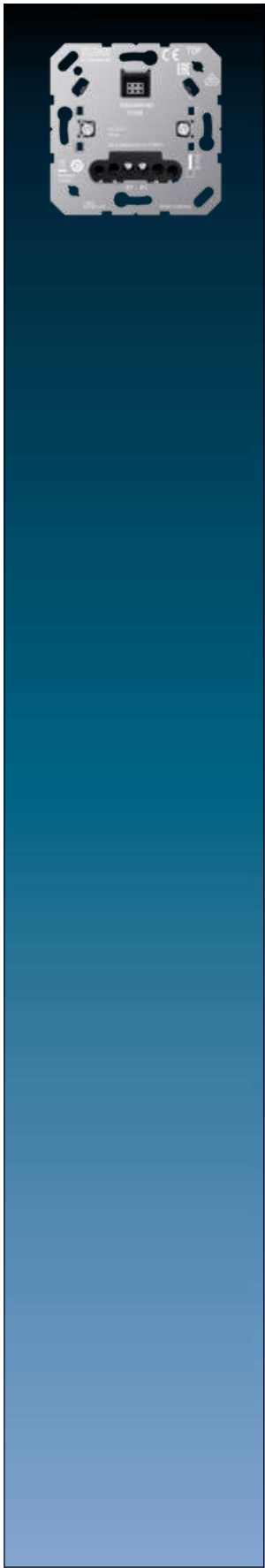
Rated voltage:	AC 230 V ~
Mains frequency:	50/60 Hz
Stand-by power:	approx. 0.25 W
Power loss:	approx. 4 W
Ambient temperature:	-5 ... +45 °C
Connected load at 25 °C	
Incandescent lamps:	20 ... 400 W
HV halogen lamps:	20 ... 400 W
Electronic transformers:	20 ... 400 W
Electronic transformers with LV LED:	20 ... 100 W
Inductive transformers:	20 ... 400 VA
Inductive transformers with LV LED:	20 ... 100 VA
HV LED lamps:	typical 3 ... 100 W
Compact fluorescent lamps:	typical 3 ... 100 W
When operating with neutral conductor or without neutral conductor	
in operating mode LED trailing edge phase control:	
Connection power for HV LED lamps typ. 3 ... 200 W,	
electronic transformers with LV LED typ. 20 ... 200 W.	
Ohmic-capacitive:	20 ... 400 W
Capacitive-inductive:	not permitted
Ohmic-inductive:	20 ... 400 VA
Ohmic and HV LED:	typical 3 ... 100 W
Ohmic and CFL:	typical 3 ... 100 W
Operation without neutral conductor in operating mode <b>R,L,C,LED</b> :	
Ohmic-inductive mixed load: maximum 50 % proportion of ohmic load.	
Otherwise incorrect calibration of the dimmer may result.	
Operation without neutral conductor: Minimum load 50 W.	
Does not apply to loads with HV LED and compact fluorescent lamps.	
When using LED lamps that are not dimmable the neutral conductor must be connected.	
Connection:	screw terminals
single wire:	1 x 0.5 ... 4.0 mm <sup>2</sup>
	2 x 0.5 ... 2.5 mm <sup>2</sup>
stranded without ferrule:	1 x 0.5 ... 4.0 mm <sup>2</sup>
	2 x 0.5 ... 2.5 mm <sup>2</sup>
stranded with ferrule:	1 x 0.5 ... 4.0 mm <sup>2</sup>
	2 x 0.5 ... 1.5 mm <sup>2</sup>
Number of satellite units	
Satellite insert 2-wire 1720 NE:	unlimited
Satellite insert 3-wire 1723 NE:	5
Push-buttons:	unlimited
Total length of extension unit cable:	max. 100 m
Total length power cable:	max. 100 m

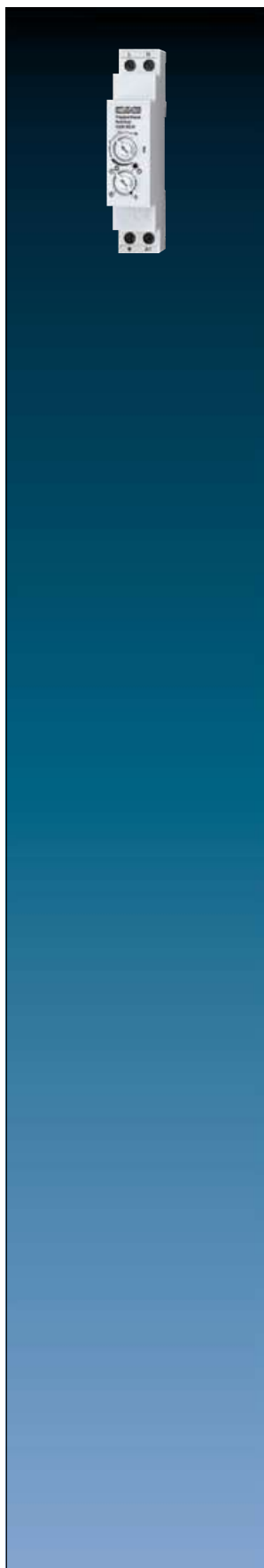


Ref.-no.	
<b>Satellite insert 2-wire</b>	
for covers ref.-no.: .. 1700 ..	
<b>1720 NE</b>	
<b>Intended use</b>	
<ul style="list-style-type: none"><li>• Extension unit operation of suitable inserts of the LB Management</li><li>• Operation with standard centre plate</li><li>• Installation in flush box according to EN 60670-1</li></ul>	
<b>Technical data</b>	
Rated voltage:	AC 230 V ~
Mains frequency:	50/60 Hz
Ambient temperature:	-20 ... +45 °C
Connection:	screw terminals
single wire:	1 x 0.5 ... 4.0 mm <sup>2</sup> 2 x 0.5 ... 2.5 mm <sup>2</sup>
stranded without ferrule:	1 x 0.5 ... 4.0 mm <sup>2</sup> 2 x 0.5 ... 2.5 mm <sup>2</sup>
stranded with ferrule:	1 x 0.5 ... 4.0 mm <sup>2</sup> 2 x 0.5 ... 1.5 mm <sup>2</sup>
Total length of extension unit cable:	max. 100 m
<b>Satellite insert 3-wire</b>	
for covers ref.-no.: .. 1700 .., .. 1701 .., .. 1702 .., .. 1750 D .., .. 1751 BT .., .. 17180 .., .. 17280 .., .. 17181 .., .. 17281 .., DWPM 17360 ..	
<b>1723 NE</b>	
<b>Intended use</b>	
<ul style="list-style-type: none"><li>• Extension unit operation of suitable inserts of the LB Management</li><li>• Satellite for extending the detection field of motion and presence detectors</li><li>• Central control of multiple main devices</li><li>• Operation with suitable cover of the LB Management</li><li>• Installation in flush box according to EN 60670-1</li><li>• Neutral conductor required</li></ul>	
<b>Technical data</b>	
Rated voltage:	AC 230 V ~
Mains frequency:	50/60 Hz
Ambient temperature:	-20 ... +45 °C
Connection:	screw terminals
single wire:	1 x 0.5 ... 4.0 mm <sup>2</sup> 2 x 0.5 ... 2.5 mm <sup>2</sup>
stranded without ferrule:	1 x 0.5 ... 4.0 mm <sup>2</sup> 2 x 0.5 ... 2.5 mm <sup>2</sup>
stranded with ferrule:	1 x 0.5 ... 4.0 mm <sup>2</sup> 2 x 0.5 ... 1.5 mm <sup>2</sup>
Total length of extension unit cable:	max. 100 m



Ref.-no.	
<b>Pulse insert</b> for covers ref.-no.: .. 1700 .., .. 1700 P .., .. 17180 .., .. 17280 .., .. 17181 .., .. 17281 .., DWPM 17360 ..	
<b>1708 IE</b>	
<b>Intended use</b> <ul style="list-style-type: none"><li>• Manual or automatic control of the power unit ref.-no. 1208 REG</li><li>• Operation with suitable cover of the LB Management</li><li>• Installation in flush box according to EN 60670-1</li></ul>	
<b>Product characteristics</b> <ul style="list-style-type: none"><li>• Manual switching in combination with standard centre plate ref.-no.: .. 1700 .., .. 1700 P ..</li><li>• Automatic switching in combination with motion detectors of the LB Management</li><li>• Operation in 3- or 4-conductor circuit</li><li>• Insert designed with 2-wire technology</li></ul>	
<b>Technical data</b>	
Rated voltage:	AC 230 V ~
Mains frequency:	50 Hz
Power consumption:	0.25 ... 0.45 W
Current consumption:	approx. 2.8 mA
Ambient temperature:	-5 ... +45 °C
Pulse duration:	approx. 60 ms
Pulse interval:	approx. 8 s
Connection:	screw terminals
single wire:	1 x 0.5 ... 4.0 mm <sup>2</sup> 2 x 0.5 ... 2.5 mm <sup>2</sup>
stranded without ferrule:	1 x 0.5 ... 4.0 mm <sup>2</sup> 2 x 0.5 ... 2.5 mm <sup>2</sup>
stranded with ferrule:	1 x 0.5 ... 4.0 mm <sup>2</sup> 2 x 0.5 ... 1.5 mm <sup>2</sup>





Ref.-no.

## Power unit for rail mounting

**1208 REG**

### Intended use

- Manual or automatic switching of light in stairways
- Installation in distribution boxes on DIN rail according to EN 60715
- Switch-on via pulse insert or push-button

### Product characteristics

- Run-on time adjustable
- Electronic overload protection for the control input

Four different operating modes can be set:

- Automatic function without switch-off warning
- Automatic function with switch-off warning
- Light switched ON continuously
- Light switched OFF continuously

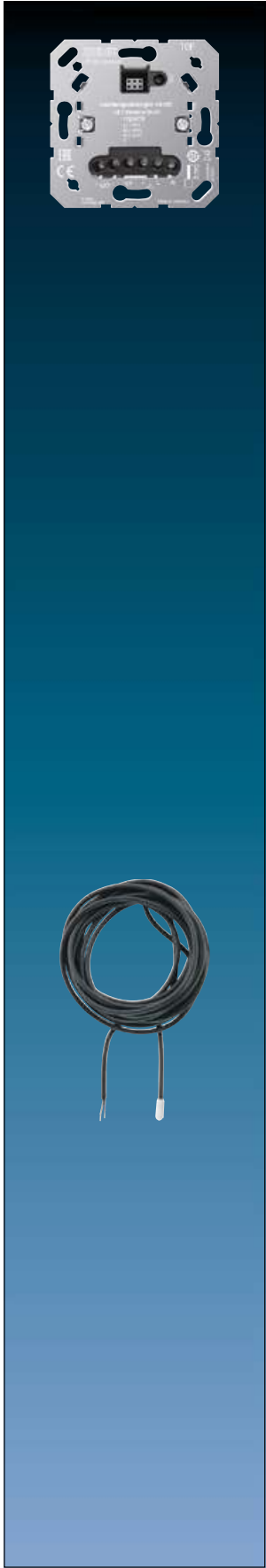
### Automatic switching of light

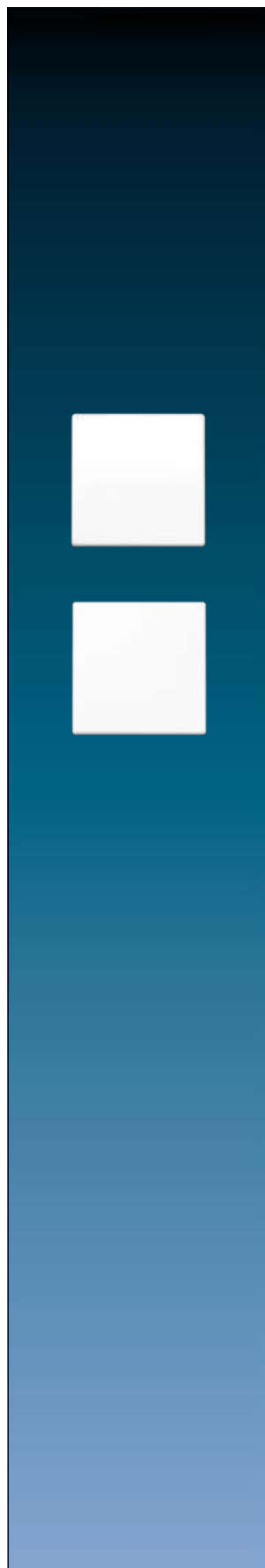
The pulse insert is combined with a motion detector cover. As soon as the brightness drops below a value set on the motion detector cover and motions are detected, the pulse insert sends a switch-on signal cyclically to the automatic RMD. The latter switches on the light for the set run-on time. After the run-on time has elapsed, the automatic RMD switches the light off. After switch-off, pulse inserts with motion detector covers will not detect any motions for approx. 3 seconds.

### Technical data

Rated voltage:	AC 230 V ~
Mains frequency:	50 Hz
Power consumption:	approx. 1 W
Ambient temperature:	+5 ... +45 °C
Shut-off delay:	approx. 10 s ... 15 min
Shut-off delay tolerance:	± 20 %
Permissible current for control input A1:	max. 40 mA
Switching voltage:	AC 250 V ~
Switching current	
Ohmic:	16 A
Switch-on current 20 ms:	max. 165 A
Connected load	
Incandescent lamps:	2300 W
HV halogen lamps:	2300 W
HV LED lamps:	400 W
Fluorescent lamps	
parallel compensated:	920 W
Fluorescent lamps	
non-compensated:	1200 VA
Fluorescent lamps lead-lag circuit:	2300 W / 140 µF
Electronic transformers:	1500 W
Inductive transformers:	1000 VA
Electronic ballast:	depending on type
Mounting width:	18 mm (1 rail unit)
Total length power cable:	max. 100 m
Total length of control cable:	max. 100 m
Connection:	screw terminals
single wire:	1 x 0.75 ... 4.0 mm <sup>2</sup>
	2 x 0.75 ... 2.5 mm <sup>2</sup>
stranded without ferrule:	1 x 0.75 ... 4.0 mm <sup>2</sup>
	2 x 0.75 ... 2.5 mm <sup>2</sup>
stranded with ferrule:	1 x 0.5 ... 2.5 mm <sup>2</sup>

Ref.-no.																					
<b>Room thermostat insert</b> with sensor connection for displays ref.-no.: .. 1790 D ..																					
1790 RTR																					
<b>Intended use</b> <ul style="list-style-type: none"><li>• Switching of electric underfloor heating systems and electrothermal valve drives</li><li>• Operation with room temperature controller cover of the LB Management</li><li>• Installation in flush box according to EN 60670-1</li></ul>																					
<b>Product characteristics</b> <ul style="list-style-type: none"><li>• Pulse width modulation (PWM) or two-point control (on/off)</li><li>• Enables connection of a remote sensor (ref.-no.: FF 7.8)</li><li>• Input for switching to cooling mode</li><li>• Interrupts the heating process after 60 minutes (overheating protection of a heater)</li></ul>																					
<b>Technical data</b> <table><tr><td>Rated voltage:</td><td>AC 230 V ~</td></tr><tr><td>Mains frequency:</td><td>50/60 Hz</td></tr><tr><td>Stand-by power depending on the cover:</td><td>approx. 0.1 ... 0.5 W</td></tr><tr><td>Switching current 230 V AC1:</td><td>10 mA ... 16 A</td></tr><tr><td>Connected load:</td><td>max. 3,600 W</td></tr><tr><td>Connection</td><td></td></tr><tr><td>    single wire:</td><td>1 x 0.5 ... 4.0 mm<sup>2</sup> 2 x 0.5 ... 2.5 mm<sup>2</sup></td></tr><tr><td>    stranded without ferrule:</td><td>1 x 0.5 ... 4.0 mm<sup>2</sup> 2 x 0.5 ... 2.5 mm<sup>2</sup></td></tr><tr><td>    stranded with ferrule:</td><td>1 x 0.5 ... 4.0 mm<sup>2</sup> 2 x 0.5 ... 1.5 mm<sup>2</sup></td></tr><tr><td>Ambient temperature:</td><td>-5 ... +45 °C</td></tr></table> <p>Displays standard for room temperature control see page 264</p>		Rated voltage:	AC 230 V ~	Mains frequency:	50/60 Hz	Stand-by power depending on the cover:	approx. 0.1 ... 0.5 W	Switching current 230 V AC1:	10 mA ... 16 A	Connected load:	max. 3,600 W	Connection		single wire:	1 x 0.5 ... 4.0 mm <sup>2</sup> 2 x 0.5 ... 2.5 mm <sup>2</sup>	stranded without ferrule:	1 x 0.5 ... 4.0 mm <sup>2</sup> 2 x 0.5 ... 2.5 mm <sup>2</sup>	stranded with ferrule:	1 x 0.5 ... 4.0 mm <sup>2</sup> 2 x 0.5 ... 1.5 mm <sup>2</sup>	Ambient temperature:	-5 ... +45 °C
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Ambient temperature:	-5 ... +45 °C																				
<b>External temperature sensor</b> for room thermostat ref.-no. 1790 RTR, TR D .. 1790 .. spare part for floor thermostat ref.-no. FTR .. 231 .. The sensor cable can be connected using a bifilar cable of 1.5 mm <sup>2</sup> in diameter that is suitable for mains voltage. When installed in a cable duct or near high voltage current cables, a shielded cable must be used.																					
FF 7.8																					
Also suitable as external temperature sensor for the following KNX devices, ref.-no.: .. 2178 TS .., .. 2178 ORTS .., .. 5192 KRM TS D, .. 5194 KRM TS D, 2177 SV R, 23066 REGHE																					
<b>Technical data</b> <table><tr><td>NTC sensor in plastic cap 7.8 mm Ø</td><td></td></tr><tr><td>Cable length:</td><td>4 m</td></tr><tr><td>Ambient temperature:</td><td>-25 ... +70 °C</td></tr></table>		NTC sensor in plastic cap 7.8 mm Ø		Cable length:	4 m	Ambient temperature:	-25 ... +70 °C														
NTC sensor in plastic cap 7.8 mm Ø																					
Cable length:	4 m																				
Ambient temperature:	-25 ... +70 °C																				





Ref.-no.

## Standard centre plate

for LB Management inserts "blinds" ref.-no.: 1730 JE and 1731 JE

for LB Management inserts "light" ref.-no.: 1701 SE, 1704 ESE, 1702 SE, 1710 DE, 1711 DE, 1713 DSTE, 1720 NE, 1723 NE, 1708 IE

## Intended use

- Manual operation of Venetian blinds, shutters, awnings or lighting
- Operation with blinds, switch, dimmer, pulse or satellite insert of the LB Management

## Product characteristics

- Activation of blinds/shutters, with blinds insert
- Switching and dimming of lighting, with switch / dimmer or pulse insert
- Ventilation position of the blind/shutter can be saved, with blinds insert
- Switch-on brightness of lighting can be saved, with dimmer insert and DALI push-button controller

## for AS range

### Duroplastic (scratch-proof) glossy

ivory	<b>AS 1700</b>
white	<b>AS 1700 WW</b>

## for A range

### Duroplastic (scratch-proof) glossy

white	<b>A 1700 WW</b>
black	<b>A 1700 SW</b>

### Duroplastic lacquered





aluminium	<b>A 1700 AL</b>
champagne	<b>A 1700 CH</b>
mocha	<b>A 1700 MO</b>

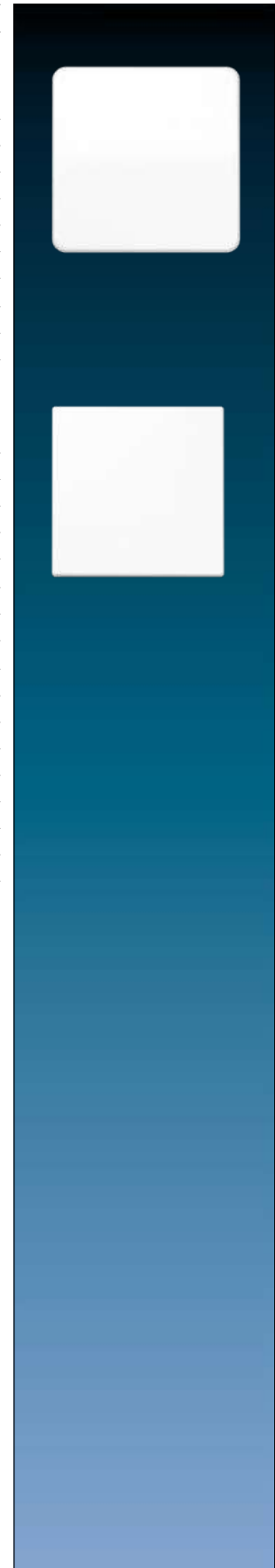
### Thermoplastic (breakproof) high-gloss

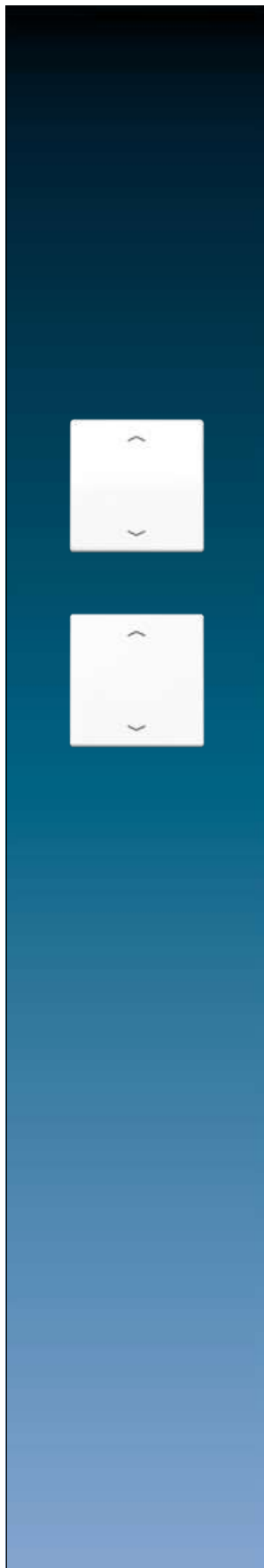
white	<b>A 1700 BF WW</b>
black	<b>A 1700 BF SW</b>

### matt lacquered

matt snow white	<b>A 1700 BF WWM</b>
matt graphite black	<b>A 1700 BF SWM</b>
matt anthracite	<b>A 1700 BF ANM</b>

Ref.-no.	
<b>Standard centre plate</b>	
<b>for CD range</b>	
<b>Duroplastic (scratch-proof) glossy</b>	
ivory	CD 1700
white	CD 1700 WW
brown	CD 1700 BR
grey	CD 1700 GR
light grey	CD 1700 LG
black	CD 1700 SW
<b>metal colours (duroplastic lacquered)</b>	
gold-bronze	 CD 1700 GB
platinum	 CD 1700 PT
<b>for LS range</b>	
<b>Duroplastic (scratch-proof) glossy</b>	
ivory	LS 1700
white	LS 1700 WW
light grey	LS 1700 LG
black	LS 1700 SW
<b>matt lacquered</b>	
matt snow white	LS 1700 WWM
matt graphite black	LS 1700 SWM
<b>metal versions</b>	
aluminium	 AL 1700
stainless steel	 ES 1700
anthracite (aluminium lacquered)	AL 1700 AN
dark (aluminium lacquered)	AL 1700 D
chrome	GCR 1700
gold-coloured	GO 1700
classic brass	ME 1700 C
antique brass	ME 1700 AT





Ref.-no.

## Standard centre plate "arrows"

for LB Management inserts "blinds" ref.-no.: 1730 JE and 1731 JE

for LB Management inserts "light" ref.-no.: 1701 SE, 1704 ESE, 1702 SE, 1710 DE, 1711 DE, 1713 DSTE, 1720 NE, 1723 NE, 1708 IE

### Intended use

- Manual operation of Venetian blinds, shutters, awnings or lighting
- Operation with blinds, switch, dimmer, pulse or satellite insert of the LB Management

### Product characteristics

- Activation of blinds/shutters, with blinds insert
- Switching and dimming of lighting, with switch / dimmer or pulse insert
- Ventilation position of the blind/shutter can be saved, with blinds insert
- Switch-on brightness of lighting can be saved, with dimmer insert and DALI push-button controller

### for AS range

#### Duroplastic (scratch-proof) glossy

ivory	AS 1700 P
white	AS 1700 P WW

### for A range

#### Duroplastic (scratch-proof) glossy

white	A 1700 P WW
black	A 1700 P SW

#### Duroplastic lacquered

aluminium	A 1700 P AL
champagne	A 1700 P CH
mocha	A 1700 P MO

#### Thermoplastic (breakproof) high-gloss

white	A 1700 BFP WW
black	A 1700 BFP SW

#### matt lacquered

matt snow white	A 1700 BFP WWM
matt graphite black	A 1700 BFP SWM
matt anthracite	A 1700 BFP ANM

Ref.-no.

## Standard centre plate "arrows"

### for CD range

#### Duroplastic (scratch-proof) glossy

ivory	CD 1700 P
white	CD 1700 P WW
brown	CD 1700 P BR
grey	CD 1700 P GR
light grey	CD 1700 P LG
black	CD 1700 P SW

#### metal versions (anodized aluminium)

gold-bronze	CD 1700 P GB
platinum	CD 1700 P PT

### for LS range

#### Duroplastic (scratch-proof) glossy

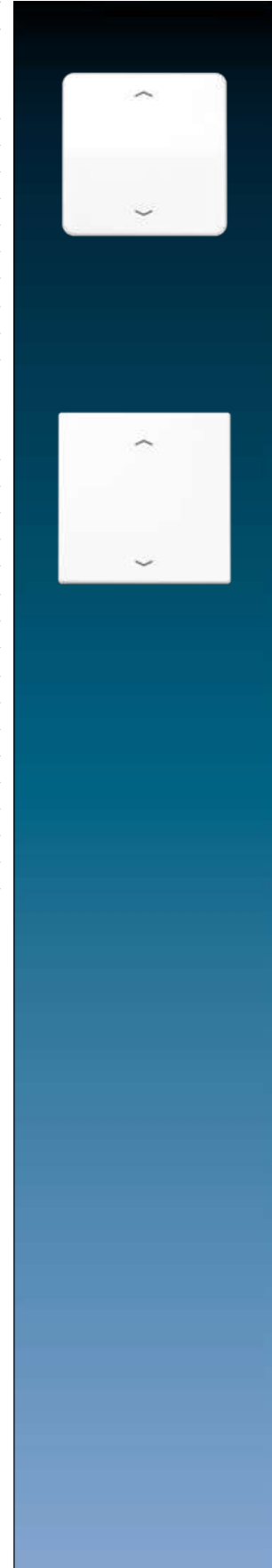
ivory	LS 1700 P
white	LS 1700 P WW
light grey	LS 1700 P LG
black	LS 1700 P SW

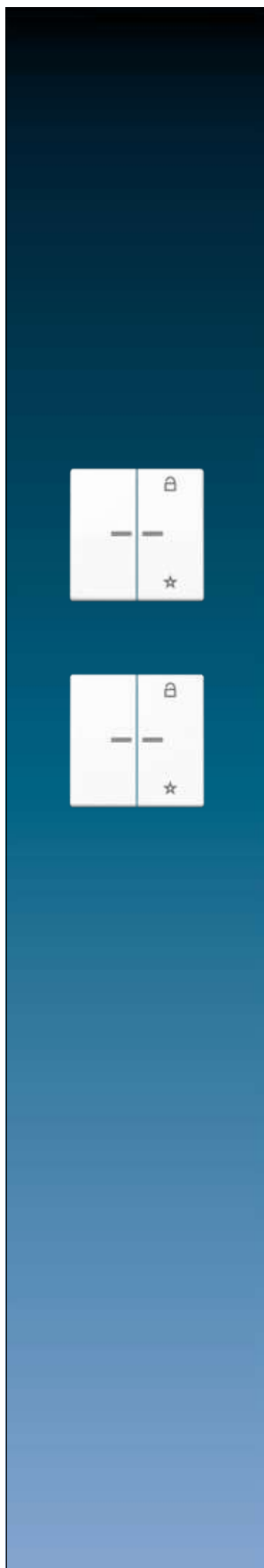
#### matt lacquered

matt snow white	LS 1700 P WWM
matt graphite black	LS 1700 P SWM

#### metal versions

aluminium	AL 1700 P
stainless steel	ES 1700 P
anthracite (aluminium lacquered)	AL 1700 P AN
dark (aluminium lacquered)	AL 1700 P D
chrome	GCR 1700 P
gold-coloured	GO 1700 P
classic brass	ME 1700 P C
antique brass	ME 1700 P AT





Ref.-no.

## Universal centre plate

for LB Management inserts "blinds" ref.-no.: 1730 JE and 1731 JE

for LB Management inserts "light" ref.-no.: 1701 SE, 1704 ESE, 1702 SE, 1710 DE, 1711 DE, 1713 DSTE, 1723 NE

## Intended use

- Manual and time-controlled operation of Venetian blinds, shutters, awnings or lighting
- Operation with switch, dimmer or blinds insert or satellite insert 3-wire of the LB Management

## Product characteristics

- Activation of blinds/shutters, with blinds insert
- Switching and dimming of lighting, with switch or dimmer insert
- Ventilation position of the blind/shutter can be saved, with blinds insert
- Switch-on brightness of lighting can be saved, with dimmer insert and DALI push-button controller
- Disabling function
- 2 switching times can be saved, which are repeated in a 24-hour cycle

## for AS range

### Duroplastic (scratch-proof) glossy

ivory	AS 1701
white	AS 1701 WW

## for A range

### Duroplastic (scratch-proof) glossy

white	A 1701 WW
black	A 1701 SW

### Duroplastic lacquered

aluminium	A 1701 AL
champagne	A 1701 CH
mocha	A 1701 MO

### Thermoplastic (breakproof) high-gloss

white	■ A 1701 BF WW
black	■ A 1701 BF SW

### matt lacquered

matt snow white	A 1701 BF WWM
matt graphite black	A 1701 BF SWM
matt anthracite	A 1701 BF ANM



Ref.-no.

## Universal centre plate

### for CD range

#### Duroplastic (scratch-proof) glossy

ivory	CD 1701
white	CD 1701 WW
brown	CD 1701 BR
grey	CD 1701 GR
light grey	CD 1701 LG
black	CD 1701 SW

#### metal colours (duroplastic lacquered)

gold-bronze	CD 1701 GB
platinum	CD 1701 PT

### for LS range

#### Duroplastic (scratch-proof) glossy

ivory	LS 1701
white	LS 1701 WW
light grey	LS 1701 LG
black	LS 1701 SW

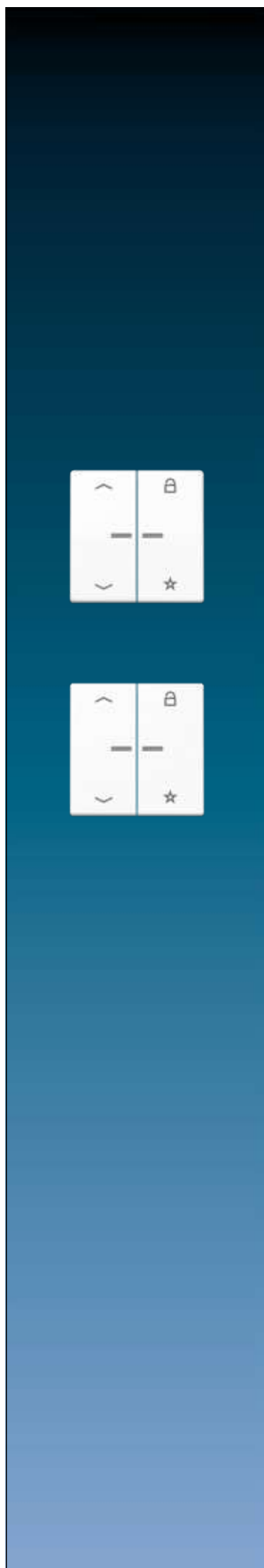
#### matt lacquered

matt snow white	LS 1701 WWM
matt graphite black	LS 1701 SWM

#### metal versions

aluminium	 AL 1701
stainless steel	 ES 1701
anthracite (aluminium lacquered)	AL 1701 AN
dark (aluminium lacquered)	AL 1701 D
chrome	GCR 1701
gold-coloured	GO 1701
classic brass	ME 1701 C
antique brass	ME 1701 AT





Ref.-no.

## Universal centre plate "arrows"

for LB Management inserts "blinds" ref.-no.: 1730 JE and 1731 JE

for LB Management inserts "light" ref.-no.: 1701 SE, 1704 ESE, 1702 SE, 1710 DE, 1711 DE, 1713 DSTE, 1723 NE

### Intended use

- Manual and time-controlled operation of Venetian blinds, shutters, awnings or lighting
- Operation with switch, dimmer or blinds insert or satellite insert 3-wire of the LB Management

### Product characteristics

- Activation of blinds/shutters, with blinds insert
- Switching and dimming of lighting, with switch or dimmer insert
- Ventilation position of the blind/shutter can be saved, with blinds insert
- Switch-on brightness of lighting can be saved, with dimmer insert and DALI push-button controller
- Disabling function
- 2 switching times can be saved, which are repeated in a 24-hour cycle

### for AS range

#### Duroplastic (scratch-proof) glossy

ivory	<b>AS 1701 P</b>
white	<b>AS 1701 P WW</b>

### for A range

#### Duroplastic (scratch-proof) glossy

white	<b>A 1701 P WW</b>
black	<b>A 1701 P SW</b>

#### Duroplastic lacquered

aluminium	<b>A 1701 P AL</b>
champagne	<b>A 1701 P CH</b>
mocha	<b>A 1701 P MO</b>

#### Thermoplastic (breakproof) high-gloss

white	<b>A 1701 BFP WW</b>
black	<b>A 1701 BFP SW</b>

#### matt lacquered

matt snow white	<b>A 1701 BFP WWM</b>
matt graphite black	<b>A 1701 BFP SWM</b>
matt anthracite	<b>A 1701 BFP ANM</b>

Ref.-no.

## Universal centre plate "arrows"

### for CD range

#### Duroplastic (scratch-proof) glossy

ivory	CD 1701 P
white	CD 1701 P WW
brown	CD 1701 P BR
grey	CD 1701 P GR
light grey	CD 1701 P LG
black	CD 1701 P SW

#### metal colours (duroplastic lacquered)

gold-bronze	CD 1701 P GB
platinum	CD 1701 P PT

### for LS range

#### Duroplastic (scratch-proof) glossy

ivory	LS 1701 P
white	LS 1701 P WW
light grey	LS 1701 P LG
black	LS 1701 P SW

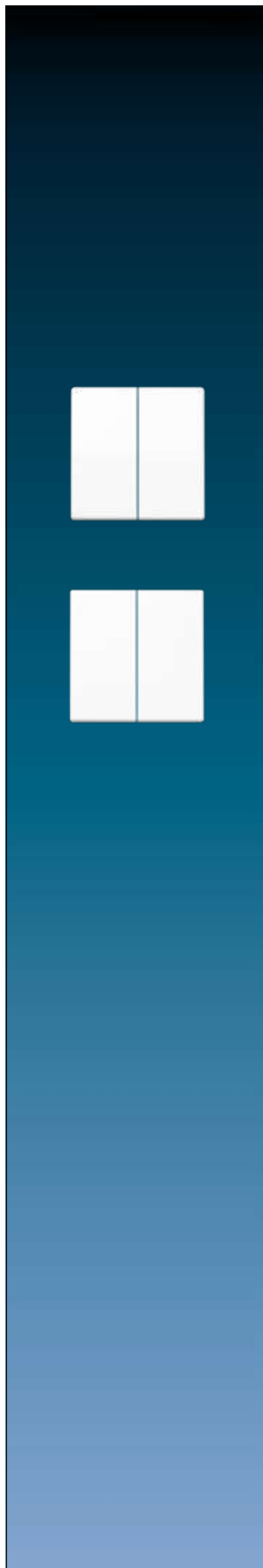
#### matt lacquered

matt snow white	LS 1701 P WWM
matt graphite black	LS 1701 P SWM

#### metal versions

aluminium	AL 1701 P
stainless steel	ES 1701 P
anthracite (aluminium lacquered)	AL 1701 P AN
dark (aluminium lacquered)	AL 1701 P D
chrome	GCR 1701 P
gold-coloured	GO 1701 P
classic brass	ME 1701 P C
antique brass	ME 1701 P AT





Ref.-no.

## Standard centre plate 2-gang

for LB Management inserts "light" ref.-no.: 1702 SE, 1712 DE, 1713 DSTE, 1723 NE

### Intended use

- Manual operation of lighting
- Operation with 2-channel switch or dimmer insert, DALI push-button controller or satellite insert 3-wire of the LB Management

### Product characteristics

- Switching, dimming and colour temperature setting of lighting, with switch or dimmer insert
- Full control of switch and dimmer inserts, with satellite insert 3-wire
- Switch-on brightness of lighting can be saved, with dimmer insert and DALI push-button controller
- Colour temperature can be saved, with DALI push-button controller

### for AS range

#### Duroplastic (scratch-proof) glossy

ivory	<b>AS 1702</b>
white	<b>AS 1702 WW</b>

### for A range

#### Duroplastic (scratch-proof) glossy

white	<b>A 1702 WW</b>
black	<b>A 1702 SW</b>

#### Duroplastic lacquered

aluminium	<b>A 1702 AL</b>
champagne	<b>A 1702 CH</b>
mocha	<b>A 1702 MO</b>

#### Thermoplastic (breakproof) high-gloss

white	<b>A 1702 BF WW</b>
black	<b>A 1702 BF SW</b>

#### matt lacquered

matt snow white	<b>A 1702 BF WWM</b>
matt graphite black	<b>A 1702 BF SWM</b>
matt anthracite	<b>A 1702 BF ANM</b>

Ref.-no.

## Standard centre plate 2-gang

### for CD range

#### Duroplastic (scratch-proof) glossy

ivory	CD 1702
white	CD 1702 WW
brown	CD 1702 BR
grey	CD 1702 GR
light grey	CD 1702 LG
black	CD 1702 SW

#### metal colours (duroplastic lacquered)

gold-bronze	CD 1702 GB
platinum	CD 1702 PT

### for LS range

#### Duroplastic (scratch-proof) glossy

ivory	LS 1702
white	LS 1702 WW
light grey	LS 1702 LG
black	LS 1702 SW

#### matt lacquered

matt snow white	LS 1702 WWM
matt graphite black	LS 1702 SWM

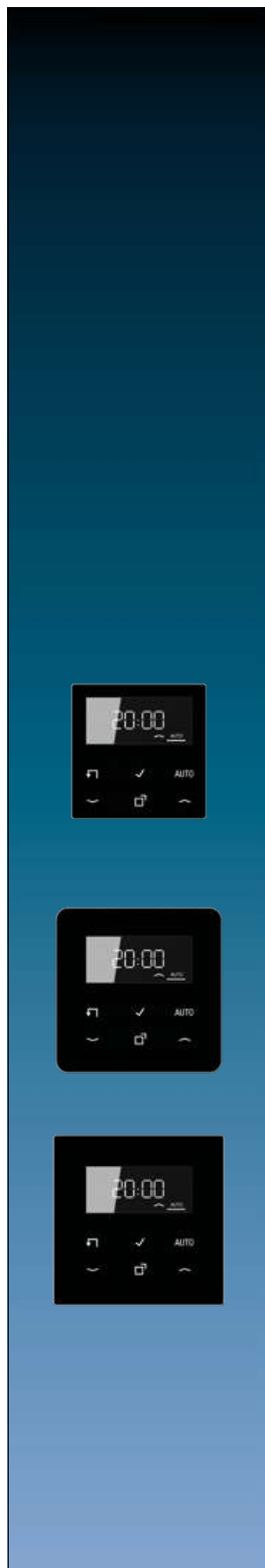
#### metal versions

aluminium	 AL 1702
stainless steel	 ES 1702
anthracite (aluminium lacquered)	AL 1702 AN
dark (aluminium lacquered)	AL 1702 D
classic brass	ME 1702 C
antique brass	ME 1702 AT

eNet radio centre plates, see chapter eNet, page 172



# LB Management



Ref.-no.

## Standard timer with display

for LB Management inserts "blinds" ref.-no.: 1730 JE and 1731 JE

for LB Management inserts "light" ref.-no.: 1701 SE, 1704 ESE, 1702 SE, 1710 DE, 1711 DE, 1713 DSTE, 1723 NE

## Intended use

- Manual and time-controlled operation of Venetian blinds, shutters, awnings or lighting
- Operation with switch, dimmer or blinds insert or satellite insert 3-wire of the LB Management

## Product characteristics

- Real glass front panel
- 6 sensor buttons
- Current time can be saved as switching time, quick programming
- Automatic summer/winter time changeover, can be switched off
- Switching at sunrise and/or before sunset (astro function) adjustable for 18 countries
- Astro time shift for sunrise and sunset
- Disabling function
- Display switches off after 2 minutes, permanent indication of the current time possible
- Activation of blinds/shutters, with blinds insert
- Programming of one up time and one down time each for the parts of the week Mo-Fr and Sa+Su
- Ventilation position of the blind/shutter can be saved, with blinds insert
- Switching and dimming of lighting, with switch or dimmer insert
- Programming of two memory areas with one switch-on and one switch-off time each for the parts of the week Mo-Fr and Sa+Su
- Switch-on brightness of lighting can be saved, with dimmer insert and DALI push-button controller

## for AS and A ranges

white	<b>A 1750 D WW</b>
black	<b>A 1750 D SW</b>

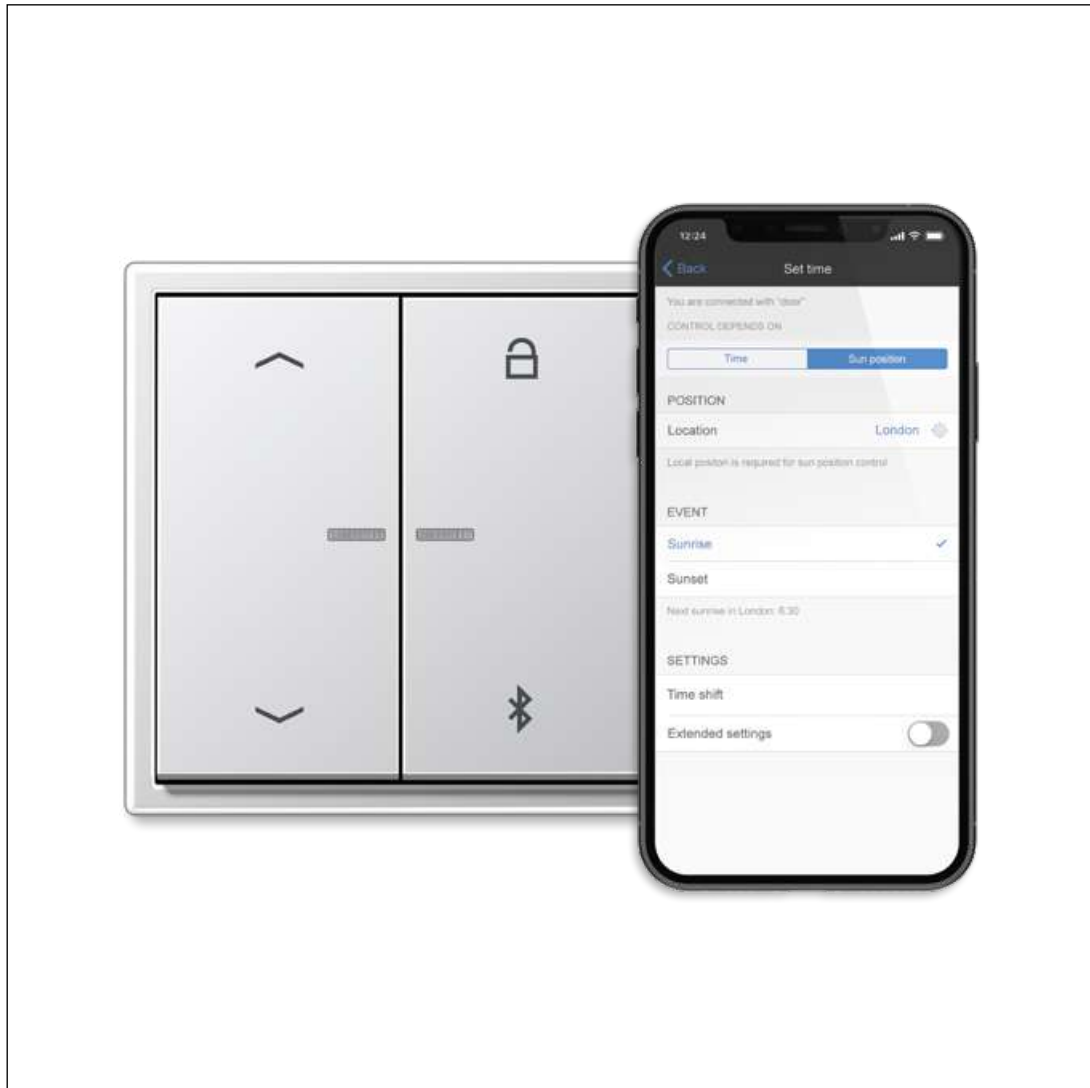
## for CD range

white	<b>CD 1750 D WW</b>
black	<b>CD 1750 D SW</b>

## for LS range

white	<b>LS 1750 D WW</b>
black	<b>LS 1750 D SW</b>

# Universal timer Bluetooth and Clever Config app



The universal timer Bluetooth is primarily impressive due to its operating concept. Sun protection and light can be operated both mechanically by pressing a button as well on the move. The configuration and control of the Bluetooth devices from LB Management, such as the timer, is particularly easy using the Clever Config app: Displays of values and states, creation of time controls and adjustment of parameters such as shut-off delay or brightness, and the control of the functions.

## Universal timer Bluetooth

for LB Management inserts "blinds" ref.-no.: 1730 JE and 1731 JE

for LB Management inserts "light" ref.-no.: 1701 SE, 1704 ESE, 1702 SE,  
1710 DE, 1711 DE, 1713 DSTE, 1723 NE

### Intended use

- Manual and time-controlled operation of Venetian blinds, shutters, awnings, lighting or fans
- Operation and programming with smartphone in combination with Clever Config App via Bluetooth
- Operation with switch, dimmer or blinds insert or satellite insert 3-wire of the LB Management

### Product characteristics

Functions directly via cover

- Operation of blinds/shutters and lighting
- Activating / deactivating the disabling function
- Activating / deactivating automatic operation
- Running time and ventilation position of the blind/shutter can be saved
- Switch-on brightness or switch on to last brightness (with dimming insert) can be saved
- Night mode

Functions via Clever Config App

- Operation of blinds/shutters and lighting with status feedback
- Display of current blind/shutter position, dimming position or switching state
- Programming of up to 40 individual switching times
- Blind and slat positions or switching and dimming values can be saved for each switching time
- Possible to copy switching times to other universal timers Bluetooth
- Switching at sunrise and/or before sunset (astro function)
- Astro time by means of geolocation
- Astro time shift can be set for each switching time
- Automatic summer/winter time changeover, can be switched off
- Random function
- Automatic date and time update when connecting with smartphone
- Code request for protection for time programs and configuration possible
- Save a ventilation position, blind/shutter running time, slat change-over time and change-over time for direction change
- Switch to inverse operation for Venetian blind inserts possible
- Maximum brightness and minimum brightness for dimming insert can be set
- Sun protection and twilight function possible via optional brightness / temperature sensor  
ref.-no.: 1792 HT BT

### Technical data

Ambient temperature:	-5 ... +45 °C
Storage/transport temperature:	-20 ... +70 °C
Accuracy per month:	± 10 s
The time is updated with every connection to the app.	
Power reserve:	approx. 4 h
Radio frequency:	2.402 ... 2.480 GHz
Transmitting power:	max. 2.5 mW (class 2)
Transmission range:	typical 10 m



Ref.-no.

## Universal timer Bluetooth

### for AS range

#### Duroplastic (scratch-proof) glossy

ivory	AS 1751 BT
white	AS 1751 BT WW

### for A range

#### Duroplastic (scratch-proof) glossy

white	A 1751 BT WW
black	A 1751 BT SW

#### Duroplastic lacquered

aluminium	 A 1751 BT AL
champagne	A 1751 BT CH
mocha	A 1751 BT MO

#### Thermoplastic (breakproof) high-gloss

white	 A 1751 BFBT WW
black	 A 1751 BFBT SW

#### matt lacquered

matt snow white	A 1751 BFBT WWM
matt graphite black	A 1751 BFBT SWM
matt anthracite	A 1751 BFBT ANM

### for CD range

#### Duroplastic (scratch-proof) glossy

ivory	CD 1751 BT
white	CD 1751 BT WW
brown	CD 1751 BT BR
grey	CD 1751 BT GR
light grey	CD 1751 BT LG
black	CD 1751 BT SW

#### metal colours (duroplastic lacquered)

gold-bronze	CD 1751 BT GB
platinum	CD 1751 BT PT

### for LS range



#### Duroplastic (scratch-proof) glossy

ivory	LS 1751 BT
white	LS 1751 BT WW
light grey	LS 1751 BT LG
black	LS 1751 BT SW

#### matt lacquered

matt snow white	LS 1751 BT WWM
matt graphite black	LS 1751 BT SWM

#### metal versions

aluminium	 AL 1751 BT
stainless steel	 ES 1751 BT
anthracite (aluminium lacquered)	AL 1751 BT AN
dark (aluminium lacquered)	AL 1751 BT D
chrome	GCR 1751 BT
gold-coloured	GO 1751 BT
classic brass	ME 1751 BT C
antique brass	ME 1751 BT AT



## Universal timer Bluetooth "arrows"

for LB Management inserts "blinds" ref.-no.: 1730 JE and 1731 JE

for LB Management inserts "light" ref.-no.: 1701 SE, 1704 ESE, 1702 SE,  
1710 DE, 1711 DE, 1713 DSTE, 1723 NE

### Intended use

- Manual and time-controlled operation of Venetian blinds, shutters, awnings, lighting or fans
- Operation and programming with smartphone in combination with Clever Config App via Bluetooth
- Operation with switch, dimmer or blinds insert or satellite insert 3-wire of the LB Management

### Product characteristics

Functions directly via cover

- Operation of blinds/shutters and lighting
- Activating / deactivating the disabling function
- Activating / deactivating automatic operation
- Running time and ventilation position of the blind/shutter can be saved
- Switch-on brightness or switch on to last brightness (with dimming insert) can be saved
- Night mode

Functions via Clever Config App

- Operation of blinds/shutters and lighting with status feedback
- Display of current blind/shutter position, dimming position or switching state
- Programming of up to 40 individual switching times
- Blind and slat positions or switching and dimming values can be saved for each switching time
- Possible to copy switching times to other universal timers Bluetooth
- Switching at sunrise and/or before sunset (astro function)
- Astro time by means of geolocation
- Astro time shift can be set for each switching time
- Automatic summer/winter time changeover, can be switched off
- Random function
- Automatic date and time update when connecting with smartphone
- Code request for protection for time programs and configuration possible
- Save a ventilation position, blind/shutter running time, slat change-over time and change-over time for direction change
- Switch to inverse operation for Venetian blind inserts possible
- Maximum brightness and minimum brightness for dimming insert can be set
- Sun protection and twilight function possible via optional brightness / temperature sensor  
ref.-no.: 1792 HT BT

### Technical data

Ambient temperature:	-5 ... +45 °C
Storage/transport temperature:	-20 ... +70 °C
Accuracy per month:	± 10 s
The time is updated with every connection to the app.	
Power reserve:	approx. 4 h
Radio frequency:	2.402 ... 2.480 GHz
Transmitting power:	max. 2.5 mW (class 2)
Transmission range:	typical 10 m

Ref.-no.

## Universal timer Bluetooth "arrows"

### for AS range

#### Duroplastic (scratch-proof) glossy

ivory	AS 1751 PBT
white	AS 1751 PBT WW

### for A range

#### Duroplastic (scratch-proof) glossy

white	A 1751 PBT WW
black	A 1751 PBT SW

#### Duroplastic lacquered

aluminium	A 1751 PBT AL
champagne	A 1751 PBT CH
mocha	A 1751 PBT MO

#### Thermoplastic (breakproof) high-gloss

white	A 1751 BFPBT WW
black	A 1751 BFPBT SW

#### matt lacquered

matt snow white	A 1751 BFPBT WWM
matt graphite black	A 1751 BFPBT SWM
matt anthracite	A 1751 BFPBT ANM

### for CD range

#### Duroplastic (scratch-proof) glossy

ivory	CD 1751 PBT
white	CD 1751 PBT WW
brown	CD 1751 PBT BR
grey	CD 1751 PBT GR
light grey	CD 1751 PBT LG
black	CD 1751 PBT SW

#### metal colours (duroplastic lacquered)

gold-bronze	CD 1751 PBT GB
platinum	CD 1751 PBT PT

### for LS range

#### Duroplastic (scratch-proof) glossy

ivory	LS 1751 PBT
white	LS 1751 PBT WW
light grey	LS 1751 PBT LG
black	LS 1751 PBT SW

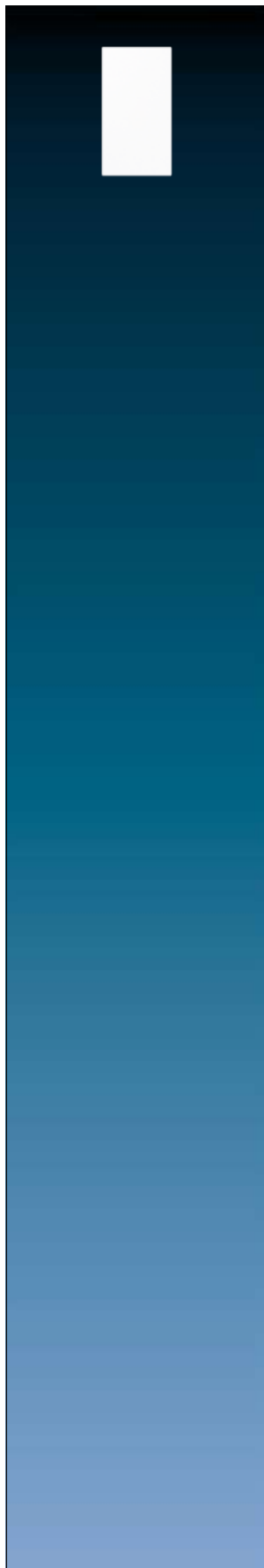
#### matt lacquered

matt snow white	LS 1751 PBT WWM
matt graphite black	LS 1751 PBT SWM

#### metal versions

aluminium	AL 1751 PBT
stainless steel	ES 1751 PBT
anthracite (aluminium lacquered)	AL 1751 PBT AN
dark (aluminium lacquered)	AL 1751 PBT D
chrome	GCR 1751 PBT
gold-coloured	GO 1751 PBT
classic brass	ME 1751 PBT C
antique brass	ME 1751 PBT AT





Ref.-no.

## Brightness / temperature sensor Bluetooth

1792 HT BT

### Intended use

- Sensor for detection of brightness and temperature
- Operation with universal timer Bluetooth of the LB Management
- Adhesive fixing in indoor areas on window panes, walls or furniture

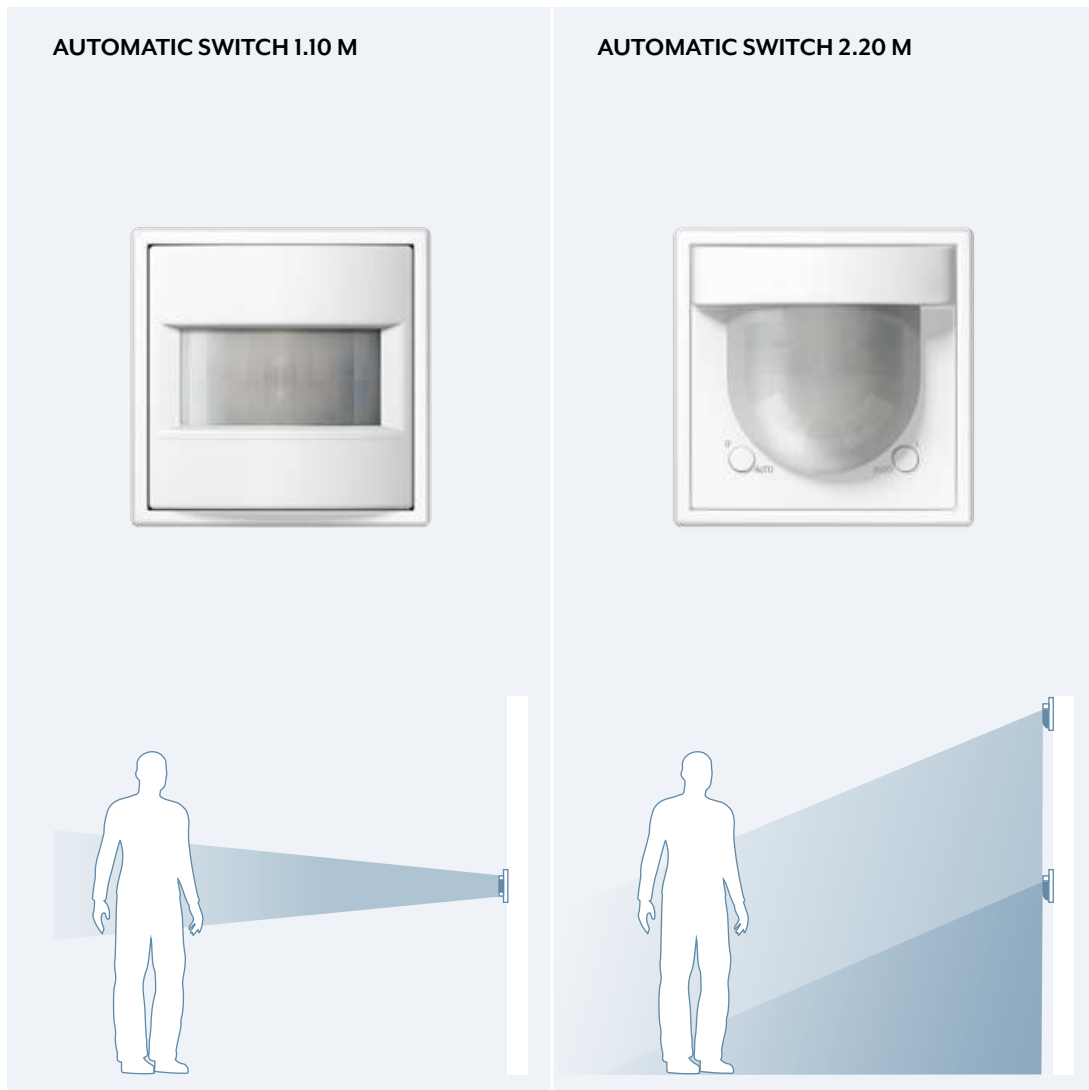
### Product characteristics

- Brightness and temperature measurement takes place once per minute
- Transmits the current brightness and temperature value every 5 minutes
- Transmits the brightness value if the brightness changes by more than 10 % of the last transmitted value
- Transmits the current temperature value if the temperature changes by more than 0.2 K
- Extended functions for Timer Bluetooth: sun protection function, dusk and dawn
- Indicates low battery level
- Battery-powered device
- Commissioning with Clever Config App

### Technical data

Rated voltage:	DC 3 V
Battery type:	1 x lithium CR 2450 (included)
Brightness measurement:	5 ... 80,000 lx
Temperature measurement:	-5 ... +55 °C
Ambient temperature:	-5 ... +55 °C
Storage/transport temperature:	-20 ... +70 °C
Dimensions (L x W x H):	56 x 32 x 13 mm
Radio frequency:	2.402 ... 2.480 GHz
Transmitting power:	max. 2.5 mW (class 2)
Transmission range:	typical 10 m

# The automatic switches



The 180° detection range of the automatic switches is monitored by two PIR sensors that can be used individually or together. In the function as movement detector, they are ideal to use in corridors and passages. The 2.20 m version can be used very well in offices or recreation rooms. The settings in the universal designs are conveniently made using the CleverConfig app.

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## Standard automatic switch 1.1 m

for LB Management inserts "light" ref.-no.: 1701 SE, 1704 ESE, 1702 SE, 1710 DE, 1711 DE, 1713 DSTE, 1723 NE, 1708 IE

### Intended use

- Automatic switching of lighting depending on the thermal movement and ambient brightness
- Operation with flush-mounted insert for switching or dimming or satellite insert 3-wire of the LB Management
- Wall installation on flush-mounted insert

### Product characteristics

- Extension of the detection area in combination with 3-wire satellite insert
- Operation with 2-wire or 3-wire satellite insert, rotary satellite insert or push-button
- Brightness threshold adjustable
- Sensitivity selectable
- Fixed run-on time
- Switch on with last saved brightness or saved switch-on brightness, with dimming insert
- Switch-on brightness can be saved permanently via satellite unit, with dimmer insert
- Dimming light via satellite unit, with dimmer insert
- Screen for limiting the detection area

### Technical data

Ambient temperature:	-20 ... +45 °C
Storage/transport temperature:	-25 ... +70 °C
Brightness setting:	approx. 5 ... 1,000 lx (and daytime operation)
Sensitivity:	25, 50, 75, 100 %
Shut-off delay:	approx. 2 min
Mounting height:	1.10 m
Detection angle:	180°
Detection range	
Sensitivity 25 %:	max. 8 m
Sensitivity 50 %:	max. 13 m
Sensitivity 75 %:	max. 26 m
Sensitivity 100 %:	max. 32 m

Ref.-no.

## Standard automatic switch 1.1 m

### for AS and A ranges

#### Thermoplastic (breakproof) high-gloss

ivory	A 17180
white	A 17180 WW
black	A 17180 SW

#### Thermoplastic (breakproof) lacquered

aluminium	A 17180 AL
champagne	A 17180 CH
mocha	A 17180 MO

#### matt lacquered

matt snow white	A 17180 WWM
matt graphite black	A 17180 SWM
matt anthracite	A 17180 ANM

### for CD range

#### Thermoplastic (breakproof) high-gloss

ivory	CD 17180
white	CD 17180 WW
brown	CD 17180 BR
grey	CD 17180 GR
light grey	CD 17180 LG
black	CD 17180 SW

#### metal colours (thermoplastic lacquered)

gold-bronze	CD 17180 GB
platinum	CD 17180 PT

### for LS range

#### Thermoplastic (breakproof) high-gloss

ivory	LS 17180
white	LS 17180 WW
light grey	LS 17180 LG
black	LS 17180 SW

#### matt lacquered

matt snow white	LS 17180 WWM
matt graphite black	LS 17180 SWM

#### metal colours (thermoplastic lacquered)

aluminium (lacquered)	AL 17180
stainless steel (lacquered)	ES 17180
anthracite (lacquered)	AL 17180 AN
dark (lacquered)	AL 17180 D
classic brass (lacquered)	ME 17180 C
antique brass (lacquered)	ME 17180 AT



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## Standard automatic switch 1.1 m

for LB Management inserts "light" ref.-no.: 1701 SE, 1704 ESE, 1702 SE, 1710 DE, 1711 DE, 1713 DSTE, 1723 NE, 1708 IE

## IP 44 suitable only for indoor installation

### Intended use

- Automatic switching of lighting depending on the thermal movement and ambient brightness
- Operation with flush-mounted insert for switching or dimming or satellite insert 3-wire of the LB Management
- Wall installation on flush-mounted insert

### Product characteristics

- Extension of the detection area in combination with 3-wire satellite insert
- Operation with 2-wire or 3-wire satellite insert, rotary satellite insert or push-button
- Brightness threshold adjustable
- Sensitivity selectable
- Fixed run-on time
- Switch on with last saved brightness or saved switch-on brightness, with dimming insert
- Switch-on brightness can be saved permanently via satellite unit, with dimmer insert
- Dimming light via satellite unit, with dimmer insert
- Screen for limiting the detection area

### Technical data

Ambient temperature:	-20 ... +45 °C
Storage/transport temperature:	-25 ... +70 °C
Brightness setting:	approx. 5 ... 1,000 lx (and daytime operation)
Sensitivity:	25, 50, 75, 100 %
Shut-off delay:	approx. 2 min
Mounting height:	1.10 m
Detection angle:	180°
Detection range	
Sensitivity 25 %:	max. 8 m
Sensitivity 50 %:	max. 13 m
Sensitivity 75 %:	max. 26 m
Sensitivity 100 %:	max. 32 m






Ref.-no.




## Standard automatic switch 1.1 m

### for AS and A ranges




#### Thermoplastic (breakproof) high-gloss

ivory		A 17180 WU
white		A 17180 WU WW
black		A 17180 WU SW

#### Thermoplastic (breakproof) lacquered







aluminium		A 17180 WU AL
champagne		A 17180 WU CH
mocha		A 17180 WU MO

#### matt lacquered


matt snow white		A 17180 WU WWM
matt graphite black		A 17180 WU SWM
matt anthracite		A 17180 WU ANM

### for CD range

#### Thermoplastic (breakproof) high-gloss





ivory		CD 17180 WU
white		CD 17180 WU WW
brown		CD 17180 WU BR
grey		CD 17180 WU GR
light grey		CD 17180 WU LG
black		CD 17180 WU SW

#### metal colours (thermoplastic lacquered)



gold-bronze		CD 17180 WU GB
platinum		CD 17180 WU PT

### for LS range






#### Thermoplastic (breakproof) high-gloss

ivory		LS 17180 WU
white		LS 17180 WU WW
light grey		LS 17180 WU LG
black		LS 17180 WU SW

#### matt lacquered

matt snow white		LS 17180 WU WWM
matt graphite black		LS 17180 WU SWM

#### metal colours (thermoplastic lacquered)

aluminium (lacquered)		AL 17180 WU
stainless steel (lacquered)		ES 17180 WU
anthracite (lacquered)		AL 17180 WU AN
dark (lacquered)		AL 17180 WU D
classic brass (lacquered)		ME 17180 WU C
antique brass (lacquered)		ME 17180 WU AT



## Standard automatic switch 2.2 m

for LB Management inserts "light" ref.-no.: 1701 SE, 1704 ESE, 1702 SE, 1710 DE, 1711 DE, 1713 DSTE, 1723 NE, 1708 IE

Protection level IP 44 is ensured with sealing kit ref.-no. AS A 50 DS and "IP 44 frame" of the respective design range.

## IP 44 suitable only for indoor installation

### Intended use

- Automatic switching of lighting depending on the thermal movement and ambient brightness
- Operation with flush-mounted insert for switching or dimming or satellite insert 3-wire of the LB Management
- Wall installation on flush-mounted insert

### Product characteristics

- Extension of the detection area in combination with 3-wire satellite insert
- Operation with 2-wire or 3-wire satellite insert, rotary satellite insert or push-button
- Brightness threshold adjustable
- Sensitivity selectable
- Fixed run-on time
- Switch on with last saved brightness or saved switch-on brightness, with dimming insert
- Switch-on brightness can be saved permanently via satellite unit, with dimmer insert
- Dimming light via satellite unit, with dimmer insert

### Technical data

Ambient temperature:	-20 ... +45 °C
Storage/transport temperature:	-25 ... +70 °C
Brightness setting:	approx. 5 ... 1,000 lx (and daytime operation)
Sensitivity:	25, 50, 75, 100 %
Shut-off delay:	approx. 2 min
Mounting height:	1.10 / 2.20 m
Detection angle:	180°
Detection range (2.2 m mounting height)	
Sensitivity 25 %:	max. 7 m
Sensitivity 50 %:	max. 11 m
Sensitivity 75 %:	max. 13 m
Sensitivity 100 %:	max. 15 m
Detection range (1.1 m mounting height)	
Sensitivity 25 %:	max. 7 m
Sensitivity 50 %:	max. 8 m
Sensitivity 75 %:	max. 9 m
Sensitivity 100 %:	max. 10 m

Ref.-no.

## Standard automatic switch 2.2 m

### for AS and A ranges

#### Thermoplastic (breakproof) high-gloss

ivory	IP	A 17280
white	IP	A 17280 WW
black	IP	A 17280 SW

#### Thermoplastic (breakproof) lacquered

aluminium	IP	A 17280 AL
champagne	IP	A 17280 CH
mocha	IP	A 17280 MO

#### matt lacquered

matt snow white	IP	A 17280 WWM
matt graphite black	IP	A 17280 SWM
matt anthracite	IP	A 17280 ANM

### Sealing kit

for automatic switches 2.2 m of the AS / A ranges

IP	AS A 50 DS
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To obtain protection level IP 44

## for CD range

### Thermoplastic (breakproof) high-gloss

ivory	IP	CD 17280
white	IP	CD 17280 WW
grey	IP	CD 17280 GR
light grey	IP	CD 17280 LG
black	IP	CD 17280 SW

### metal colours (thermoplastic lacquered)

gold-bronze	IP	CD 17280 GB
platinum	IP	CD 17280 PT

## for LS range

### Thermoplastic (breakproof) high-gloss

ivory	IP	LS 17280
white	IP	LS 17280 WW
light grey	IP	LS 17280 LG
black	IP	LS 17280 SW

### matt lacquered

matt snow white	IP	LS 17280 WWM
matt graphite black	IP	LS 17280 SWM

### metal colours (thermoplastic lacquered)

aluminium (lacquered)	IP	AL 17280
stainless steel (lacquered)	IP	ES 17280
anthracite (lacquered)	IP	AL 17280 AN
dark (lacquered)	IP	AL 17280 D
classic brass (lacquered)	IP	ME 17280 C
antique brass (lacquered)	IP	ME 17280 AT

### Sealing kit

for automatic switches 2.2 m of the CD and LS ranges

IP	AS CD 50 DS
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To obtain protection level IP 44



## Universal automatic switch 1.1 m

for LB Management inserts "light" ref.-no.: 1701 SE, 1704 ESE, 1702 SE, 1710 DE, 1711 DE, 1713 DSTE, 1723 NE, 1708 IE

### Intended use

- Automatic switching of lighting depending on the thermal movement and ambient brightness
- Operation with flush-mounted insert for switching or dimming or satellite insert 3-wire of the LB Management
- Wall installation on flush-mounted insert

### Product characteristics

Functions directly via cover

- Extension of the detection area in combination with 3-wire satellite insert
- Continuous on, Continuous off
- Operation with 2-wire or 3-wire satellite insert, rotary satellite insert or push-button
- Dimming insert can be dimmed via satellite insert
- Resetting to factory setting
- Screen for limiting the detection area

Functions via Clever Config App

- Brightness threshold adjustable
  - Adjustment of the sensitivity of the PIR sensors
  - Run-on time adjustable
  - Continuous on, Continuous off
  - On or Off for 0.5 – 5 hours
  - Switch-off warning
  - Dynamic run-on time
  - Presence simulation
  - Alarm function
  - Timer function
  - Operating lock
  - Reduced basic sensitivity
  - Automatic summer/winter time changeover
  - Test operation
  - Programming of up to 16 individual switching times
- In combination with a switch insert
- Short-time operation
- In combination with a dimmer insert
- Switch-on with last brightness or saved switch-on brightness
  - Adjusting the minimum brightness
  - Adjusting the maximum brightness
  - Hotel function
  - Night light function

### Technical data

Ambient temperature:	–20 ... +45 °C
Storage/transport temperature:	–25 ... +70 °C
Brightness setting:	approx. 5 ... 500 lx (and daytime operation)
Sensitivity:	0, 25, 50, 75, 100 %
Shut-off delay:	approx. 10 s ... 60 min
Mounting height:	1.10 m
Detection angle:	180°
Detection range	
Sensitivity 25 %:	max. 8 m
Sensitivity 50 %:	max. 13 m
Sensitivity 75 %:	max. 26 m
Sensitivity 100 %:	max. 32 m
Radio frequency:	2.402 ... 2.480 GHz
Transmitting power:	max. 2.5 mW (class 2)
Transmission range:	typical 10 m

Ref.-no.

**Universal automatic switch 1.1 m****for AS and A ranges****Thermoplastic (breakproof) high-gloss**

ivory	A 17181
white	A 17181 WW
black	A 17181 SW

**Thermoplastic (breakproof) lacquered**

aluminium	A 17181 AL
champagne	A 17181 CH
mocha	A 17181 MO

**matt lacquered**

matt snow white	A 17181 WWM
matt graphite black	A 17181 SWM
matt anthracite	A 17181 ANM

**for CD range****Thermoplastic (breakproof) high-gloss**

ivory	CD 17181
white	CD 17181 WW
brown	CD 17181 BR
grey	CD 17181 GR
light grey	CD 17181 LG
black	CD 17181 SW

**metal colours (thermoplastic lacquered)**

gold-bronze	CD 17181 GB
platinum	CD 17181 PT

**for LS range****Thermoplastic (breakproof) high-gloss**

ivory	LS 17181
white	LS 17181 WW
light grey	LS 17181 LG
black	LS 17181 SW

**matt lacquered**

matt snow white	LS 17181 WWM
matt graphite black	LS 17181 SWM

**metal colours (thermoplastic lacquered)**

aluminium (lacquered)	AL 17181
stainless steel (lacquered)	ES 17181
anthracite (lacquered)	AL 17181 AN
dark (lacquered)	AL 17181 D
classic brass (lacquered)	ME 17181 C
antique brass (lacquered)	ME 17181 AT



## Universal automatic switch 1.1 m

for LB Management inserts "light" ref.-no.: 1701 SE, 1704 ESE, 1702 SE, 1710 DE, 1711 DE, 1713 DSTE, 1723 NE, 1708 IE

### IP 44 suitable only for indoor installation

#### Intended use

- Automatic switching of lighting depending on the thermal movement and ambient brightness
- Operation with flush-mounted insert for switching or dimming or satellite insert 3-wire of the LB Management
- Wall installation on flush-mounted insert

#### Product characteristics

Functions directly via cover

- Extension of the detection area in combination with 3-wire satellite insert
- Continuous on, Continuous off
- Operation with 2-wire or 3-wire satellite insert, rotary satellite insert or push-button
- Dimming insert can be dimmed via satellite insert
- Resetting to factory setting
- Screen for limiting the detection area

Functions via Clever Config App

- Brightness threshold adjustable
- Adjustment of the sensitivity of the PIR sensors
- Run-on time adjustable
- Continuous on, Continuous off
- On or Off for 0.5 – 5 hours
- Switch-off warning
- Dynamic run-on time
- Presence simulation
- Alarm function
- Timer function
- Operating lock
- Reduced basic sensitivity
- Automatic summer/winter time changeover
- Test operation
- Programming of up to 16 individual switching times

In combination with a switch insert

- Short-time operation

In combination with a dimmer insert




- Switch-on with last brightness or saved switch-on brightness
- Adjusting the minimum brightness
- Adjusting the maximum brightness
- Hotel function
- Night light function

#### Technical data



Ambient temperature:	–20 ... +45 °C
Storage/transport temperature:	–25 ... +70 °C
Brightness setting:	approx. 5 ... 500 lx (and daytime operation)
Sensitivity:	0, 25, 50, 75, 100 %
Shut-off delay:	approx. 10 s ... 60 min
Mounting height:	1.10 m
Detection angle:	180°
Detection range	
Sensitivity 25 %:	max. 8 m
Sensitivity 50 %:	max. 13 m
Sensitivity 75 %:	max. 26 m
Sensitivity 100 %:	max. 32 m
Radio frequency:	2.402 ... 2.480 GHz
Transmitting power:	max. 2.5 mW (class 2)
Transmission range:	typical 10 m

Ref.-no.




**Universal automatic switch 1.1 m  
for AS and A ranges****Thermoplastic (breakproof) high-gloss**

ivory		A 17181 WU
white		A 17181 WU WW
black		A 17181 WU SW







**Thermoplastic (breakproof) lacquered**

aluminium		A 17181 WU AL
champagne		A 17181 WU CH
mocha		A 17181 WU MO

**matt lacquered**

matt snow white		A 17181 WU WWM
matt graphite black		A 17181 WU SWM
matt anthracite		A 17181 WU ANM





**for CD range****Thermoplastic (breakproof) high-gloss**

ivory		CD 17181 WU
white		CD 17181 WU WW
brown		CD 17181 WU BR
grey		CD 17181 WU GR
light grey		CD 17181 WU LG
black		CD 17181 WU SW



**metal colours (thermoplastic lacquered)**

gold-bronze		CD 17181 WU GB
platinum		CD 17181 WU PT


**for LS range****Thermoplastic (breakproof) high-gloss**

ivory		LS 17181 WU
white		LS 17181 WU WW
light grey		LS 17181 WU LG
black		LS 17181 WU SW

**matt lacquered**

matt snow white		LS 17181 WU WWM
matt graphite black		LS 17181 WU SWM

**metal colours (thermoplastic lacquered)**

aluminium (lacquered)		AL 17181 WU
stainless steel (lacquered)		ES 17181 WU
anthracite (lacquered)		AL 17181 WU AN
dark (lacquered)		AL 17181 WU D
classic brass (lacquered)		ME 17181 WU C
antique brass (lacquered)		ME 17181 WU AT



## Universal automatic switch 2.2 m

for LB Management inserts "light" ref.-no.: 1701 SE, 1704 ESE, 1702 SE, 1710 DE, 1711 DE, 1713 DSTE, 1723 NE, 1708 IE

Protection level IP 44 is ensured with sealing kit ref.-no. AS A 50 DS and "IP 44 frame" of the respective design range.

## IP 44 suitable for indoor and outdoor installation

### Intended use

- Automatic switching of lighting depending on the thermal movement and ambient brightness
- Operation with flush-mounted insert for switching or dimming or satellite insert 3-wire of the LB Management
- Wall installation on flush-mounted insert

### Product characteristics

Functions directly via cover

- Extension of the detection area in combination with 3-wire satellite insert
- Continuous on, Continuous off
- Operation with 2-wire or 3-wire satellite insert, rotary satellite insert or push-button
- Dimming insert can be dimmed via satellite insert
- Resetting to factory setting

Functions via Clever Config App

- Brightness threshold adjustable
- Adjustment of the sensitivity of the PIR sensors
- Run-on time adjustable
- Continuous on, Continuous off
- On or Off for 0.5 – 5 hours
- Switch-off warning
- Dynamic run-on time
- Presence simulation
- Alarm function
- Timer function
- Operating lock
- Reduced basic sensitivity
- Automatic summer/winter time changeover
- Test operation
- Programming of up to 16 individual switching times

In combination with a switch insert

- Short-time operation

In combination with a dimmer insert

- Switch-on with last brightness or saved switch-on brightness
- Adjusting the minimum brightness
- Adjusting the maximum brightness
- Hotel function
- Night light function

### Technical data

Ambient temperature:	–20 ... +45 °C
Storage/transport temperature:	–25 ... +70 °C
Brightness setting:	approx. 5 ... 500 lx (and daytime operation)
Sensitivity:	0, 25, 50, 75, 100 %
Shut-off delay:	approx. 10 s ... 60 min
Mounting height:	1.10 / 2.20 m
Detection angle:	180°

Detection range (2.2 m mounting height)

Sensitivity 25 %:	max. 7 m
Sensitivity 50 %:	max. 11 m
Sensitivity 75 %:	max. 13 m
Sensitivity 100 %:	max. 15 m

Detection range (1.1 m mounting height)

Sensitivity 25 %:	max. 7 m
Sensitivity 50 %:	max. 8 m
Sensitivity 75 %:	max. 9 m
Sensitivity 100 %:	max. 10 m

Radio frequency:	2.402 ... 2.480 GHz
Transmitting power:	max. 2.5 mW (class 2)
Transmission range:	typical 10 m



Ref.-no.

## Universal automatic switch 2.2 m for AS and A ranges

### Thermoplastic (breakproof) high-gloss

ivory	IP	A 17281
white	IP	A 17281 WW
black	IP	A 17281 SW

### Thermoplastic (breakproof) lacquered

aluminium	IP	A 17281 AL
champagne	IP	A 17281 CH
mocha	IP	A 17281 MO

### matt lacquered

matt snow white	IP	A 17281 WWM
matt graphite black	IP	A 17281 SWM
matt anthracite	IP	A 17281 ANM

### Sealing kit

for automatic switches 2.2 m of the AS / A ranges

IP	AS A 50 DS
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To obtain protection level IP 44

## for CD range

### Thermoplastic (breakproof) high-gloss

ivory	IP	CD 17281
white	IP	CD 17281 WW
grey	IP	CD 17281 GR
light grey	IP	CD 17281 LG
black	IP	CD 17281 SW

### metal colours (thermoplastic lacquered)

gold-bronze	IP	CD 17281 GB
platinum	IP	CD 17281 PT

## for LS range

### Thermoplastic (breakproof) high-gloss

ivory	IP	LS 17281
white	IP	LS 17281 WW
light grey	IP	LS 17281 LG
black	IP	LS 17281 SW

### matt lacquered

matt snow white	IP	LS 17281 WWM
matt graphite black	IP	LS 17281 SWM

### metal colours (thermoplastic lacquered)

aluminium (lacquered)	IP	AL 17281
stainless steel (lacquered)	IP	ES 17281
anthracite (lacquered)	IP	AL 17281 AN
dark (lacquered)	IP	AL 17281 D
classic brass (lacquered)	IP	ME 17281 C
antique brass (lacquered)	IP	ME 17281 AT

### Sealing kit

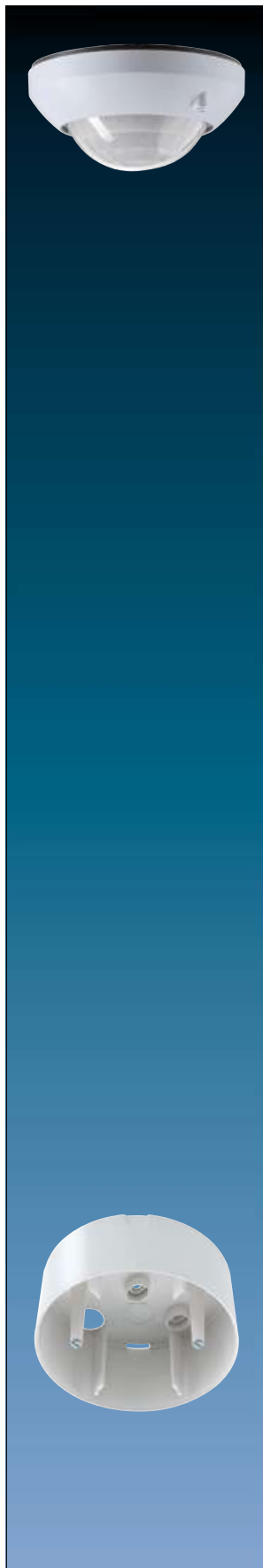
for automatic switches 2.2 m of the CD and LS ranges

IP	AS CD 50 DS
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To obtain protection level IP 44



# LB Management



Ref.-no.	
<b>Motion and presence detector</b>	
for LB Management inserts "light" ref.-no.: 1701 SE, 1704 ESE, 1702 SE, 1710 DE, 1711 DE, 1713 DSTE, 1723 NE, 1708 IE	
white	<b>DWPM 17360 WW</b>
aluminium (lacquered)	<b>DWPM 17360 AL</b>
<b>Intended use</b>	
<ul style="list-style-type: none"> <li>• Automatic switching of lighting depending on the thermal movement and ambient brightness</li> <li>• Operation with flush-mounted insert for switching or dimming or satellite insert 3-wire of the LB Management</li> <li>• Ceiling mounting on flush-mounted insert</li> </ul>	<ul style="list-style-type: none"> <li>• Setting the switch-on threshold</li> <li>• Separate adjustment of the sensitivity of the three PIR sensors</li> <li>• Run-on time adjustable</li> <li>• On or Off</li> <li>• On or Off for 0.5 – 5 hours</li> <li>• Switch-off warning</li> <li>• Dynamic run-on time</li> <li>• Presence simulation</li> <li>• Alarm function</li> <li>• Timer function</li> <li>• Walking test</li> <li>• Programming of up to 16 individual switching times</li> </ul>
<b>Product characteristics</b>	
Functions directly via cover	
<ul style="list-style-type: none"> <li>• Extension of the detection area in combination with 3-wire satellite insert</li> <li>• Operation with 2-wire or 3-wire satellite insert, rotary satellite insert or push-button</li> <li>• Dimming light via satellite unit, with dimmer insert</li> <li>• Resetting to factory setting</li> <li>• Screen for limiting the detection area</li> </ul>	<ul style="list-style-type: none"> <li>• In combination with a switch insert</li> <li>• Pulse operation</li> <li>• In combination with a dimmer insert</li> <li>• Constant light control</li> <li>• Switch-on with last brightness or saved switch-on brightness</li> <li>• Hotel function</li> <li>• Night light function</li> </ul>
Functions via Clever Config App	
<ul style="list-style-type: none"> <li>• Setting the device as presence detector or motion detector</li> </ul>	
<b>Technical data</b>	
Ambient temperature:	–5 ... +45 °C
Storage/transport temperature:	–25 ... +70 °C
Dimensions (Ø x H):	103 x 66 mm
Mounting height:	3.00 m
Detection range:	Ø approx. 20 m (Mounting height 3 m)
Detection angle:	360°
Sensitivity:	0, 25, 50, 75, 100 %
Brightness threshold	
Motion detector operation:	approx. 5 ... 500 lx (and daytime operation)
Presence detector operation:	approx. 5 ... 1,000 lx (and daytime operation)
Short-time operation	
Pulse duration:	approx. 0.5 s
Pulse interval:	approx. 3 s
Bluetooth	
Radio frequency:	2.402 ... 2.480 GHz
Transmitting power:	max. 2.5 mW (class 2)
Transmission range:	typical 10 m
<b>Surface-mounted housing</b>	
to fix power units for ceiling installation (surface-mounted) of motion and presence detectors ref.-no. DWPM 17360 WW and DWPM 17360 AL	
white	<b>PM-KAPPE</b>
aluminium (lacquered)	<b>PM-KAPPE AL</b>
<b>Technical data</b>	
Dimensions (Ø x H):	103 x 45 mm

Ref.-no.

## Motion and presence detector with integrated relay switch

including IR remote control ref.-no.: DWPM FB IR K

white

**DWPM K 360 WW**

aluminium (lacquered)

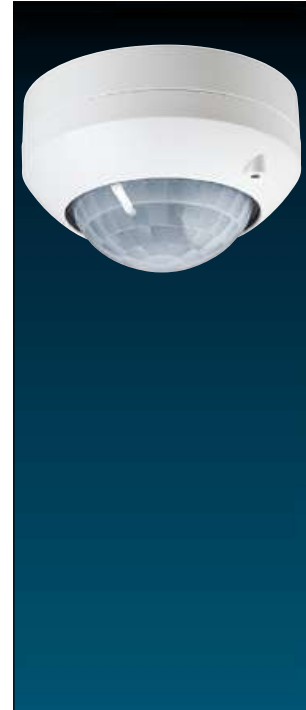
**DWPM K 360 AL**

### Intended use

- Automatic switching of lighting depending on the thermal movement and ambient brightness
- Ceiling installation, surface mounting in dry indoor areas

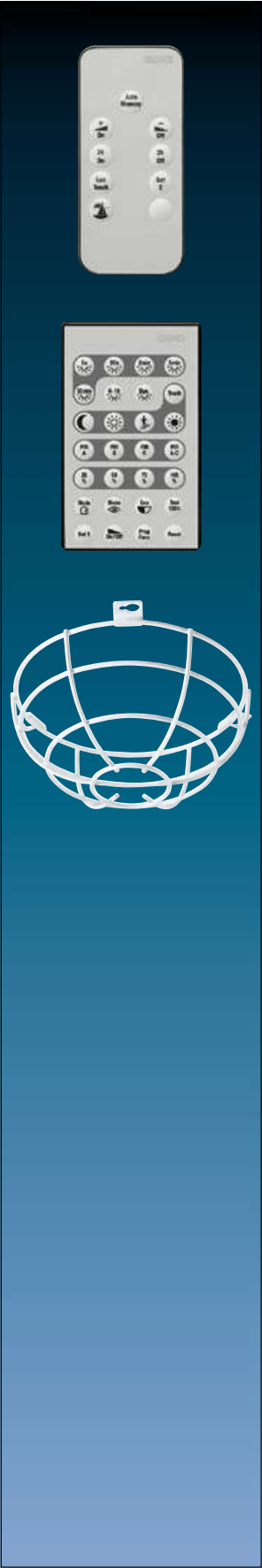
### Product characteristics

- 2-point light control
- Functions adjustable with IR remote control
- Restriction of the detection field by switching off individual sensors or push-on cover
- Operation with IR remote control, 2-wire extension or installation button
- Teach function for adjustment of the brightness threshold in combination with IR remote control
- Switch-off warning
- Short-time operation, e.g. to activate acoustic signal transmitters
- Display LEDs
- Presence simulation
- Function as twilight switch
- Dynamic run-on time
- Extension of the detection area through parallel switching of multiple devices



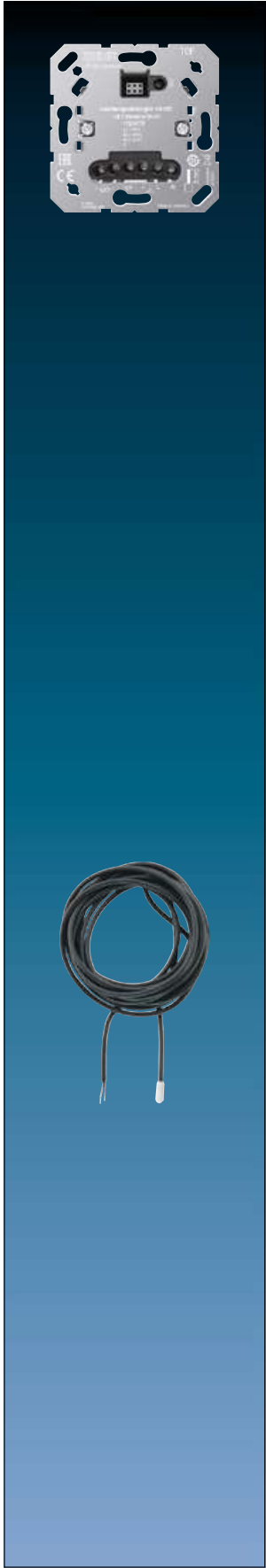
### Technical data

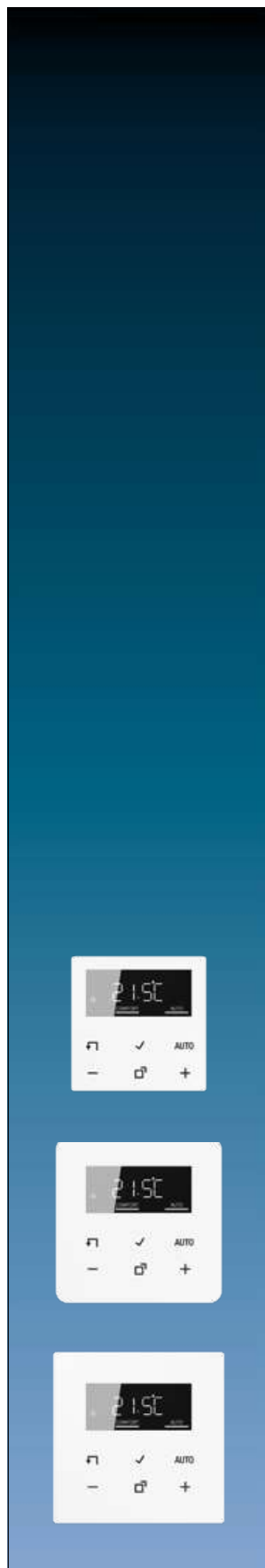
Rated voltage:	AC 110 ... 230 V ~	Connected load at AC 110 V ~ and 35 °C	
Mains frequency:	50/60 Hz	Incandescent lamps:	1150 W
Ambient temperature:	-5 ... +45 °C	HV halogen lamps:	1000 W
Stand-by power:	max. 0.3 W	Electronic transformers:	750 W
Circuit breaker:	max. 16 A	Inductive transformers:	500 VA
Contact type:	μ	HV LED lamps:	typical 200 W
Detection angle:	360°	Compact fluorescent lamps:	typical 200 W
Dimensions (Ø x H):	103 x 66 mm	Fluorescent lamps	
Mounting height:	3.00 m	non-compensated:	460 VA
Detection range:	Ø approx. 20 m	Capacitive load:	345 VA (560 μF)
Sensitivity:	25 ... 100 %	Connection	
Brightness setting:	approx. 5 ... 2,000 lx (and daytime operation)	single wire:	1 x 1 ... 2.5 mm <sup>2</sup>
Shut-off delay:	approx. 10 s ... 30 min	stranded with tin-plated	
Short-time operation		conductor ends:	1 x 0.75 ... 1.5 mm <sup>2</sup>
Pulse duration:	approx. 0.5 s	Number of satellite units	
Pulse interval:	approx. 3 s	unlit installation buttons:	unlimited
Switching current at 35 °C		Satellite insert 2-wire:	unlimited
Ohmic:	16 A (AC1)	Total length of extension unit cable:	max. 100 m
Fluorescent lamps:	4 AX	Total length power cable:	max. 100 m
Connected load at AC 230 V ~ and 35 °C		<b>IR remote control</b>	
Incandescent lamps:	2300 W	Battery type:	1 x lithium CR 2025 (included)
HV halogen lamps:	2000 W		
Electronic transformers:	1500 W		
Inductive transformers:	1000 VA		
HV LED lamps:	typical 400 W		
Compact fluorescent lamps:	typical 400 W		
Fluorescent lamps			
non-compensated:	920 VA		
Capacitive load:	690 VA (560 μF)		



	Ref.-no.
<b>IR remote control</b> for motion and presence detector ref.-no.: DWPM K 360 .. (Spare part)	
	<b>DWPM FB IR K</b>
Battery operation with one included lithium button cell (CR 2025)	
<b>IR remote control (electrician)</b> for motion and presence detector ref.-no.: DWPM K 360 ..	
	<b>DWPM FB IR I</b>
Battery operation with one included lithium button cell (CR 2025)	
<b>Protection cage</b> for motion and presence detector ref.-no. DWPM 17360 .. (Remove push-on cover when installed in surface-mounted housing. Detection range may be reduced.) for motion and presence detector ref.-no.: DWPM K 360 ..	
white	<b>SK 180-90 WW</b>
varnished steel with plastic coating dimensions (Ø x H): approx. 180 x 90 mm	

Ref.-no.																					
<b>Room thermostat insert</b> with sensor connection for displays ref.-no.: .. 1790 D ..																					
1790 RTR																					
<b>Intended use</b> <ul style="list-style-type: none"><li>• Switching of electric underfloor heating systems and electrothermal valve drives</li><li>• Operation with room temperature controller cover of the LB Management</li><li>• Installation in flush box according to EN 60670-1</li></ul>																					
<b>Product characteristics</b> <ul style="list-style-type: none"><li>• Pulse width modulation (PWM) or two-point control (on/off)</li><li>• Enables connection of a remote sensor (ref.-no.: FF 7.8)</li><li>• Input for switching to cooling mode</li><li>• Interrupts the heating process after 60 minutes (overheating protection of a heater)</li></ul>																					
<b>Technical data</b> <table><tr><td>Rated voltage:</td><td>AC 230 V ~</td></tr><tr><td>Mains frequency:</td><td>50/60 Hz</td></tr><tr><td>Stand-by power depending on the cover:</td><td>approx. 0.1 ... 0.5 W</td></tr><tr><td>Switching current 230 V AC1:</td><td>10 mA ... 16 A</td></tr><tr><td>Connected load:</td><td>max. 3,600 W</td></tr><tr><td>Connection</td><td></td></tr><tr><td>    single wire:</td><td>1 x 0.5 ... 4.0 mm<sup>2</sup> 2 x 0.5 ... 2.5 mm<sup>2</sup></td></tr><tr><td>    stranded without ferrule:</td><td>1 x 0.5 ... 4.0 mm<sup>2</sup> 2 x 0.5 ... 2.5 mm<sup>2</sup></td></tr><tr><td>    stranded with ferrule:</td><td>1 x 0.5 ... 4.0 mm<sup>2</sup> 2 x 0.5 ... 1.5 mm<sup>2</sup></td></tr><tr><td>Ambient temperature:</td><td>-5 ... +45 °C</td></tr></table> <p>Displays standard for room temperature control see page 264</p>		Rated voltage:	AC 230 V ~	Mains frequency:	50/60 Hz	Stand-by power depending on the cover:	approx. 0.1 ... 0.5 W	Switching current 230 V AC1:	10 mA ... 16 A	Connected load:	max. 3,600 W	Connection		single wire:	1 x 0.5 ... 4.0 mm <sup>2</sup> 2 x 0.5 ... 2.5 mm <sup>2</sup>	stranded without ferrule:	1 x 0.5 ... 4.0 mm <sup>2</sup> 2 x 0.5 ... 2.5 mm <sup>2</sup>	stranded with ferrule:	1 x 0.5 ... 4.0 mm <sup>2</sup> 2 x 0.5 ... 1.5 mm <sup>2</sup>	Ambient temperature:	-5 ... +45 °C
Rated voltage:	AC 230 V ~																				
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Connection																					
single wire:	1 x 0.5 ... 4.0 mm <sup>2</sup> 2 x 0.5 ... 2.5 mm <sup>2</sup>																				
stranded without ferrule:	1 x 0.5 ... 4.0 mm <sup>2</sup> 2 x 0.5 ... 2.5 mm <sup>2</sup>																				
stranded with ferrule:	1 x 0.5 ... 4.0 mm <sup>2</sup> 2 x 0.5 ... 1.5 mm <sup>2</sup>																				
Ambient temperature:	-5 ... +45 °C																				
<b>External temperature sensor</b> for room thermostat ref.-no. 1790 RTR, TR D .. 1790 .. spare part for floor thermostat ref.-no. FTR .. 231 .. The sensor cable can be connected using a bifilar cable of 1.5 mm <sup>2</sup> in diameter that is suitable for mains voltage. When installed in a cable duct or near high voltage current cables, a shielded cable must be used.																					
FF 7.8																					
Also suitable as external temperature sensor for the following KNX devices, ref.-no.: .. 2178 TS .., .. 2178 ORTS .., .. 5192 KRM TS D, .. 5194 KRM TS D, 2177 SV R, 23066 REGHE																					
<b>Technical data</b> <table><tr><td colspan="2">NTC sensor in plastic cap 7.8 mm Ø</td></tr><tr><td>Cable length:</td><td>4 m</td></tr><tr><td>Ambient temperature:</td><td>-25 ... +70 °C</td></tr></table>		NTC sensor in plastic cap 7.8 mm Ø		Cable length:	4 m	Ambient temperature:	-25 ... +70 °C														
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Ref.-no.

## Display standard for room temperature control

for room thermostat insert ref.-no.: 1790 RTR

for switch inserts ref.-no.: 1701 SE, 1704 ESE

## Intended use

- Manual and time-controlled regulation of the room temperature
- Operation with room thermostat insert or switch insert of the LB Management

## Product characteristics

- Real glass front panel
- 6 sensor buttons
- Timer with three memory areas
  - Comfort and ECO time for Mo-Fr and Sa-Su in each memory area
- Setting a comfort, ECO, cooling and frost protection temperature
- Current time can be saved as switching time, quick programming
- Automatic summer/winter time changeover, can be switched off
- Illuminated segment display for easy reading
- Operating lock
- Optimised heating up (temperature is reached at the set time), can be switched off
- Adaptation to valves normally open or normally closed)
- Cooling mode possible
- Supports internal and external temperature sensor
- Temperature drop detection (call-up of frost protection temperature when window is opened)
- Offset adjustment (correction value for measured temperature)
- Controller output working method: pulse width modulation (PWM) or two-point
- Valve protection function (once a week opening and closing of valve, on Saturdays at 11 a.m.)
- Interrupts the heating process after 60 minutes for 5 minutes
- Heating / cooling, switch-over via insert input
- Display switches off after 2 minutes, permanent indication of set/actual temperature or current time possible

## Technical data

Ambient temperature:	-5 ... +45 °C
Storage/transport temperature:	-20 ... +70 °C
Accuracy per month:	± 10 s
Power reserve:	> 4 h

## for AS and A ranges

white	<b>A 1790 D WW</b>
black	<b>A 1790 D SW</b>

## for CD range

white	<b>CD 1790 D WW</b>
black	<b>CD 1790 D SW</b>

## for LS range

white	<b>LS 1790 D WW</b>
black	<b>LS 1790 D SW</b>

Ref.-no.

## Room thermostat with display standard

consists of room thermostat insert (ref.-no.: 1790 RTR) and display (ref.-no.: .. 1790 D ..)

### Technical data

Rated voltage:	AC 230 V ~
Mains frequency:	50/60 Hz
Stand-by power depending on the cover:	approx. 0.1 ... 0.5 W
Switching current 230 V AC1:	10 mA ... 16 A
Connected load:	max. 3,600 W
Connection	
single wire:	1 x 0.5 ... 4.0 mm <sup>2</sup> 2 x 0.5 ... 2.5 mm <sup>2</sup>
stranded without ferrule:	1 x 0.5 ... 4.0 mm <sup>2</sup> 2 x 0.5 ... 2.5 mm <sup>2</sup>
stranded with ferrule:	1 x 0.5 ... 4.0 mm <sup>2</sup> 2 x 0.5 ... 1.5 mm <sup>2</sup>
Ambient temperature:	-5 ... +45 °C
Accuracy per month:	± 10 s
Power reserve:	> 4 h

### for AS and A ranges

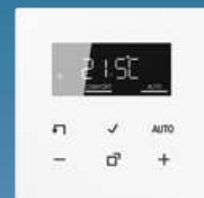
white	TR D A 1790 WW
black	TR D A 1790 SW

### for CD range

white	TR D CD 1790 WW
black	TR D CD 1790 SW

### for LS range

white	TR D LS 1790 WW
black	TR D LS 1790 SW



# Dimming competence in LB Management

## LED UNIVERSAL ROTARY DIMMER



in A CREATION in matt anthracite

## DALI ROTARY CONTROLLER TW



in LS 990 in white

## MINI UNIVERSAL DIMMER LED



## UNIVERSAL DIMMER FOR RAIL MOUNTING LED



The dimmers in different designs, for flush-mounting, for installation in false ceilings or in the distribution system, can be selected according to the spatial conditions.





**LED UNIVERSAL ROTARY DIMMER**

With LB Management, various options are available for future-proof lighting control, including connection to DALI lighting systems.



Ref.-no.

## Standard rotary dimmer LED

incremental control without end position  
without satellite input

**1730 DD**

### Intended use

- Switching and dimming of lighting
- Operation with suitable cover
- Installation in flush box according to EN 60670-1

### Product characteristics

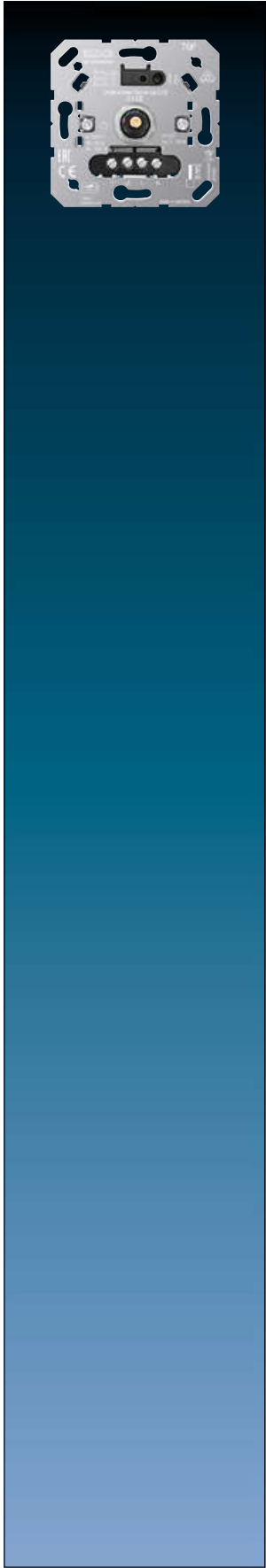
- Device works according to the leading edge phase control or trailing edge phase control principle
- Automatic setting of the dimming principle suitable for the load
- Device can be operated without neutral conductor
- Switch-on via bulb-preserving soft start
- Switch-on with last brightness or saved switch-on brightness
- Switch-on brightness can be saved permanently
- Minimum brightness can be saved permanently
- Electronic short-circuit protection with permanent switch-off after 7 seconds at the latest
- Electronic over-temperature protection
- Power extension possible by means of power boosters (ref.-no. ULZ 1755 REG)
- Optional accessory: compensation module LED, ref.-no.: KM LED 230 U

### Technical data

Rated voltage:	AC 230 V ~
Mains frequency:	50/60 Hz
Stand-by power:	approx. 0.35 W
Power loss:	approx. 2 W
Ambient temperature:	-5 ... +45 °C
Connected load at 25 °C	
Incandescent lamps:	20 ... 210 W
HV halogen lamps:	20 ... 210 W
Electronic transformers:	20 ... 210 W
Electronic transformers with LV LED:	typical 20 ... 60 W
Inductive transformers:	20 ... 210 VA
Inductive transformers with LV LED:	typical 20 ... 60 VA
Dimmable HV LED lamps:	typical 3 ... 60 W
Dimmable compact fluorescent lamps:	typical 3 ... 60 W
Ohmic-capacitive:	20 ... 210 W
Capacitive-inductive:	not permitted
Ohmic-inductive:	20 ... 210 VA
Ohmic and HV LED:	typical 3 ... 60 W
Ohmic and CFL:	typical 3 ... 60 W
Operation without neutral conductor: Minimum load 50 W.	
Does not apply to loads with HV LED and compact fluorescent lamps.	
Amplifiers:	see instructions for amplifier
Connection:	screw terminals
single wire:	1 x 0.5 ... 4.0 mm <sup>2</sup>
	2 x 0.5 ... 2.5 mm <sup>2</sup>
stranded without ferrule:	1 x 0.5 ... 4.0 mm <sup>2</sup>
	2 x 0.5 ... 2.5 mm <sup>2</sup>
stranded with ferrule:	1 x 0.5 ... 4.0 mm <sup>2</sup>
	2 x 0.5 ... 1.5 mm <sup>2</sup>
Total length power cable:	max. 100 m



Ref.-no.	
<b>Rotary dimmer universal LED</b>	
incremental control without end position with satellite input	
1731 DD	
<b>Intended use</b>	
<ul style="list-style-type: none"><li>• Switching and dimming of lighting</li><li>• Operation with suitable cover</li><li>• Installation in flush box according to EN 60670-1</li></ul>	
<b>Product characteristics</b>	
<ul style="list-style-type: none"><li>• Device works according to the leading edge phase control or trailing edge phase control principle</li><li>• Automatic or manual setting of the dimming principle suitable for the load</li><li>• Display of the set operating mode by means of LED</li><li>• Device can be operated without neutral conductor</li><li>• Switch-on via bulb-preserving soft start</li><li>• Switch-on with last brightness or saved switch-on brightness</li><li>• Switch-on brightness can be saved permanently</li><li>• Minimum brightness can be saved permanently</li><li>• Connection of satellite units possible</li><li>• Electronic short-circuit protection with permanent switch-off after 7 seconds at the latest</li><li>• Electronic over-temperature protection</li><li>• Key card function</li><li>• Power extension possible by means of power boosters (ref.-no. ULZ 1755 REG)</li><li>• Optional accessory: compensation module LED, ref.-no.: KM LED 230 U</li></ul>	
<b>Technical data</b>	
Rated voltage:	AC 230 V ~
Mains frequency:	50/60 Hz
Stand-by power:	approx. 0.35 W
Power loss:	approx. 4 W
Ambient temperature:	-5 ... +45 °C
Connected load at 25 °C	
Incandescent lamps:	20 ... 420 W
HV halogen lamps:	20 ... 420 W
Electronic transformers:	20 ... 420 W
Electronic transformers with LV LED:	typical 20 ... 100 W
Inductive transformers:	20 ... 420 VA
Inductive transformers with LV LED:	typical 20 ... 100 VA
Dimmable HV LED lamps:	typical 3 ... 100 W
Dimmable compact fluorescent lamps:	typical 3 ... 100 W
Operating mode LED trailing edge phase control: Rated power for HV LED lamps,	
typ. 3 ... 400 W, electronic transformers with LV LED typ. 20 ... 200 W.	
Ohmic-capacitive:	20 ... 420 W
Capacitive-inductive:	not permitted
Ohmic-inductive:	20 ... 420 VA
Ohmic and HV LED:	typical 3 ... 100 W
Ohmic and CFL:	typical 3 ... 100 W
Amplifiers:	see instructions for amplifier
Connection:	screw terminals
single wire:	1 x 0.5 ... 4.0 mm <sup>2</sup>
	2 x 0.5 ... 2.5 mm <sup>2</sup>
stranded without ferrule:	1 x 0.5 ... 4.0 mm <sup>2</sup>
	2 x 0.5 ... 2.5 mm <sup>2</sup>
stranded with ferrule:	1 x 0.5 ... 4.0 mm <sup>2</sup>
	2 x 0.5 ... 1.5 mm <sup>2</sup>
Number of satellite units	
Rotary satellite insert 3-wire 1733 DNE:	10
Satellite insert 3-wire 1723 NE:	10
Satellite insert 2-wire 1720 NE:	unlimited
Push-buttons:	unlimited
Total length of extension unit cable:	max. 100 m
Total length power cable:	max. 100 m





Ref.-no.

## Rotary satellite insert 3-wire

1733 DNE

### Intended use

- Extension operation for dimmers ref.-no.: 1731 DD, 1711 DE, 1724 DM, UD 1755 REG
- Operation with suitable cover
- Installation in flush box according to EN 60670-1

### Technical data

Rated voltage:	AC 230 V ~
Mains frequency:	50/60 Hz
Stand-by power:	approx. 0.3 W
Ambient temperature:	-5 ... +45 °C
Connection:	screw terminals
single wire:	1 x 0.5 ... 4.0 mm <sup>2</sup> 2 x 0.5 ... 2.5 mm <sup>2</sup>
stranded without ferrule:	1 x 0.5 ... 4.0 mm <sup>2</sup> 2 x 0.5 ... 2.5 mm <sup>2</sup>
stranded with ferrule:	1 x 0.5 ... 4.0 mm <sup>2</sup> 2 x 0.5 ... 1.5 mm <sup>2</sup>
Total length of extension unit cable:	max. 100 m

## Rotary dimmer insert 100 – 1000 W with 2-way push switch

211 GDE

- Switching and dimming incandescent lamps and HV halogen lamps
- Installation in flush box according to EN 60670-1
- Suitable for mixed operation up to the specified output


### Product characteristics

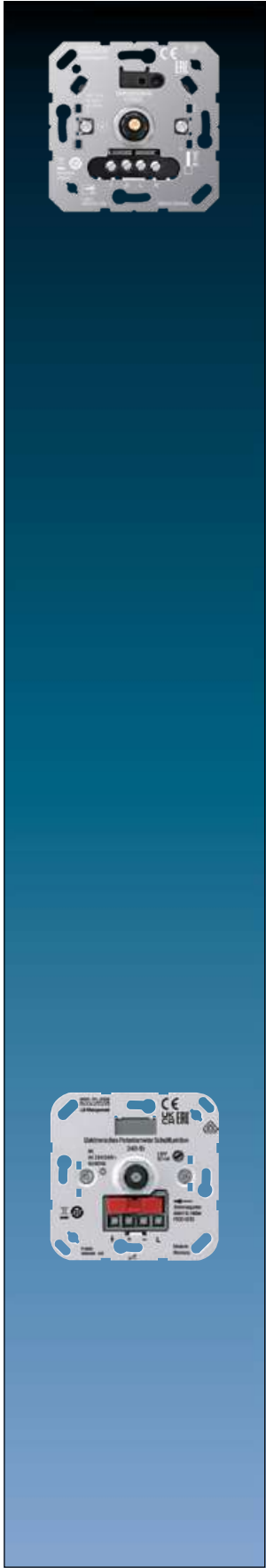
- Dimming method: trailing edge phase control
- Electronic short-circuit protection with permanent switch-off after 7 seconds at the latest
- Electronic over-temperature protection
- Satellite switching possible in combination with 2-way switch
- Optional accessory: compensation module LED, ref.-no.: KM LED 230 U

### Technical data



Rated voltage:	AC 230/240 V ~, 50 Hz
Ambient temperature:	-5 ... +25 °C
Connected load at 25 °C	
Incandescent lamps:	100 ... 1000 W
HV halogen lamps:	100 ... 1000 W
Reduction of load	
for every 5 °C exceeding 35 °C:	-10 %
for installation into wooden	
or hollow walls:	-15 %
for installation	
into multiple combinations:	-20 %
Connection:	screw terminals
single wire:	max. 4 mm <sup>2</sup>



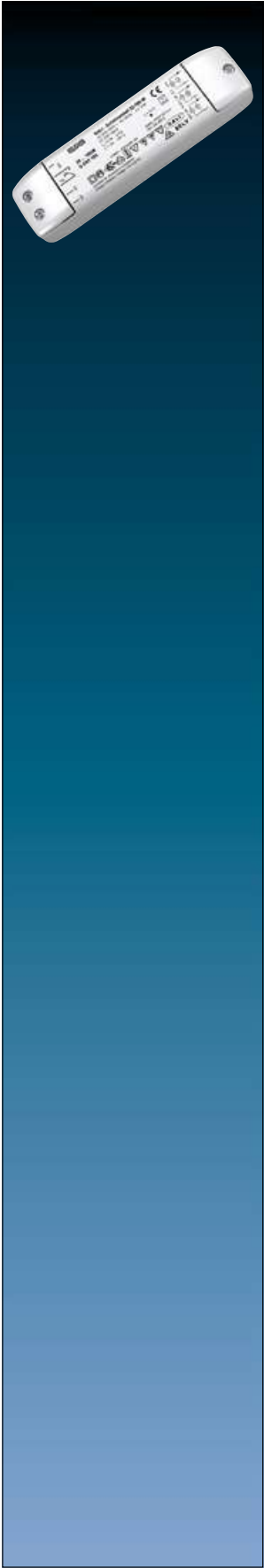
Ref.-no.																																	
<b>Speed regulator</b> incremental control without end position with satellite input																																	
1735 DS																																	
<b>Intended use</b> <ul style="list-style-type: none"><li>• Speed controller for regulating the speed of single-phase motors e.g. induction motors or shaded pole motors</li><li>• Installation in flush box according to EN 60670-1</li><li>• Operation with suitable cover</li></ul>																																	
<b>Product characteristics</b> <ul style="list-style-type: none"><li>• Device works according to the leading edge phase control principle</li><li>• Device can be operated without neutral conductor</li><li>• Switch-on via soft start to maximum speed</li><li>• Basic speed can be saved permanently</li><li>• Connection of satellite units possible</li><li>• Electronic short-circuit protection with permanent switch-off after 100 ms</li><li>• Electronic over-temperature protection</li></ul>																																	
<b>Technical data</b> <table><tr><td>Rated voltage:</td><td>AC 230 V ~</td></tr><tr><td>Mains frequency:</td><td>50/60 Hz</td></tr><tr><td>Stand-by power:</td><td>max. 0.5 W</td></tr><tr><td>Power loss:</td><td>max. 4 W</td></tr><tr><td>Ambient temperature:</td><td>-5 ... +45 °C</td></tr><tr><td>Switching current:</td><td>60 mA ... 1.8 A</td></tr><tr><td>Connection:</td><td>screw terminals</td></tr><tr><td>single wire:</td><td>1 x 0.5 ... 4.0 mm<sup>2</sup> 2 x 0.5 ... 2.5 mm<sup>2</sup></td></tr><tr><td>stranded without ferrule:</td><td>1 x 0.5 ... 4.0 mm<sup>2</sup> 2 x 0.5 ... 2.5 mm<sup>2</sup></td></tr><tr><td>stranded with ferrule:</td><td>1 x 0.5 ... 4.0 mm<sup>2</sup> 2 x 0.5 ... 1.5 mm<sup>2</sup></td></tr></table> <table><tr><td colspan="2">Number of satellite units</td></tr><tr><td>Rotary satellite insert 3-wire</td><td></td></tr><tr><td>1733 DNE:</td><td>10</td></tr><tr><td>Push-buttons:</td><td>unlimited</td></tr></table> <table><tr><td>Total length of extension unit cable:</td><td>max. 100 m</td></tr><tr><td>Total length power cable:</td><td>max. 100 m</td></tr></table>		Rated voltage:	AC 230 V ~	Mains frequency:	50/60 Hz	Stand-by power:	max. 0.5 W	Power loss:	max. 4 W	Ambient temperature:	-5 ... +45 °C	Switching current:	60 mA ... 1.8 A	Connection:	screw terminals	single wire:	1 x 0.5 ... 4.0 mm <sup>2</sup> 2 x 0.5 ... 2.5 mm <sup>2</sup>	stranded without ferrule:	1 x 0.5 ... 4.0 mm <sup>2</sup> 2 x 0.5 ... 2.5 mm <sup>2</sup>	stranded with ferrule:	1 x 0.5 ... 4.0 mm <sup>2</sup> 2 x 0.5 ... 1.5 mm <sup>2</sup>	Number of satellite units		Rotary satellite insert 3-wire		1733 DNE:	10	Push-buttons:	unlimited	Total length of extension unit cable:	max. 100 m	Total length power cable:	max. 100 m
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<b>Electronic potentiometer, 1 – 10 V</b> for dimming of fluorescent lamps controlled by electronic ballasts or electronic transformers with control voltage 1 – 10 V with switch function																																	
240-10																																	
switching capacity of mains switch: AC 230 V ~ 50/60 Hz, max. 6 A for resistive loads																																	
<b>Intended use</b> <ul style="list-style-type: none"><li>• Switching and brightness setting for lamps with operating devices with 1 – 10 V interface</li><li>• Installation in flush box according to EN 60670-1</li></ul>																																	
<b>Product characteristics</b> <ul style="list-style-type: none"><li>• Potentiometer with switching function for direct switching of ohmic or inductive loads</li><li>• Potentiometer with push-button function only in connection with pulse relays</li><li>• Minimum brightness can be set</li><li>• For potentiometers with a push-button function, switching via extensions is possible</li><li>• Protection of the 1 – 10 V interface in case of incorrect connection by means of integrated fine-wire fuse</li></ul>																																	

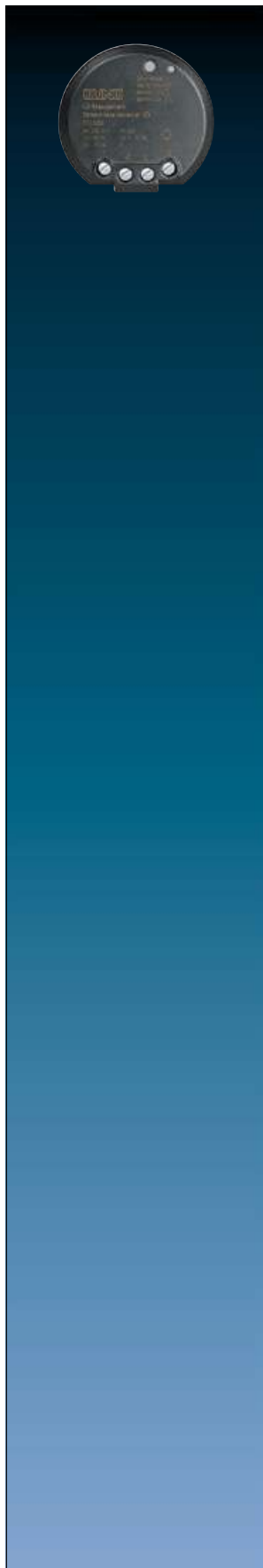




	Ref.-no.
<b>DALI rotary controller TW</b>	
	<b>1740 DSTE</b>
<b>Intended use</b>	
<ul style="list-style-type: none"><li>• Switching and brightness setting for luminaires with DALI/DALI2 interface</li><li>• Setting of colour temperature for luminaires with DALI Device Type 8 for tunable white acc. to IEC 62386-209</li><li>• Installation in flush box according to EN 60670-1</li></ul>	
<b>Product characteristics</b>	
<ul style="list-style-type: none"><li>• Certified acc. to IEC 62386-101 and 103 (Single Master)</li><li>• Operation as Single Master (no switching in parallel)</li><li>• Saving of colour temperature limiting values</li><li>• Possibility of storing a basic brightness and a fixed power-on brightness.</li><li>• Powered using the DALI voltage provided by an external DALI power supply acc. to IEC 62386-101</li></ul>	
<b>Technical data</b>	
(external DALI power supply acc. to IEC 62386-101 required)	
Rated voltage DALI:	DC 16 V (typ.)
Power consumption:	max. 2 W
Ambient temperature:	-5 ... +45 °C
Colour temperature setting:	2,000 ... 10,000 K
	
<b>Power DALI rotary controller TW</b>	
	<b>1741 DSTE</b>
<b>Intended use</b>	
<ul style="list-style-type: none"><li>• Switching and brightness setting for luminaires with DALI/DALI2 interface</li><li>• Setting of colour temperature for luminaires with DALI Device Type 8 for tunable white acc. to IEC 62386-209</li><li>• Installation in flush box according to EN 60670-1</li></ul>	
<b>Product characteristics</b>	
<ul style="list-style-type: none"><li>• Certified acc. to IEC 62386-101 and 103 (Single Master)</li><li>• Operation as Single Master (no switching in parallel)</li><li>• Saving of colour temperature limiting values</li><li>• Possibility of storing a basic brightness and a fixed power-on brightness.</li></ul>	
<b>Technical data</b>	
Rated voltage:	AC 230 V ~, 50/60 Hz
Power consumption:	max. 2 W
Ambient temperature:	-5 ... +45 °C
Rated voltage DALI:	DC 16 V (typ.)
Output current:	max. 56 mA
Short-circuit current:	max. 61 mA
Colour temperature setting:	2,000 ... 10,000 K
Output current:	max. 56 mA
Number of DALI devices:	max. 28
	

Ref.-no.	
DALI transformer for LV halogen lamps	
D SNT 105	
<b>Intended use</b> <ul style="list-style-type: none"><li>• Power supply for 12 V halogen lamps</li><li>• Switching and brightness adjustment is performed with DALI control units or push-buttons</li><li>• Installation in false ceilings or surface mounting</li></ul>	
<b>Product characteristics</b> <ul style="list-style-type: none"><li>• No-load protection</li><li>• Electronic short-circuit protection</li><li>• Electronic overload protection</li><li>• Electronic over-temperature protection</li><li>• Suitable for operation in systems with emergency power supply</li></ul>	
<b>Technical data</b>	
Rated capacity:	35 ... 105 W
Rated voltage:	AC 230/240 V ~, 50/60 Hz
Output voltage:	11.5 V eff. ~ 40 kHz
Short-circuit protection:	electronic protection without fuse
Output cable length:	max. 2 m
Dimensions:	170 x 44 x 34 mm
Ambient temperature:	max. 50 °C
Terminals:	screw terminals
primary	1 x 0.5 ... 1.5 mm <sup>2</sup>
secondary	1 x 0.75 ... 2.5 mm <sup>2</sup>
Approvals:	VDE



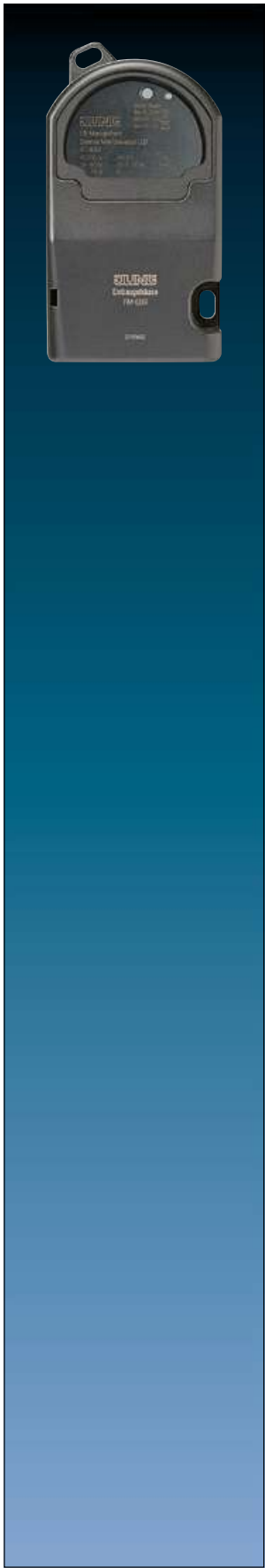


	Ref.-no.
<b>Dimmer mini universal LED</b> with satellite input	
	<b>1724 DM</b>
<b>Intended use</b>	
<ul style="list-style-type: none"> <li>• Switching and dimming of lighting</li> <li>• Operation takes place with a 2- or 3-wire satellite insert, rotary satellite insert or push-button with make contact (NO)</li> <li>• Installation in flush box according to EN 60670-1 in combination with a suitable cover</li> <li>• Mounting in surface-mounted housing or mounting adapter (ref.-no. FM-EBG) for false ceilings</li> </ul>	
<b>Product characteristics</b>	
<ul style="list-style-type: none"> <li>• Device works according to the leading edge phase control or trailing edge phase control principle</li> <li>• Test operation for functional test</li> <li>• Automatic or manual setting of the dimming principle suitable for the load</li> <li>• Display of the set operating mode by means of LED</li> <li>• Device can be operated without neutral conductor</li> <li>• Switch-on via bulb-preserving soft start</li> <li>• Switch-on with last brightness or saved switch-on brightness</li> <li>• Switch-on brightness can be saved permanently</li> <li>• Minimum brightness can be saved permanently</li> <li>• Electronic short-circuit protection with permanent switch-off after 7 seconds at the latest</li> <li>• Electronic over-temperature protection</li> <li>• Power extension possible by means of power boosters (ref.-no. ULZ 1755 REG)</li> <li>• Optional accessory: compensation module LED, ref.-no.: KM LED 230 U</li> </ul>	
<b>Technical data</b>	
Rated voltage:	AC 230 V ~
Mains frequency:	50/60 Hz
Stand-by power:	approx. 0.3 W
Power loss:	approx. 2 W
Ambient temperature:	-5 ... +45 °C
Connected load at 25 °C	
Incandescent lamps:	20 ... 210 W
HV halogen lamps:	20 ... 210 W
Electronic transformers:	20 ... 210 W
Electronic transformers with LV LED:	typical 20 ... 50 W
Inductive transformers:	20 ... 210 VA
Inductive transformers with LV LED:	typical 20 ... 50 VA
Dimmable HV LED lamps:	typical 3 ... 50 W
Dimmable compact fluorescent lamps:	typical 3 ... 50 W
With setting "LED trailing edge phase control" the max. connection power for HV LED lamps and electronic transformers with LV LED doubles.	
Ohmic-capacitive:	20 ... 210 W
Capacitive-inductive:	not permitted
Ohmic-inductive:	20 ... 210 VA
Ohmic and HV LED:	typical 3 ... 50 W
Ohmic and CFL:	typical 3 ... 50 W
Amplifiers:	see instructions for amplifier
Connection:	screw terminals
single wire:	1 x 0.75 ... 2.5 mm <sup>2</sup> 2 x 0.75 ... 1.5 mm <sup>2</sup>
stranded without ferrule:	1 x 1.0 ... 4.0 mm <sup>2</sup> 2 x 1.0 ... 2.5 mm <sup>2</sup>
stranded with ferrule:	1 x 1.0 ... 2.5 mm <sup>2</sup> 2 x 1.0 ... 1.0 mm <sup>2</sup>
Number of satellite units	
Satellite insert 2-wire 1720 NE:	unlimited
Satellite insert 3-wire 1723 NE:	10
Rotary satellite insert 3-wire 1733 DNE:	10
unlit installation buttons:	unlimited
Total length of extension unit cable:	max. 100 m
Total length power cable:	max. 100 m
Dimensions (Ø x H):	48 x 19.5 mm





Ref.-no.	
<b>Universal dimmer LED, built-in</b> with satellite input	
<b>1724 DEB</b>	
<b>Intended use</b> <ul style="list-style-type: none"><li>• Switching and dimming of lighting</li><li>• Operation takes place with a 2- or 3-wire satellite insert, rotary satellite insert or push-button with make contact (NO)</li><li>• Mounting in false ceilings</li></ul>	
<b>Product characteristics</b> <ul style="list-style-type: none"><li>• Device works according to the leading edge phase control or trailing edge phase control principle</li><li>• Test operation for functional test</li><li>• Automatic or manual setting of the dimming principle suitable for the load</li><li>• Display of the set operating mode by means of LED</li><li>• Device can be operated without neutral conductor</li><li>• Switch-on via bulb-preserving soft start</li><li>• Switch-on with last brightness or saved switch-on brightness</li><li>• Switch-on brightness can be saved permanently</li><li>• Minimum brightness can be saved permanently</li><li>• Electronic short-circuit protection with permanent switch-off after 7 seconds at the latest</li><li>• Electronic over-temperature protection</li><li>• Power extension possible by means of power boosters (ref.-no. ULZ 1755 REG)</li><li>• Optional accessory: compensation module LED, ref.-no.: KM LED 230 U</li></ul>	
<b>Technical data</b>	
Rated voltage:	AC 230 V ~
Mains frequency:	50/60 Hz
Stand-by power:	approx. 0.3 W
Power loss:	approx. 2 W
Ambient temperature:	-5 ... +45 °C
Connected load at 25 °C	
Incandescent lamps:	20 ... 210 W
HV halogen lamps:	20 ... 210 W
Electronic transformers:	20 ... 210 W
Electronic transformers with LV LED:	typical 20 ... 50 W
Inductive transformers:	20 ... 210 VA
Inductive transformers with LV LED:	typical 20 ... 50 VA
Dimmable HV LED lamps:	typical 3 ... 50 W
Dimmable compact fluorescent lamps:	typical 3 ... 50 W
With setting "LED trailing edge phase control" the max. connection power for HV LED lamps and electronic transformers with LV LED doubles.	
Ohmic-capacitive:	20 ... 210 W
Capacitive-inductive:	not permitted
Ohmic-inductive:	20 ... 210 VA
Ohmic and HV LED:	typical 3 ... 50 W
Ohmic and CFL:	typical 3 ... 50 W
Amplifiers:	see instructions for amplifier
<b>Connection</b>	
Connection mode:	screw terminals
single wire:	1 x 0.75 ... 2.5 mm <sup>2</sup>
	2 x 0.75 ... 1.5 mm <sup>2</sup>
stranded without ferrule:	1 x 1.0 ... 4.0 mm <sup>2</sup>
	2 x 1.0 ... 2.5 mm <sup>2</sup>
stranded with ferrule:	1 x 1.0 ... 2.5 mm <sup>2</sup>
	2 x 1.0 ... 1.0 mm <sup>2</sup>
<b>Number of satellite units</b>	
Satellite insert 2-wire 1720 NE:	unlimited
Satellite insert 3-wire 1723 NE:	10
Rotary satellite insert 3-wire 1733 DNE:	10
unlit installation buttons:	unlimited
Total length of extension unit cable:	max. 100 m
Total length power cable:	max. 100 m
Dimensions:	53 x 97 x 36 mm (W x H x D)





Ref.-no.

## Universal dimmer LED

Rail mounting device, 2 rail units

1-channel

UD 1755 REG

### Intended use

- Switching and dimming of lighting
- Mounting on DIN rail according to EN 60715 in distribution boxes
- Operation takes place using the buttons, 2- or 3-wire satellite insert, rotary satellite insert or push-button with make contact (NO)

### Product characteristics

- Device works according to the leading edge phase control or trailing edge phase control principle
- Automatic or manual setting of the dimming principle suitable for the load
- Display of the set operating mode by means of LED
- Switch-on via bulb-preserving soft start
- Switch-on with last brightness or saved switch-on brightness
- Switch-on brightness can be saved permanently
- Minimum brightness can be saved permanently
- Electronic short-circuit protection with permanent switch-off after 7 seconds at the latest
- Electronic over-temperature protection
- Power extension possible by means of power boosters (ref.-no. ULZ 1755 REG)
- Optional accessory: compensation module LED, ref.-no.: KM LED 230 U

### Technical data

Rated voltage:	AC 230 V ~
Mains frequency:	50/60 Hz
Stand-by power:	approx. 0.3 W
Power loss:	approx. 3.8 W
Ambient temperature:	-5 ... +45 °C
Connected load at 25 °C	
Incandescent lamps:	20 ... 420 W
HV halogen lamps:	20 ... 420 W
Electronic transformers:	20 ... 420 W
Electronic transformers with LV LED:	20 ... 100 W
Inductive transformers:	20 ... 420 VA
Inductive transformers with LV LED:	20 ... 100 VA
Dimmable HV LED lamps:	typical 3 ... 100 W
Dimmable compact fluorescent lamps:	typical 3 ... 100 W
Operating mode LED trailing edge phase control: Rated power for HV LED lamps, typ. 3 ... 400 W, electronic transformers with LV LED typ. 20 ... 200 W.	
Ohmic-capacitive:	20 ... 420 W
Capacitive-inductive:	not permitted
Ohmic-inductive:	20 ... 420 VA
Ohmic and HV LED:	typical 3 ... 100 W
Ohmic and CFL:	typical 3 ... 100 W
Amplifiers:	see instructions for amplifier
Connection:	screw terminals
single wire:	1 x 0.75 ... 4.0 mm <sup>2</sup> 2 x 0.75 ... 2.5 mm <sup>2</sup>
stranded without ferrule:	1 x 0.75 ... 4.0 mm <sup>2</sup> 2 x 0.75 ... 2.5 mm <sup>2</sup>
stranded with ferrule:	1 x 0.5 ... 2.5 mm <sup>2</sup>
Number of satellite units	
Satellite insert 2-wire 1720 NE:	unlimited
Satellite insert 3-wire 1723 NE:	10
Rotary satellite insert 3-wire 1733 DNE:	10
unlit installation buttons:	unlimited
Total length of extension unit cable:	max. 100 m
Total length power cable:	max. 100 m
Mounting width:	36 mm (2 rail units)



Ref.-no.

## Amplifier LED

Rail mounting device, 2 rail units

**ULZ 1755 REG**

### Intended use

- Power extension of the listed dimmers (ref.-no.: UD 1755 REG, 1730 DD, 1731 DD, 1710 DE, 1711 DE, 1712 DE, FM UD 20250 UP, FM UD 5500 REG, FM UD 420250 REG, 3901 REGHE, 3902 REGHE, 39004 1S R)
- Mounting on DIN rail according to EN 60715 in distribution boxes

### Product characteristics

- Connection of several amplifiers to a single dimmer
- The total power of the connected loads is divided between the dimmer and amplifiers
- Power is supplied to the connected loads via a common power cable
- Operation using upstream dimmer
- Electronic over-temperature protection
- Optional accessory: compensation module LED, ref.-no.: KM LED 230 U

### Technical data

Rated voltage:	AC 230 V ~
Mains frequency:	50/60 Hz
Stand-by power:	approx. 0.5 W
Power loss:	approx. 4.3 W
Ambient temperature:	-5 ... +45 °C
Connection:	screw terminals
single wire:	1 x 0.75 ... 4.0 mm <sup>2</sup>
stranded without ferrule:	2 x 0.75 ... 2.5 mm <sup>2</sup>
stranded with ferrule:	1 x 0.5 ... 2.5 mm <sup>2</sup>
Total length power cable:	max. 100 m
Mounting width:	36 mm (2 rail units)
Permissible load depends on dimmer, operation mode and type of load, see operating instructions	

## Compensation module LED

**KM LED 230 U**

### Intended use

- Use in combination with JUNG Tronic dimmers or universal dimmers in trailing edge phase control mode which are operated with dimmable HV LED lamps (ref.-no.: 1224 LED UDE, 1252 UDE, 1710 DE, 1711 DE, 1712 DE, 1724 DM, 1724 DEB, 1730 DD, 1731 DD, 211 GDE, 225 TDE, 254 UDIE1, 3901 REGHE, 3902 REGHE, 39004 1S REGHE, 824 TDW, FM UD 20250 UP, FM UD 420250 REG, FM UD 5500 REG, UD 1255 REG, UD 1755 REG, ULZ 1755 REG, UDS 4 REGHE)
- Use in combination with illuminated switches which are operated with dimmable HV LED lamps
- Use indoors
- Installation in lamp, flush box according to EN 60670-1 or distribution box

The module is used to:

- improve the dimming behaviour of dimmers which are not optimised for HV-LED lamps
- to avoid that HV LED lamps which are connected to a dimmer glow when switched off
- to avoid that HV LED lamps which are connected to a switch with illumination (up to 3 mA) glow when they are switched off

### Technical data

Rated voltage:	AC 230 V ~
Mains frequency:	50/60 Hz
Power loss:	max. 2 W
Housing temperature:	max. 65 °C
Cable length:	approx. 150 mm
Dimensions (W x H x D):	43 x 11.5 x 28.5 mm



# TRONIC transformers



Ref.-no.

## TRONIC transformer

**SNT 40**

### Technical data

Rated capacity:	10 ... 40 W
Rated voltage:	AC 230 V ~, 50/60 Hz
Output voltage:	11.7 V eff. ~ 50 kHz
Short-circuit protection:	electronic protection without fuse
Output cable length:	max. 2 m
Dimensions (W x H x D):	73 x 35.5 x 18 mm
Ambient temperature:	max. 50 °C
Housing temperature:	max. 85 °C
Length of connected cables:	approx. 210 mm
Approvals:	VDE



## TRONIC transformer

**SNT 70 Q**

### Technical data

Rated capacity:	20 ... 60 W T = 50 °C / 20 ... 70 W T = 40 °C
Rated voltage:	AC 230 V ~, 50/60 Hz
Output voltage:	11.7 V eff. ~ 40 kHz
Short-circuit protection:	electronic protection without fuse
Output cable length:	max. 2 m
Dimensions (W x H x D):	49 x 48 x 28 mm
Ambient temperature:	max. 50 °C (60 W)
Housing temperature:	max. 75 °C
Length of connected cables:	approx. 210 mm
Approvals:	VDE



## TRONIC transformer

**SNT 105 F**

### Technical data

Rated capacity:	20 ... 105 W
Rated voltage:	AC 230 V ~, 50/60 Hz
Output voltage:	11.8 V eff. ~ 40 kHz
Short-circuit protection:	electronic protection without fuse
Output cable length:	max. 2 m
Dimensions (W x H x D):	175 x 42 x 18 mm
Ambient temperature:	max. 50 °C
Housing temperature:	max. 80 °C
Terminals	
primary	screw terminals (2 pairs)
secondary	screw terminals (3 pairs)
Approvals:	VDE



## TRONIC transformer

**SNT 105-35**

### Technical data

Rated capacity:	35 ... 105 W
Rated voltage:	AC 230 V ~, 50 Hz
Output voltage:	11.7 V eff. ~ 40 kHz
Short-circuit protection:	electronic protection without fuse
Output cable length:	max. 2 m
Dimensions (W x H x D):	172.5 x 42 x 18 mm
Ambient temperature:	max. 50 °C
Housing temperature:	max. 75 °C
Terminals	
primary	screw terminals (2 pairs)
secondary	cable length approx. 210 mm
Approvals:	VDE



Ref.-no.

## TRONIC transformer

**SNT 150**

### Technical data

Rated capacity:	20 ... 150 W
Rated voltage:	AC 230 V ~, 50/60 Hz
Output voltage:	11.7 V eff. ~ 40 kHz
Short-circuit protection:	electronic protection without fuse
Output cable length:	max. 1 m
Dimensions (W x H x D):	176 x 42 x 38 mm
Ambient temperature:	max. 50 °C
Housing temperature:	max. 75 °C
Terminals	
primary	screw terminals (2 pairs)
secondary	screw terminals (3 pairs)
Approvals:	VDE



## TRONIC transformer

**SNT 200**

### Technical data

Rated capacity:	50 ... 210 W
Rated voltage:	AC 230 V ~, 50 Hz
Output voltage:	11.5 V eff. ~ 40 kHz
Short-circuit protection:	electronic protection without fuse
Output cable length:	max. 2 m
Dimensions (W x H x D):	212 x 48.5 x 46 mm
Ambient temperature:	max. 45 °C
Housing temperature:	max. 65 °C
Terminals	
primary	screw terminals (2 pairs)
secondary	screw terminals (2 pairs)
Approvals:	VDE



### Push-button controller, built-in

for dimming of fluorescent lamps controlled by electronic ballasts  
or electronic transformers with control voltage 1 – 10 V

**240-10 EB**

operation by push-buttons (NO contact), e.g. ref.-no. 531 U

### Intended use

- Switching and brightness setting of luminaires with 1 – 10 V interface
- Installation in false ceilings or surface mounting

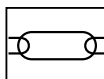
### Product characteristics

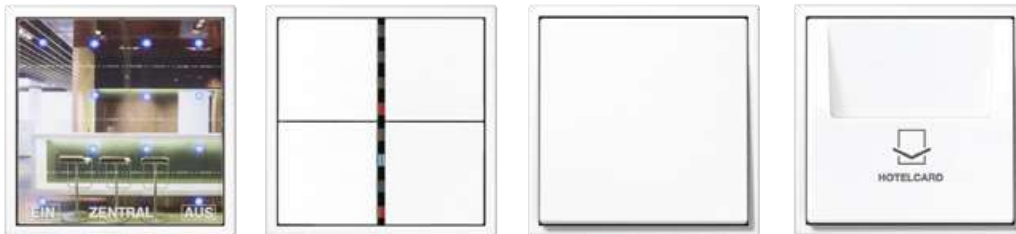
- The light bulb is switched on and off via the load cable and dimmed via the 1 – 10 V interface
- Operation via installation button, NO contact
- Can be switched to memory function with brightness memory
- The 1 – 10 V interface is short-circuit proof for the control current

### Technical data

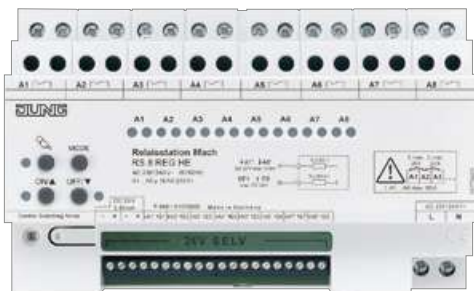
Rated voltage:	AC 230 V ~, 50 Hz
Switch contact:	relay, mains potential
Switching capacity	
Ohmic load:	2300 W
Electronic ballast, transformer:	depending on type
Control current of electronic ballast:	max. 200 mA
Short-circuit protection:	line circuit breaker, max. 10 A
Electrical isolation:	2 kV basic insulation
Ambient temperature:	max. 50 °C

No-load protection:	yes
Connection mode:	screw terminals
single wire:	max. 4 mm <sup>2</sup>
stranded without ferrule:	max. 2.5 mm <sup>2</sup>
stranded with ferrule:	max. 1.5 mm <sup>2</sup>
Dimensions (W x H x D):	175 x 42 x 18 mm



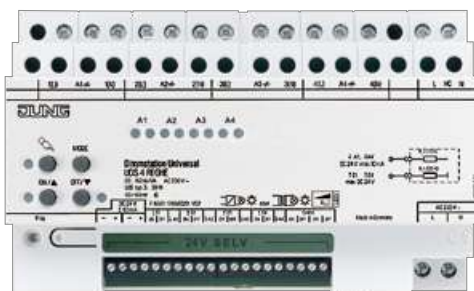


Sensor modules, push-button sensors, push-buttons (normally open contacts) or key card holders can be connected as control elements. Several functions can be conveniently controlled with only one device.



### RELAY STATION 8-GANG UNIVERSAL

The relay station has eight floating contacts for switching, sensing and moving blinds / shutters. The functions are possible in mixed operation. The lighting and automatic shading control can be centrally controlled with the central function. Connection in parallel of two relay stations or of a relay station with a dimming station is possible.



### UNIVERSAL DIMMING STATION



The dimming station has four channels for dimming and switching of lighting. It provides all features of a JUNG dimmer. The fade-out function can be used when switching off. Connection in parallel of two dimming stations or of a dimming station with a relay station is possible.

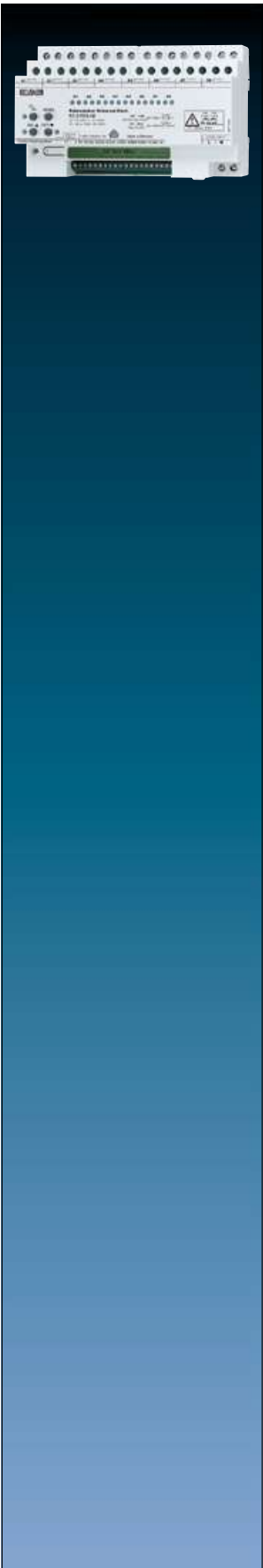
# JUNG Bus



**SENSOR MODULE**

The JUNG bus is the installation solution using 24 volt technology, suitable for everything from a private apartment to a hotel. A crucial aspect is simple installation and use. The system requires only a few devices and little wiring.

# Relay station



Ref.-no.

## Relay station universal, 8-gang

Rail mounting device, 8 rail units  
with manual electronic operation and LED status indication  
8 NO contacts

RS 8 REGHE

### Intended use

- Switching of lighting
- Switching of single-phase fan motors
- Switching of electrically-driven blinds, shutters, awnings and similar hangings
- Mounting on DIN rail in distribution boxes
- Operation by means of sensor modules, push-button modules, or unlit installation buttons

### Product characteristics

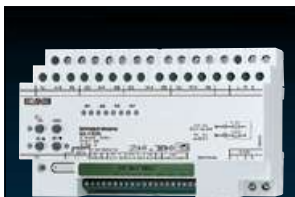
- Local control. The relay station can be controlled using the keypad when the control units are not connected.
- Activation of status LEDs on the control units. The relay station has the activation outputs A1'...A8' for this purpose.
- Switching operation
- Push-button operation
- Blind operation with slat adjustment
- Mixed operation of switching, push-button and blind control is possible.
- Central switching function All On, All Off
- Parallel switching of two relay stations possible



## Technical data

Rated voltage:	AC 230/240 V ~, 50/60 Hz
Power loss:	12.5 W
Stand-by power:	0.5 W
Length of control cable:	max. 100 m
Number of control units	
Sensor module (ref.-no. SM 1608):	max. 4 (also when relay/dimming stations are connected in parallel)
Push-button module 24 V AC/DC (NO contact):	depending on push-button module, consider current consumption
Push-button module (ref.-no. 4008 TSM):	max. 4 (also when relay/dimming stations are connected in parallel)
Control units	
Voltage:	DC 24 V SELV
Current carrying capacity:	Σ 80 mA
Switching inputs E1 ... E8	
Resistance Ri:	200 kΩ
Control voltage:	DC 24 V SELV
Activation outputs A1' ... A8'	
Resistance Ra:	330 Ω
Control voltage:	DC 24 V SELV
Current carrying capacity:	10 mA
Connection, mains and load outputs	
Connection mode:	screw terminals
single wire:	1 x 1.5 ... 4 mm <sup>2</sup>
stranded without ferrule:	1 x 0.75 ... 4 mm <sup>2</sup>
stranded with ferrule:	1 x 0.5 ... 2.5 mm <sup>2</sup>
Connection of switching inputs, activation outputs and control units	
Connection mode:	screw terminals
single wire:	1.5 mm <sup>2</sup>
stranded without ferrule:	1 mm <sup>2</sup>
stranded with ferrule:	0.75 mm <sup>2</sup>
Load outputs A1 ... A8	
Contact type:	floating NO contact (μ contact)
Breaking capacity per load output:	AC 250 V ~ / 16 AX
Switching current, load outputs:	Σ 80 A
Switching current neighbouring load outputs:	Σ 20 A
Loads per output	
Ohmic load:	3000 W
Capacitive load:	16 A / max. 140 μF
Blind / Fan motors:	1380 VA
Switch-on current:	max. 800 A (200 μs) max. 165 A (20 ms)
Lamp loads	
Incandescent lamps:	3000 W
HV halogen lamps:	2500 W
LV halogen lamps with	
electronic transformers:	1500 W
inductive transformers:	1200 VA
Fluorescent lamps	
non-compensated:	1000 W
parallel compensated:	1160 W / 140 μF
lead-lag circuit:	2300 W / 140 μF
Electronic ballast:	depending on type
Minimum load:	AC 12 V, 100 mA
Ambient temperature:	-5 ... +45 °C
Storing temperature:	-25 ... +70 °C
Mounting width:	144 mm (8 rail units)
Change-over time for direction change:	1 s
Switch-on time, blinds operation:	2 min

# Dimming station



Ref.-no.

## LED universal dimming station 4-gang

Rail mounting device, 8 rail units

**UDS 4 REGHE**

### Intended use

- Switching and dimming of incandescent lamps, HV halogen lamps, dimmable HV LED lamps, dimmable compact fluorescent lamps, dimmable inductive transformers with LV halogen or LV LED lamps, dimmable electronic transformers with LV halogen or LV LED lamps
- Suitable for mixed load up to the specified output
- Operation by means of push-button sensors, sensor modules, push-button modules or unlit installation buttons
- Operation by means of push-button sensors, sensor modules, push-button modules or unlit installation buttons
- Installation in distribution boxes on DIN rail according to EN 60715
- It is not possible to operate the device with universal amplifiers in conjunction with electronic transformers! Please use TRONIC amplifiers for power extension when operating electronic transformers.

### Product characteristics

- The dimming station can be controlled using the keypad.
- Activation of status LEDs on the control units. The dimming station has the activation outputs A1'...A4' for this purpose.
- Electronic short-circuit protection with permanent switch-off after 7 seconds at the latest
- Electronic over-temperature protection
- Integrated memory function for each channel (storing of brightness value)
- Switch-on brightness can be saved permanently
- Switch-on via bulb-preserving soft start
- Switching off with dim-down function
- Increase in output power possible through parallel switching of multiple outputs
- Power extension possible by means of power boosters (ref.-no. ULZ 1755 REG)
- Special connection for hotel card switch
- Central switching function All On, All Off
- Parallel connection of two dimming stations or one dimming and one relay station possible
- Automatic setting of the dimming principle suitable for the load
- Optional accessory: compensation module LED, ref.-no.: KM LED 230 U

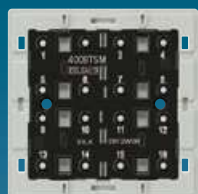
### Function hotel card switch

In combination with a hotel card switch (ref.-no.: .. CARD ..): When plugging in the hotel card the light will be switched on with the stored brightness level. After removing the hotel card the light remains on and can be controlled for 1 more minute. After the elapsed time the light dims down (within an adjustable time of 30 seconds to 3 minutes) to minimum brightness and then switches off. The dimming station can be controlled again after plugging in the hotel card.

## Technical data

Rated voltage:	AC 230/240 V ~, 50/60 Hz
Power loss:	max. 20 W
Stand-by power:	max. 2 W
Terminals -, +	
Control voltage:	DC 24 V SELV
Current carrying capacity:	Σ 80 mA
Length of control cable:	max. 100 m
Number of control units	
Sensor module (ref.-no. SM 1608):	max. 4 (also when relay/dimming stations are connected in parallel)
Push-button module (ref.-no. 4008 TSM):	max. 4 (also when relay/dimming stations are connected in parallel)
Push-button module 24 V AC/DC (NO contact):	depending on push-button module, consider current consumption
Switching inputs E1ON/OFF ... E4ON/OFF	
Control voltage:	DC 24 V SELV
Resistance Ri:	200 kΩ
Activation outputs A1' ... A4'	
Control voltage:	DC 24 V SELV
Current carrying capacity:	10 mA
Resistance Ra:	330 Ω
Mains / load outputs / key card switch	
Connection mode:	screw terminals
single wire:	1 x 1.5 ... 4 mm <sup>2</sup>
stranded without ferrule:	1 x 0.75 ... 4 mm <sup>2</sup>
stranded with ferrule:	1 x 0.5 ... 2.5 mm <sup>2</sup>
Connection of switching inputs, activation outputs and control units	
Connection mode:	screw terminals
single wire:	1.5 mm <sup>2</sup>
stranded without ferrule:	1 mm <sup>2</sup>
stranded with ferrule:	0.75 mm <sup>2</sup>
Load outputs A1 ... A4	
Contact type:	ε
Length of output cable, per channel:	max. 100 m
Connected load per channel	
Incandescent lamps:	20 ... 150 W
HV halogen lamps:	20 ... 150 W
Electronic transformers:	20 ... 150 W
Inductive transformers:	20 ... 150 VA
Dimmable HV LED lamps:	typical 3 ... 30 W
Dimmable compact fluorescent lamps:	typical 3 ... 30 W
Ohmic-capacitive:	20 ... 150 W
Ohmic-inductive:	20 ... 150 VA
Capacitive-inductive:	not permitted
Reduction of load for every 5 °C exceeding 45 °C:	-15 %
Max. load for outputs connected in parallel is limited to 80 %.	
Mounting width:	144 mm (8 rail units)





Ref.-no.

## Sensor module (JUNG bus)

for the connection of relay station (ref.-no. RS 8 REGHE) and dimming station (ref.-no. UDS 4 REGHE)  
Only in combination with frames of the LS range and FLAT DESIGN.

**SM 1608**

### Features

- Up to 16 load outputs of the relay or dimming station can be controlled
- Switching, push-button, dimming, blind
- Light scenes: up to 4 light scenes per control point can be freely configured
- Central function: all assigned load outputs are switched on/off centrally
- Free assignment of the sensor surfaces to the load outputs, central functions and light scenes
- Settings can be changed
- LEDs can be used as feedback and as orientation light
- Feedback of switching states on all connected sensor modules
- LED brightness adjustable in 3 stages (100 %, 50 %, OFF)
- Up to 4 sensor modules can be connected to a single relay/dimming station, even with stations connected in parallel
- Cloning: transfer of a set assignment to another sensor module
- If mains power fails, assignments are retained
- Simple installation via 2-wire cable
- Labelling possible with JUNG Graphic Tool

### Technical data

Power supply:	DC 24 V SELV (via relay or dimming station)
Current consumption:	max. 20 mA (all LEDs on)
Connection:	bus connection block
Inscription field (W x H):	68.5 x 68.5 mm
Ambient temperature:	+5 ... +45 °C
Storing temperature:	-25 ... +75 °C

## Push-button module (JUNG bus)

for the connection of relay station (ref.-no. RS 8 REGHE) and dimming station (ref.-no. UDS 4 REGHE)  
Adapter frames are included in delivery:  
ref.-no. LS 4 AR for LS range (pre-mounted) and ref.-no. CD 4 AR for CD range.  
AS / A ranges without adapter frame.

**4008 TSM**

### Product characteristics

- 8 channels of the relay station can be controlled: switching, push-button control, blind control
- 16 channels of 2 parallel-wired relay stations can be controlled in combination with push-button extension module ref.-no.: 4094 TSEM
- All station channels are switchable in delivery state
- Central function: all selected station channels are controlled centrally
- Light scenes: up to four light scenes can be set freely
- Push-buttons can be assigned according to cover kit
- Programming without additional tools
- Free assignment of the groups to the channels
- Red LED as status indicator (can be switched off)
- Blue operation LED (can be switched off)
- Status feedback of the switching states to connected push-button modules and sensor modules
- Up to 4 push-button modules with max. 4 extension modules can be connected to single or parallel connected relay/dimming stations
- Cloning of modules: transfer the assignment of one module to further modules
- Cloning of push-button modules with extension module is possible
- Simple installation via 2-wire cable

### Technical data

Power supply:	DC 24 V SELV (via relay or dimming station)
Current consumption:	max. 20 mA (all LEDs on)
Connection mode:	connection terminal
Ambient temperature:	+5 ... +25 °C
Storing temperature:	-25 ... +75 °C

Ref.-no.

## Push-button extension module

for the extension of up to 8 additional push-buttons for the push-button module ref.-no. 4008 TSM

preferred installation: vertical

Adapter frames are included in delivery:

ref.-no. LS 4 AR for LS range (pre-mounted) and ref.-no. CD 4 AR for CD range.

AS / A ranges without adapter frame.

8 red LED: status indication

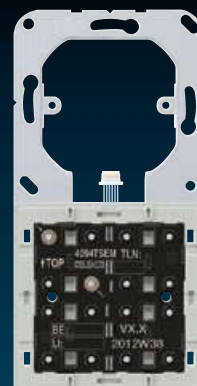
4-gang

**4094 TSEM**

**Cover kits for AS and A ranges** see page 671

**Cover kits for CD range** see page 672

**Cover kits for LS range** see page 673



# Multiwire system



Ref.-no.

**F 50 Push-button modules** for connection to relay station ref.-no. RS 8 REGHE, dimming station ref.-no. UDS 4 REGHE or other control systems with control voltage of max. 24 V AC/DC (SELV), 20 mA. The module is connected by means of a connection block at the back.

- To be completed with cover kit
- One red status LED per button

In combination with the PHC system of the company PEHA the proper functioning of the status LED cannot be guaranteed. Please contact our technical service line.

## **Push-button module 24 V AC/DC, 20 mA for AS and A ranges**

including transparent cover ref.-no.: A 50 NA

1-gang	1-channel	2 contacts	<b>A 5212 TSM</b>
2-gang	2-channel	4 contacts	<b>A 5224 TSM</b>
3-gang	3-channel	6 contacts	<b>A 5236 TSM</b>
4-gang	4-channel	8 contacts	<b>A 5248 TSM</b>

**Cover kits for AS and A ranges** see page 662

## **Push-button module 24 V AC/DC, 20 mA for CD range**

including transparent cover ref.-no.: CD 50 NA

1-gang	1-channel	2 contacts	<b>CD 5212 TSM</b>
2-gang	2-channel	4 contacts	<b>CD 5224 TSM</b>
3-gang	3-channel	6 contacts	<b>CD 5236 TSM</b>
4-gang	4-channel	8 contacts	<b>CD 5248 TSM</b>

**Cover kits for CD range** see page 665

## **Push-button module 24 V AC/DC, 20 mA for LS range**

including transparent cover ref.-no.: LS 50 NA

1-gang	1-channel	2 contacts	<b>LS 5212 TSM</b>
2-gang	2-channel	4 contacts	<b>LS 5224 TSM</b>
3-gang	3-channel	6 contacts	<b>LS 5236 TSM</b>
4-gang	4-channel	8 contacts	<b>LS 5248 TSM</b>

**Cover kits for LS range** see page 668

Ref.-no.

**F 40 Push-button modules** for connection to relay station ref.-no. RS 8 REGHE, dimming station ref.-no. UDS 4 REGHE or other control systems with control voltage of max. 24 V AC/DC (SELV), 20 mA. The module is connected by means of a connection block at the back. To each push-button two red LEDs are assigned for status indication.

In combination with the PHC system of the company PEHA the proper functioning of the status LED cannot be guaranteed. Please contact our technical service line.

## Push-button module 24 V AC/DC, 20 mA

Adapter frames are included in delivery:

ref.-no. LS 4 AR for LS range (pre-mounted) and ref.-no. CD 4 AR for CD range.

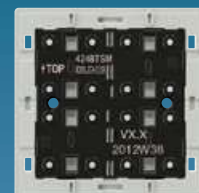
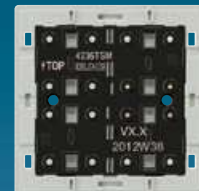
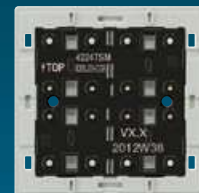
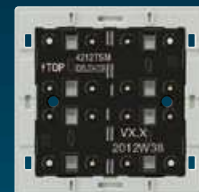
AS / A ranges without adapter frame.

1-gang	1-channel	2 contacts	<b>4212 TSM</b>
2-gang	2-channel	4 contacts	<b>4224 TSM</b>
3-gang	3-channel	6 contacts	<b>4236 TSM</b>
4-gang	4-channel	8 contacts	<b>4248 TSM</b>

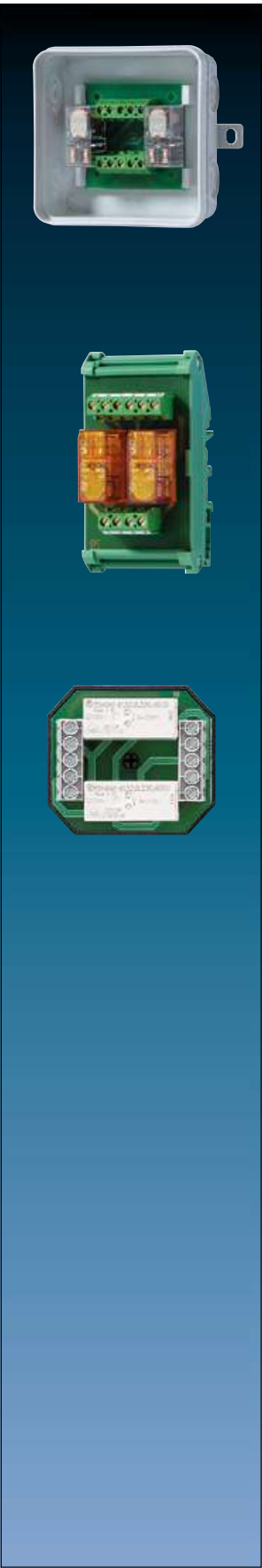
**Cover kits for AS and A ranges** see page 671

**Cover kits for CD range** see page 672

**Cover kits for LS range** see page 673



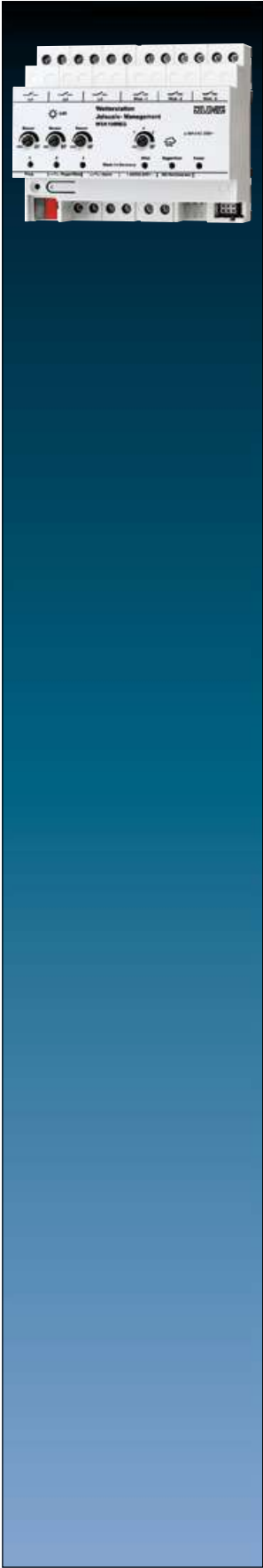
# Decoupling relays



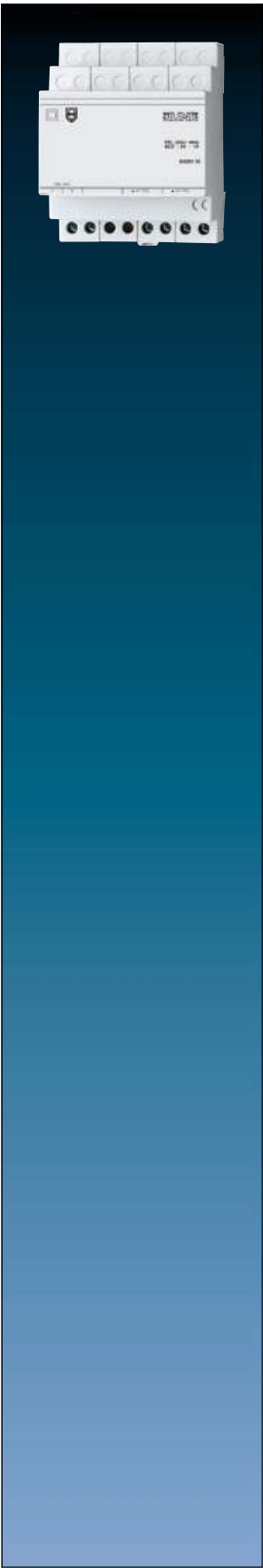
Ref.-no.	
<b>Decoupling relay</b>	
<b>TR-S</b>	
For blinds control if more than one motor should be connected to a mechanical switch/push-button or a motor control insert. The relay is designed for two drives.	
<b>Technical data</b>	
Rated voltage:	AC 230 V ~, 50 Hz
Control:	AC 230 V ~, 50 Hz
Switching capacity:	4 A, AC 230 V ~ $\cos \varphi \geq 0.8$ ind.
Duty cycle:	100 %
<b>Decoupling relay for rail mounting</b>	
Rail mounting device, 2.5 rail units	
<b>TR-S REG</b>	
For blinds control if more than one motor should be connected to a mechanical switch/push-button or a motor control insert. The relay is designed for two drives.	
<b>Technical data</b>	
Rated voltage:	AC 230 V ~, 50 Hz
Control:	AC 230 V ~, 50 Hz
Switching capacity:	4 A, AC 230 V ~ $\cos \varphi \geq 0.8$ ind.
Duty cycle:	100 %
<b>Decoupling relay, flush-mounted</b>	
<b>TR-SUP</b>	
For blinds control if more than one motor should be connected to a mechanical switch/push-button or a motor control insert. The relay is designed for two drives. Decoupling relay for flush-mounting in wall box (deep wall box recommended).	
<b>Technical data</b>	
Rated voltage:	AC 230 V ~, 50 Hz
Control:	AC 230 V ~, 50 Hz
Switching capacity:	4 A, AC 230 V ~ $\cos \varphi \geq 0.8$ ind.
Duty cycle:	100 %



Ref.-no.	
<b>Weather station</b>	
Rail mounting device, 6 rail units	
<b>WSK 100 REG</b>	
<p>In connection with the digital combi sensor WS10 KS and the power supply unit WSSV10, the weather station WSK100 REG measures brightness, wind intensity and rain. Based on brightness and wind intensity, the station controls a connected shutter control system independently for the east, south and west sides of a house. When the combi sensor detects rain, the windows or skylights can be closed automatically.</p>	
<b>Features</b>	
<ul style="list-style-type: none"><li>• Independent outputs for the shutters of the east, south and west facade of a house</li><li>• Separately adjustable shading function for the east, south and west facade</li><li>• Presettable common limit value for the wind alarm for the three house facades</li><li>• Precipitation detect function with switched output, e.g. for the control of skylights</li><li>• Standard shutter moving time of 2.5 minutes in sun protection mode can be shortened independently for each facade</li><li>• Monitoring of combination sensor connection cable with alarm function and message display</li></ul>	
<p>The weather station has to be supplied with the external power supply WSSV 10.</p>	
<b>Technical data</b>	
Power supply	
Supply voltage:	AC 24 V ~ ± 15 %
Current consumption:	max. 300 mA
Ambient temperature:	-5 ... +45 °C
Storage/transport temperature:	-25 ... +70 °C
Humidity	
Ambient/storage/transport:	max. 93 % r. h., no condensation
Mounting width:	108 mm (6 rail units)
Terminals	
Inputs, power supply:	screw terminals
single wire:	1 x 0.5 ... 4 mm <sup>2</sup>
stranded without ferrule:	1 x 0.34 ... 4 mm <sup>2</sup>
stranded with ferrule:	1 x 0.14 ... 2.5 mm <sup>2</sup>
Combi sensor WS 10 KS:	4-pole WAGO terminal Type 252-104
Outputs:	relay (NO contacts)
	8 x 250 V / 8 A
Precipitation:	yes / no
Potentiometer "sensor":	approx. 0 ... 76 klx
Hysteresis:	± 5 %
Potentiometer "wind":	1 ... 20 m/s, OFF
Position 1:	approx. 5 m/s
Position 2:	approx. 10 m/s
Position 3:	approx. 15 m/s
Hysteresis:	± 5 %



# Weather station



Ref.-no.

## Power supply AC 24 V ~

for weather station ref.-no.: WSK 100 REG  
and for Combi sensor ref.-no.: WS 10 KS  
Rail mounting device, 4 rail units

**WSSV 10**

## Intended use

- Supplying devices with 24 V AC
- Mounting on DIN rail according to EN 60715 in distribution boxes

## Product characteristics

- Two internally connected 24 V outputs
- Overload and short-circuit protection via thermo switch

## Technical data

Rated voltage:	AC 230 V ~, 50/60 Hz
Output current:	max. 1 A
Output voltage:	AC 24 V ~
Storage/transport temperature:	-25 ... +70 °C
Ambient temperature:	-5 ... +40 °C
Relative humidity:	max. 93 % r. h., no condensation
Mounting width:	72 mm (4 rail units)
Connection:	screw terminals
single wire:	1 x 0.5 ... 4 mm <sup>2</sup>
stranded with ferrule:	1 x 0.14 ... 2.5 mm <sup>2</sup>
stranded without ferrule:	1 x 0.34 ... 4 mm <sup>2</sup>

Ref.-no.

## Combi sensor

### WS 10 KS

The combi sensor serves for the measurement of the wind speed, brightness dawn and rain.

The brightness can be measured for three directions, south, east and west, separately.

It will be connected directly to the weather station which evaluates the measured data.

**The combi sensor needs 24 V AC for operation. The necessary power can be supplied by the power supply unit ref.-no.: WSSV 10.**

## Technical data

### Power supply

Sensor unit (incl. heating): AC 24 V ~ ± 15 %, 50/60 Hz

Max. power consumption: 600 mA

### Connection

Connection cable: LiYCY, 6 x 0.25 mm<sup>2</sup>, shielded

Length: 10 m, max. 50 m

### Ambient conditions

Ambient temperature: -40 ... +60 °C (ice free)

Storage/transport temperature: -40 ... +60 °C

Humidity: outside the building

### Housing

Protection level: IP 55 in position for use acc. to EN 60529

Protection class: III

Dimensions (Ø x H): 130 x ca. 200 mm (without mounting bracket)

Mounting: mounting bracket for wall or mast

Weight: approx. 330 g (without mounting bracket)

### Sensor signals:

#### Wind sensor

Measuring range: approx. 1 ... 40 m/s

Accuracy: ≤ 0.5 m/s, -20 ... +60 °C

#### Precipitation sensor

Measuring range: precipitation yes / no

Sensitivity: fine drizzle

Switch-on delay: approx. 3 rain particles

Switch-off delay: approx. 2 min

#### Brightness sensor

Measuring range: approx. 1 ... 110 klx

Spectral range: approx. 700 ... 1050 nm

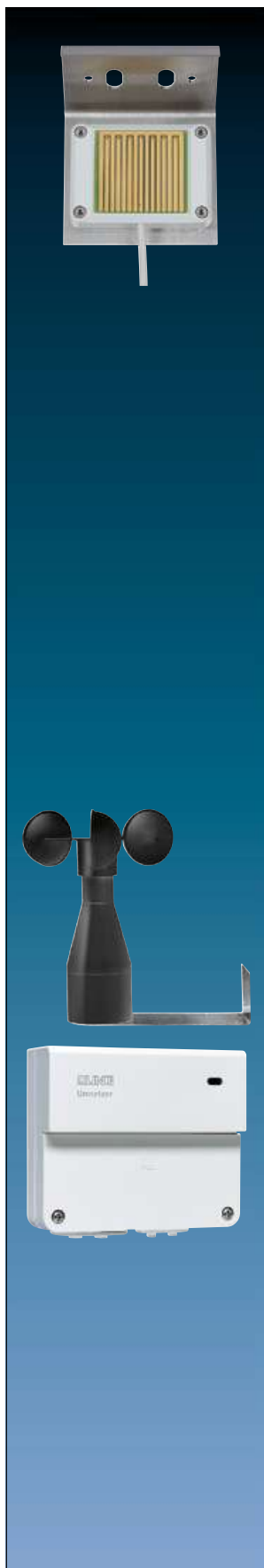
Direction: east, south, west

#### Dawn sensor

Measuring range: approx. 0 ... 674 lx



# Weather station



Ref.-no.

## Rain sensor

**RW 95**

### Intended use

- Sensor for detection and evaluation of precipitation
- In connection with blind/shutter controllers, enables, e.g. the retraction of awnings when it begins to rain.
- Surface-mounted devices for outdoor installation

### Product characteristics

- Serpentine-shaped sensor surface detects wetting due to precipitation.
- Change-over relay remains switched on until the sensor is dry again. For at least 10 minutes.
- Integrated heater speeds up the drying of the sensor surface and melts snow and ice.

### Technical data

Rated voltage:	AC 230 V ~, 50/60 Hz
Current consumption:	15 mA (with preheating)
Power consumption:	max. 4.5 W (incl. auxiliary heating)
Switch-off delay:	approx. 10 min
Relay output	
dry:	contact open
rain:	contact closed
Relay switching capacity:	max. 1500 W (resistive load)
Relay contact rating:	(μ) 6 A / AC 250 V ~
Ambient temperature:	-30 ... +50 °C
Protection class:	II
Protection level:	IP 65
Connection cable:	flexible PVC cord, 2.9 m, JZ-600, 3 x 0.75 mm <sup>2</sup> 2.9 m, JZ-600, 2 x 0.75 mm <sup>2</sup>
Dimensions:	130 x 90 x 90 mm (incl. fitting bracket)
Weight:	approx. 600 g (incl. fitting bracket)
Mounting position:	fixed by 110° fitting bracket

## Wind sensor with converter

**132 U WS**

### Intended use

- The converter and wind sensor are used to protect a blind/shutter against destruction due to excessively strong winds. The blind/shutter is moved to a safe end position and locked there until the wind drops below the set wind speed value.
- The converter is operated together with a Universal blinds insert (ref.-no. 1731 JE) or binary inputs of the KNX system.
- Surface-mounted devices for outdoor installation

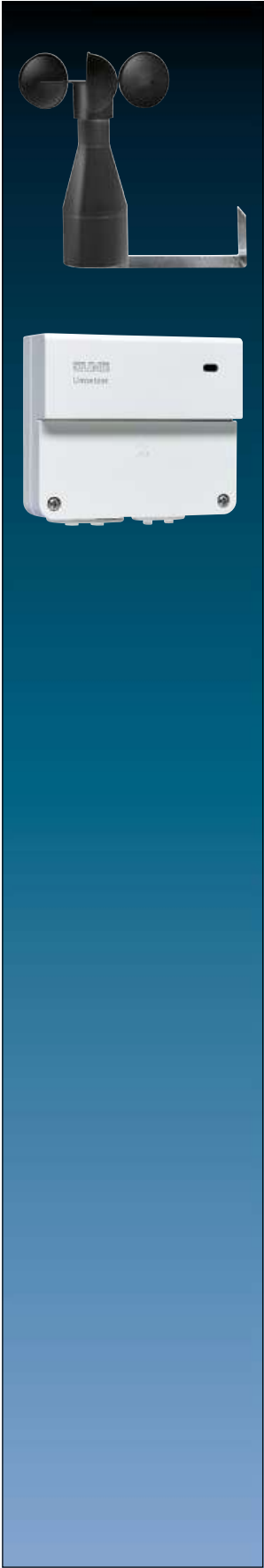
### Product characteristics

- Detection and evaluation of wind speeds
- 8 wind speeds can be set
- The wind alarm is triggered 15 seconds after the set wind speed threshold value is exceeded
- Test operation for functional test
- Colour of wind sensor: black (similar RAL 9005)

### Technical data

Rated voltage:	AC 230 V ~, 50 Hz
Protection level:	IP 55
Protection class:	II
Switching current:	max. 2 A
Contact type:	floating NO contact (μ contact)
Connection:	screw terminals
single wire:	max. 4 mm <sup>2</sup>
stranded without ferrule:	max. 2.5 mm <sup>2</sup>
stranded with ferrule:	max. 1.5 mm <sup>2</sup>
Switch-on delay:	approx. 15 s
Switch-off delay:	approx. 15 min

Ref.-no.																							
<b>Wind sensor</b> (Spare part) for connection to converter ref.-no.: AT 04.. black similar RAL 9005																							
<b>132 WS</b>																							
Use shielded cable (J-Y(St)Y 2x2x0.6mm <sup>2</sup> is recommended) to connect the wind sensor.																							
<b>Converter</b> (Spare part) for connection of wind sensor ref.-no.: 132 WS																							
<b>132 U</b>																							
<b>Intended use</b> <ul style="list-style-type: none"><li>• The converter and wind sensor are used to protect a blind/shutter against destruction due to excessively strong winds. The blind/shutter is moved to a safe end position and locked there until the wind drops below the set wind speed value.</li><li>• The converter is operated together with a Universal blinds insert (ref.-no. 1731 JE) or binary inputs of the KNX system.</li><li>• Surface-mounted devices for outdoor installation</li></ul>																							
<b>Product characteristics</b> <ul style="list-style-type: none"><li>• Detection and evaluation of wind speeds</li><li>• 8 wind speeds can be set</li><li>• The wind alarm is triggered 15 seconds after the set wind speed threshold value is exceeded</li><li>• Test operation for functional test</li><li>• Colour of wind sensor: black (similar RAL 9005)</li></ul>																							
<b>Technical data</b> <table><tr><td>Rated voltage:</td><td>AC 230 V ~, 50 Hz</td></tr><tr><td>Protection level:</td><td>IP 55</td></tr><tr><td>Protection class:</td><td>II</td></tr><tr><td>Switching current:</td><td>max. 2 A</td></tr><tr><td>Contact type:</td><td>floating NO contact (μ contact)</td></tr><tr><td>Connection:</td><td>screw terminals</td></tr><tr><td>    single wire:</td><td>max. 4 mm<sup>2</sup></td></tr><tr><td>    stranded without ferrule:</td><td>max. 2.5 mm<sup>2</sup></td></tr><tr><td>    stranded with ferrule:</td><td>max. 1.5 mm<sup>2</sup></td></tr><tr><td>Switch-on delay:</td><td>approx. 15 s</td></tr><tr><td>Switch-off delay:</td><td>approx. 15 min</td></tr></table>		Rated voltage:	AC 230 V ~, 50 Hz	Protection level:	IP 55	Protection class:	II	Switching current:	max. 2 A	Contact type:	floating NO contact (μ contact)	Connection:	screw terminals	single wire:	max. 4 mm <sup>2</sup>	stranded without ferrule:	max. 2.5 mm <sup>2</sup>	stranded with ferrule:	max. 1.5 mm <sup>2</sup>	Switch-on delay:	approx. 15 s	Switch-off delay:	approx. 15 min
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Contact type:	floating NO contact (μ contact)																						
Connection:	screw terminals																						
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stranded with ferrule:	max. 1.5 mm <sup>2</sup>																						
Switch-on delay:	approx. 15 s																						
Switch-off delay:	approx. 15 min																						



# Awning control



Ref.-no.

## Awning control, AeroTec 04

### Thermoplastic (breakproof) high-gloss

white

**AT 04 WW**

The AeroTec timer may be used to operate sun protection systems **only**.

The AeroTec timer is pre-programmed ex works with current date and time (CET) settings and operates sun protection systems on the basis of sunlight intensity and wind speed.

The AeroTec timer can be operated manually at any time. The device runs on battery power, meaning it can even be programmed if the operating device has been removed, as the display does not disappear.

- Controller for awnings
- 15 languages (Display)
- Ex works pre-programmed
- Sensors can be connected
- Manual control always possible
- Additional switching time
- Adjustable inside position
- Cloth stretching function

### Technical data

Rated voltage: AC 230/240 V ~, 50/60 Hz

Switching current: 5 A / 250 V AC  $\cos \varphi = 1$

Switching capacity: max. 1 motor 1000 W

Battery type: 1 button cell CR 2032 (included)

When cell is replaced, values previously set will be preserved.

Output: 2 relays, floating contacts (NO contacts)

Input: Brightness sensor (ref.-no.: LA 90)

Sunlight / wind sensor (ref.-no.: AR 04)

Wind sensor (ref.-no.: VT 04)

Rain sensor (ref.-no.: RW 95)

Connection: screw terminals

Terminals for: 2.5 mm<sup>2</sup>

Always use shielded control wire ... 0.8 mm Ø or J-ST-Y ... 0.6 mm Ø

### Intermediate frame to install "AeroTec 04"

#### in AS and A ranges

white

**A AT 581 Z WW**

#### Frames

AS 500 (ref.-no.: AS 581.. – AS 585..)

A 550 (ref.-no.: A 5581.. – A 5585..)

A FLOW (ref.-no.: AF 581.. – AF 585..)

A CREATION (ref.-no.: AC 581.. – AC 585..)

surface cap (ref.-no.: AS 581 A.. – AS 583 A..)

### Intermediate frame to install "AeroTec 04"

#### in CD range

white

**CD AT 581 Z WW**

#### Frames

CD 500 (ref.-no.: CD 581.. – CD 585..)

CD PLUS (ref.-no.: CDP 581.. – CDP 585..)

surface cap (ref.-no.: CD 581 A.. – CD 583 A..)

Ref.-no.

The wind sensor should be fitted to the roof or house wall.  
It must be installed at a position suitable for wind intensity measurements.  
Do not install at the side sheltered from the wind.

## Sunlight / wind sensor

for connection to awning control "AeroTec 04", ref.-no.: AT 04 WW

**AR 04**

Ensure that no shadows (e.g. from a mast, tower, etc.) and no light reflections fall on the brightness sensor.

## Technical data

Protection level: IP 43

## Rain sensor

**RW 95**

## Intended use

- Sensor for detection and evaluation of precipitation
- In connection with blind/shutter controllers, enables, e.g. the retraction of awnings when it begins to rain.
- Surface-mounted devices for outdoor installation

## Product characteristics

- Serpentine-shaped sensor surface detects wetting due to precipitation.
- Change-over relay remains switched on until the sensor is dry again. For at least 10 minutes.
- Integrated heater speeds up the drying of the sensor surface and melts snow and ice.

## Technical data

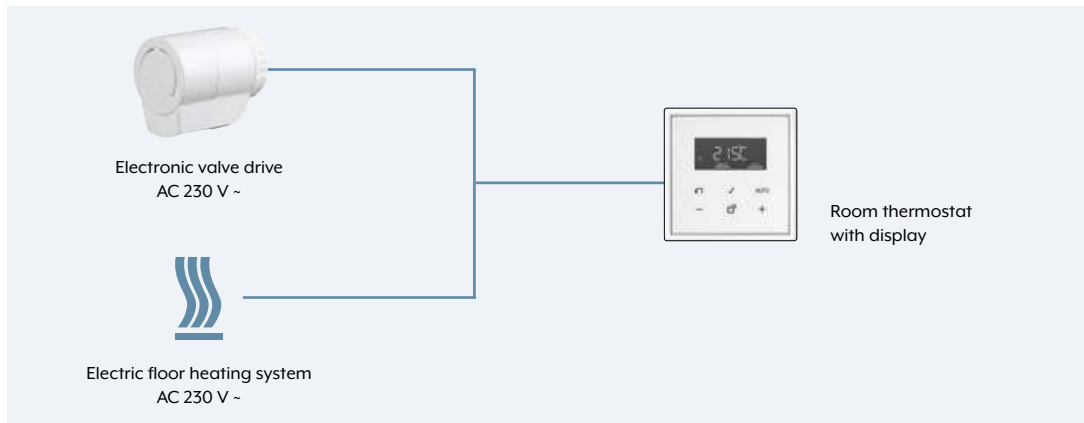
Rated voltage:	AC 230 V ~, 50/60 Hz
Current consumption:	15 mA (with preheating)
Power consumption:	max. 4.5 W (incl. auxiliary heating)
Switch-off delay:	approx. 10 min
Relay output	
dry:	contact open
rain:	contact closed
Relay switching capacity:	max. 1500 W (resistive load)
Relay contact rating:	(μ) 6 A / AC 250 V ~
Ambient temperature:	-30 ... +50 °C
Protection class:	II
Protection level:	IP 65
Connection cable:	flexible PVC cord, 2.9 m, JZ-600, 3 x 0.75 mm <sup>2</sup> 2.9 m, JZ-600, 2 x 0.75 mm <sup>2</sup>
Dimensions:	130 x 90 x 90 mm (incl. fitting bracket)
Weight:	approx. 600 g (incl. fitting bracket)
Mounting position:	fixed by 110° fitting bracket

## Brightness sensor

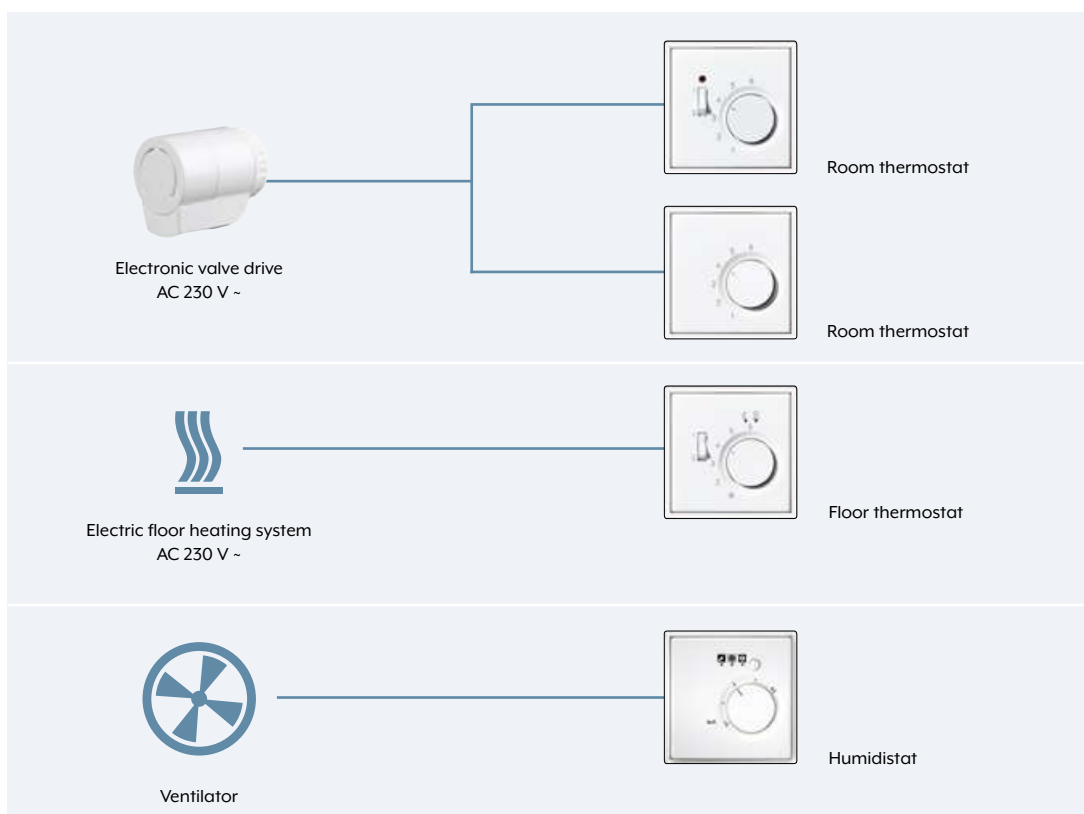
for connection to awning control "AeroTec 04", ref.-no.: AT 04 WW

**LA 90**





The temperature management includes controllers with normally closed and changeover contacts and floor thermostats.



The room thermostat with display and clock for time-controlled individual room temperature: Individual switching times as well as different temperature levels can be set. The self-explanatory user guidance and the display with plain text are particularly user-friendly. Summer and winter time are

automatically changed over; the preset time programs can be individually adjusted. A remote sensor can be optionally connected. The version without clock basically has the same functions, but without time programming, holiday programs etc.



# Temperature Management



**ROOM THERMOSTAT WITH DISPLAY STANDARD**

The room thermostat with display standard controls both water-based and electric underfloor heating systems and radiators. In combination with a modern heat pump system, it also enables room cooling. It consists of the flush-mounted room thermostat insert with sensor connection and the Standard display cover for room temperature control.

# Temperature Management



Ref.-no.

## Room thermostat insert

with sensor connection  
for displays ref.-no.: .. 1790 D ..

**1790 RTR**

### Intended use

- Switching of electric underfloor heating systems and electrothermal valve drives
- Operation with room temperature controller cover of the LB Management
- Installation in flush box according to EN 60670-1

### Product characteristics

- Pulse width modulation (PWM) or two-point control (on/off)
- Enables connection of a remote sensor (ref.-no.: FF 7.8)
- Input for switching to cooling mode
- Interrupts the heating process after 60 minutes (overheating protection of a heater)

### Technical data

Rated voltage:	AC 230 V ~
Mains frequency:	50/60 Hz
Stand-by power depending on the cover:	approx. 0.1 ... 0.5 W
Switching current 230 V AC1:	10 mA ... 16 A
Connected load:	max. 3,600 W
Connection	
single wire:	1 x 0.5 ... 4.0 mm <sup>2</sup> 2 x 0.5 ... 2.5 mm <sup>2</sup>
stranded without ferrule:	1 x 0.5 ... 4.0 mm <sup>2</sup> 2 x 0.5 ... 2.5 mm <sup>2</sup>
stranded with ferrule:	1 x 0.5 ... 4.0 mm <sup>2</sup> 2 x 0.5 ... 1.5 mm <sup>2</sup>
Ambient temperature:	-5 ... +45 °C

### External temperature sensor

for room thermostat ref.-no. 1790 RTR, TR D .. 1790 ..  
spare part for floor thermostat ref.-no. FTR .. 231 ..  
The sensor cable can be connected using a bifilar cable of 1.5 mm<sup>2</sup> in diameter that is suitable for mains voltage. When installed in a cable duct or near high voltage current cables, a shielded cable must be used.

**FF 7.8**

Also suitable as external temperature sensor for the following KNX devices,  
ref.-no.: .. 2178 TS .., .. 2178 ORTS .., .. 5192 KRM TS D, .. 5194 KRM TS D, 2177 SV R, 23066 REGHE

### Technical data

NTC sensor in plastic cap 7.8 mm Ø	
Cable length:	4 m
Ambient temperature:	-25 ... +70 °C

Ref.-no.

## Display standard for room temperature control

for room thermostat insert ref.-no.: 1790 RTR

for switch inserts ref.-no.: 1701 SE, 1704 ESE

### Intended use

- Manual and time-controlled regulation of the room temperature
- Operation with room thermostat insert or switch insert of the LB Management

### Product characteristics

- Real glass front panel
- 6 sensor buttons
- Timer with three memory areas  
Comfort and ECO time for Mo-Fr and Sa-Su in each memory area
- Setting a comfort, ECO, cooling and frost protection temperature
- Current time can be saved as switching time, quick programming
- Automatic summer/winter time changeover, can be switched off
- Illuminated segment display for easy reading
- Operating lock
- Optimised heating up (temperature is reached at the set time), can be switched off
- Adaptation to valves normally open or normally closed)
- Cooling mode possible
- Supports internal and external temperature sensor
- Temperature drop detection (call-up of frost protection temperature when window is opened)
- Offset adjustment (correction value for measured temperature)
- Controller output working method: pulse width modulation (PWM) or two-point
- Valve protection function (once a week opening and closing of valve, on Saturdays at 11 a.m.)
- Interrupts the heating process after 60 minutes for 5 minutes
- Heating / cooling, switch-over via insert input
- Display switches off after 2 minutes, permanent indication of set/actual temperature or current time possible

### Technical data

Ambient temperature:	-5 ... +45 °C
Storage/transport temperature:	-20 ... +70 °C
Accuracy per month:	± 10 s
Power reserve:	> 4 h

### for AS and A ranges

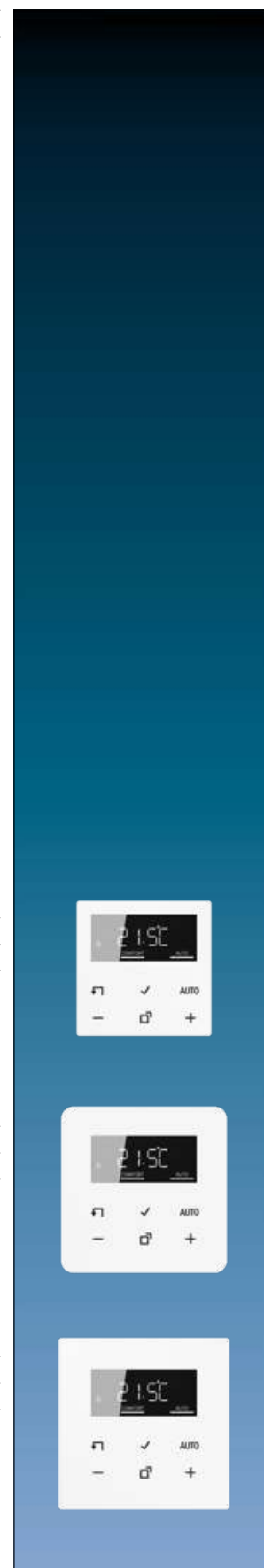
white	A 1790 D WW
black	A 1790 D SW

### for CD range

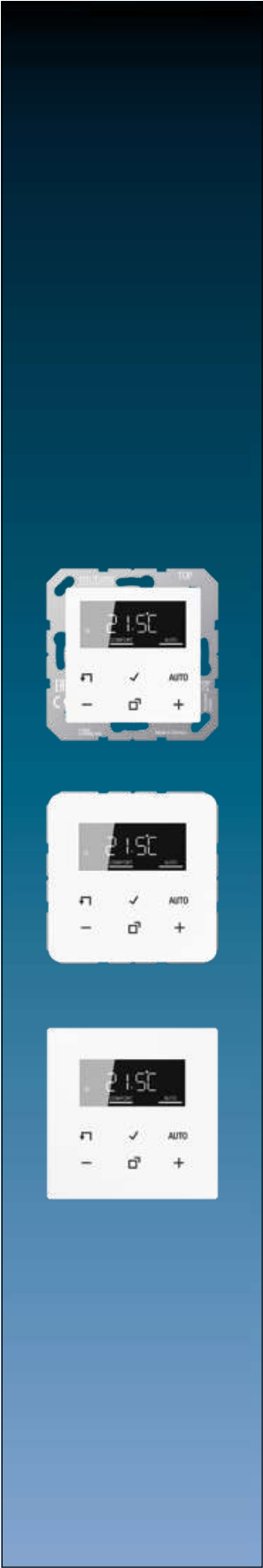
white	CD 1790 D WW
black	CD 1790 D SW

### for LS range

white	LS 1790 D WW
black	LS 1790 D SW



# Temperature Management



Ref.-no.	
<b>Room thermostat with display standard</b>	
consists of room thermostat insert (ref.-no.: 1790 RTR) and display (ref.-no.: .. 1790 D ..)	
<b>Technical data</b>	
Rated voltage:	AC 230 V ~
Mains frequency:	50/60 Hz
Stand-by power depending on the cover:	approx. 0.1 ... 0.5 W
Switching current 230 V AC1:	10 mA ... 16 A
Connected load:	max. 3,600 W
Connection	
single wire:	1 x 0.5 ... 4.0 mm <sup>2</sup>
stranded without ferrule:	2 x 0.5 ... 2.5 mm <sup>2</sup>
stranded with ferrule:	1 x 0.5 ... 4.0 mm <sup>2</sup>
	2 x 0.5 ... 2.5 mm <sup>2</sup>
	1 x 0.5 ... 4.0 mm <sup>2</sup>
	2 x 0.5 ... 1.5 mm <sup>2</sup>
Ambient temperature:	-5 ... +45 °C
Accuracy per month:	± 10 s
Power reserve:	> 4 h
<b>for AS and A ranges</b>	
white	TR D A 1790 WW
black	TR D A 1790 SW
<b>for CD range</b>	
white	TR D CD 1790 WW
black	TR D CD 1790 SW
<b>for LS range</b>	
white	TR D LS 1790 WW
black	TR D LS 1790 SW

Ref.-no.

## Room thermostat (1-way contact)

Screwless terminals for wires up to 2.5 mm<sup>2</sup>

screw fixing only, without claws

1-pole NC contact 10 (4) A, AC 230 V ~, 50/60 Hz

(The value in brackets indicates inductive loads with  $\cos \varphi = 0.6$ )

Thermal feedback (neutral conductor required)

Hysteresis: 0.5 K, nominal range: +5 °C ... +30 °C

Separate terminal for temperature reduction of 5 K (e.g. during night time)

ON/OFF switch with status LED

When set temperature is reached the contact opens up.

## for AS and A ranges

### Thermoplastic (breakproof) high-gloss

ivory	TR A 231
white	TR A 231 WW
black	TR A 231 SW

### Thermoplastic (breakproof) lacquered

aluminium	TR A 231 AL
champagne	TR A 231 CH
mocha	TR A 231 MO

### matt lacquered

matt snow white	TR A 231 WWM
matt graphite black	TR A 231 SWM
matt anthracite	TR A 231 ANM

## for CD range

### Thermoplastic (breakproof) high-gloss

ivory	TR CD 231
white	TR CD 231 WW
brown	TR CD 231 BR
grey	TR CD 231 GR
light grey	TR CD 231 LG
black	TR CD 231 SW

### metal versions (anodized aluminium)

gold-bronze	TR CD 231 GB
platinum	TR CD 231 PT

## for SL range

white	TR SL 231 WW
gold-bronze	TR SL 231 GB
black	TR SL 231 SW



# Temperature Management



Ref.-no.

## Room thermostat (1-way contact)

### for LS range

#### Thermoplastic (breakproof) high-gloss

ivory	TR LS 231
white	TR LS 231 WW
light grey	TR LS 231 LG
black	TR LS 231 SW

#### matt lacquered

matt snow white	TR LS 231 WWM
matt graphite black	TR LS 231 SWM

#### metal versions

aluminium	TR AL 231
stainless steel	TR ES 231
anthracite (aluminium lacquered)	TR AL 231 AN
dark (aluminium lacquered)	TR AL 231 D
chrome	TR GCR 231
gold-coloured	TR GO 231
gold-plated	TR LS 231 GGO
classic brass	TR ME 231 C
antique brass	TR ME 231 AT

## Room thermostat (1-way contact)

Screwless terminals for wires up to 2.5 mm<sup>2</sup>

screw fixing only, without claws

1-pole NC contact 10 (4) A, AC 24 V ~

(The value in brackets indicates inductive loads with  $\cos \varphi = 0.6$ )

Thermal feedback (neutral conductor required)

Hysteresis: 0.5 K, nominal range: +5 °C ... +30 °C

Separate terminal for temperature reduction of 5 K (e.g. during night time)

ON/OFF switch with status LED

When set temperature is reached the contact opens up.

### for AS and A ranges

#### Thermoplastic (breakproof) high-gloss

ivory	TR A 241
white	TR A 241 WW
black	TR A 241 SW

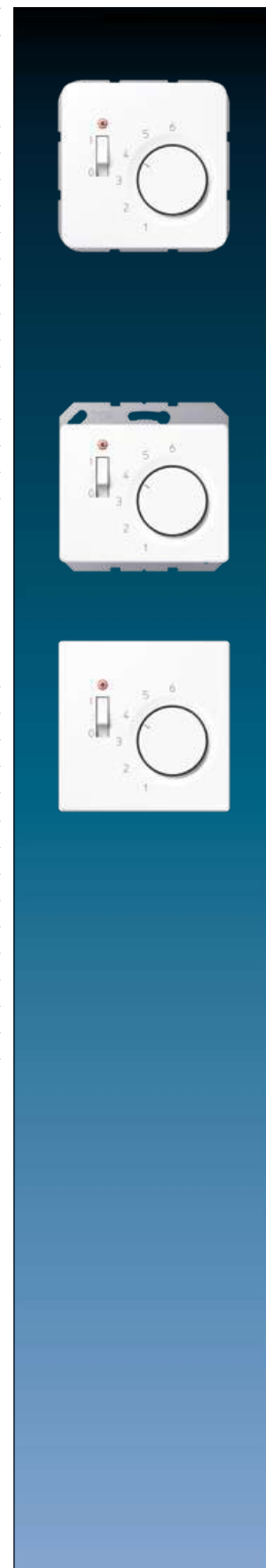
#### Thermoplastic (breakproof) lacquered

aluminium	TR A 241 AL
champagne	TR A 241 CH
mocha	TR A 241 MO

#### matt lacquered

matt anthracite	TR A 241 ANM
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	Ref.-no.
<b>Room thermostat (1-way contact)</b>	
<b>for CD range</b>	
<b>Thermoplastic (breakproof) high-gloss</b>	
ivory	TR CD 241
white	TR CD 241 WW
brown	TR CD 241 BR
grey	TR CD 241 GR
light grey	TR CD 241 LG
black	TR CD 241 SW
<b>metal versions (anodized aluminium)</b>	
gold-bronze	TR CD 241 GB
platinum	TR CD 241 PT
<b>for SL range</b>	
white	TR SL 241 WW
gold-bronze	TR SL 241 GB
black	TR SL 241 SW
<b>for LS range</b>	
<b>Thermoplastic (breakproof) high-gloss</b>	
ivory	TR LS 241
white	TR LS 241 WW
light grey	TR LS 241 LG
black	TR LS 241 SW
<b>metal versions</b>	
aluminium	TR AL 241
stainless steel	TR ES 241
anthracite (aluminium lacquered)	TR AL 241 AN
dark (aluminium lacquered)	TR AL 241 D
chrome	TR GCR 241
gold-coloured	TR GO 241
gold-plated	TR LS 241 GGO
classic brass	TR ME 241 C
antique brass	TR ME 241 AT



# Temperature Management



Ref.-no.

## Room thermostat (2-way contact)

Screwless terminals for wires up to 2.5 mm<sup>2</sup>

screw fixing only, without claws

1-pole, 2-way, heating 10 (4) A, AC 230 V ~, 50/60 Hz

1-pole, 2-way, cooling 5 (2) A, AC 230 V ~, 50/60 Hz

For switching between heating/cooling the EBERLE terminal strip EV..H/K is necessary.

(The value in brackets indicates inductive loads with  $\cos \varphi = 0.6$ )

Thermal feedback (neutral conductor required)

Hysteresis: 0.5 K, nominal range: +5 °C ... +30 °C

No OFF-position

Without switch and control LED

When set temperature is reached the NO/NC contact switches over.

## for AS and A ranges

### Thermoplastic (breakproof) high-gloss

ivory	TR A 236
white	TR A 236 WW
black	TR A 236 SW

### Thermoplastic (breakproof) lacquered

aluminium	TR A 236 AL
champagne	TR A 236 CH
mocha	TR A 236 MO

### matt lacquered

matt snow white	TR A 236 WWM
matt graphite black	TR A 236 SWM
matt anthracite	TR A 236 ANM

## for CD range

### Thermoplastic (breakproof) high-gloss

ivory	TR CD 236
white	TR CD 236 WW
brown	TR CD 236 BR
grey	TR CD 236 GR
light grey	TR CD 236 LG
black	TR CD 236 SW

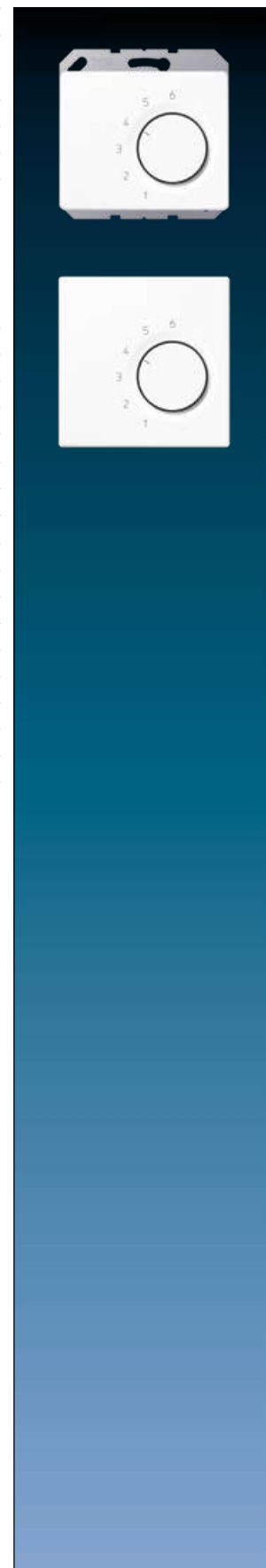
### metal versions (anodized aluminium)

gold-bronze	TR CD 236 GB
platinum	TR CD 236 PT



# Temperature Management

	Ref.-no.
<b>Room thermostat (2-way contact)</b>	
<b>for SL range</b>	
white	TR SL 236 WW
gold-bronze	TR SL 236 GB
black	TR SL 236 SW
<b>for LS range</b>	
<b>Thermoplastic (breakproof) high-gloss</b>	
ivory	TR LS 236
white	TR LS 236 WW
light grey	TR LS 236 LG
black	TR LS 236 SW
<b>matt lacquered</b>	
matt snow white	TR LS 236 WWM
matt graphite black	TR LS 236 SWM
<b>metal versions</b>	
aluminium	TR AL 236
stainless steel	TR ES 236
anthracite (aluminium lacquered)	TR AL 236 AN
dark (aluminium lacquered)	TR AL 236 D
chrome	TR GCR 236
gold-coloured	TR GO 236
gold-plated	TR LS 236 GGO
classic brass	TR ME 236 C
antique brass	TR ME 236 AT



# Temperature Management



Ref.-no.

## Room thermostat (2-way contact)

Screwless terminals for wires up to 2.5 mm<sup>2</sup>

screw fixing only, without claws

1-pole, 2-way, heating 10 (4) A, AC 24 V ~

1-pole, 2-way, cooling 5 (2) A, AC 24 V ~

(The value in brackets indicates inductive loads with  $\cos \varphi = 0.6$ )

Thermal feedback (neutral conductor required)

Hysteresis: 0.5 K, nominal range: +5 °C ... +30 °C

No OFF-position

Without switch and control LED

When set temperature is reached the NO/NC contact switches over.

## for AS and A ranges

### Thermoplastic (breakproof) high-gloss

ivory	TR A 246
white	TR A 246 WW
black	TR A 246 SW

### Thermoplastic (breakproof) lacquered

aluminium	TR A 246 AL
champagne	TR A 246 CH
mocha	TR A 246 MO

### matt lacquered

matt anthracite	TR A 246 ANM
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## for CD range

### Thermoplastic (breakproof) high-gloss

ivory	TR CD 246
white	TR CD 246 WW
brown	TR CD 246 BR
grey	TR CD 246 GR
light grey	TR CD 246 LG
black	TR CD 246 SW

### metal versions (anodized aluminium)

gold-bronze	TR CD 246 GB
platinum	TR CD 246 PT

Ref.-no.

## Room thermostat (2-way contact)

### for SL range

white	TR SL 246 WW
gold-bronze	TR SL 246 GB
black	TR SL 246 SW

### for LS range

#### Thermoplastic (breakproof) high-gloss

ivory	TR LS 246
white	TR LS 246 WW
light grey	TR LS 246 LG
black	TR LS 246 SW

#### metal versions

aluminium	TR AL 246
stainless steel	TR ES 246
anthracite (aluminium lacquered)	TR AL 246 AN
dark (aluminium lacquered)	TR AL 246 D
chrome	TR GCR 246
gold-coloured	TR GO 246
gold-plated	TR LS 246 GGO
classic brass	TR ME 246 C
antique brass	TR ME 246 AT



# Temperature Management



Ref.-no.

## Floor thermostat

Screwless terminals for wires up to 2.5 mm<sup>2</sup>  
 screw fixing only, without claws  
 1-pole NO contact 10 A, AC 230 V ~, 50/60 Hz  
 for control of electrical floor heating and floor temperature systems  
 with NTC remote sensor (length: 4 m, Ø 7.8 mm)  
 Neutral conductor required  
 Hysteresis: 1 K  
 Nominal range: +10 °C ... +50 °C  
 Separate terminal for temperature reduction of 5 K (e.g. during night time)  
 On/off switch  
 LED red: heating  
 LED green: temperature reduction active  
 Non-floating relay contact  
 Heating interruption acc. to EN 50559: Within one hour of permanent heating the controller automatically interrupts the heating process for 5 minutes.

## for AS and A ranges

### Thermoplastic (breakproof) high-gloss

ivory	<b>FTR A 231</b>
white	<b>FTR A 231 WW</b>
black	<b>FTR A 231 SW</b>

### Thermoplastic (breakproof) lacquered

aluminium	<b>FTR A 231 AL</b>
champagne	<b>FTR A 231 CH</b>
mocha	<b>FTR A 231 MO</b>
<b>matt lacquered</b>	
matt anthracite	<b>FTR A 231 ANM</b>

## for CD range

### Thermoplastic (breakproof) high-gloss

ivory	<b>FTR CD 231</b>
white	<b>FTR CD 231 WW</b>
brown	<b>FTR CD 231 BR</b>
grey	<b>FTR CD 231 GR</b>
light grey	<b>FTR CD 231 LG</b>
black	<b>FTR CD 231 SW</b>

### metal versions (anodized aluminium)

gold-bronze	<b>FTR CD 231 GB</b>
platinum	<b>FTR CD 231 PT</b>

	Ref.-no.
<b>Floor thermostat</b>	
<b>for SL range</b>	
white	<b>FTR SL 231 WW</b>
gold-bronze	<b>FTR SL 231 GB</b>
black	<b>FTR SL 231 SW</b>
<b>for LS range</b>	
<b>Thermoplastic (breakproof) high-gloss</b>	
ivory	<b>FTR LS 231</b>
white	<b>FTR LS 231 WW</b>
light grey	<b>FTR LS 231 LG</b>
black	<b>FTR LS 231 SW</b>
<b>metal versions</b>	
aluminium	<b>FTR AL 231</b>
stainless steel	<b>FTR ES 231</b>
anthracite (aluminium lacquered)	<b>FTR AL 231 AN</b>
dark (aluminium lacquered)	<b>FTR AL 231 D</b>
chrome	<b>FTR GCR 231</b>
gold-coloured	<b>FTR GO 231</b>
gold-plated	<b>FTR LS 231 GGO</b>
classic brass	<b>FTR ME 231 C</b>
antique brass	<b>FTR ME 231 AT</b>



# Temperature Management



Ref.-no.

## External temperature sensor

for room thermostat ref.-no. 1790 RTR, TR D .. 1790 ..  
spare part for floor thermostat ref.-no. FTR .. 231 ..

**FF 7.8**

Also suitable as external temperature sensor for the following KNX devices,  
ref.-no.: .. 2178 TS .., .. 2178 ORTS .., .. 5192 KRM TS D, .. 5194 KRM TS D, 2177 SV R, 23066 REGHE

## Technical data

NTC sensor in plastic cap 7.8 mm Ø

Cable length: 4 m

Ambient temperature: -25 ... +70 °C

## Thermal valve drive AC 230 V ~

M 30 x 1.5

**TVA 230 NC WW**

## Intended use

Operation of straightway and 3-way valves.

For controller with switched output, 2-point regulation or pulse width modulation (PWM),  
in combination with single room control systems.

Suitable for retrofitting of existing heating systems with corresponding adapter.

## Product characteristics

- Forceless installation onto the valve
- Visible and haptic position indication
- Noiseless
- Maintenance-free

## Technical data

Rated voltage:

AC 230 V ~, 50/60 Hz

Function:

valve in closed position when power is off (NC)

Power consumption during operation:

2.5 W

Switch-on current:

250 mA

Valve lift:

max. 4.5 mm

Run time for 4.5 mm valve lift:

approx. 3.5 min

Spring power:

max. 125 N

Ambient temperature:

0 ... +50 °C

Thread:

M 30 x 1.5

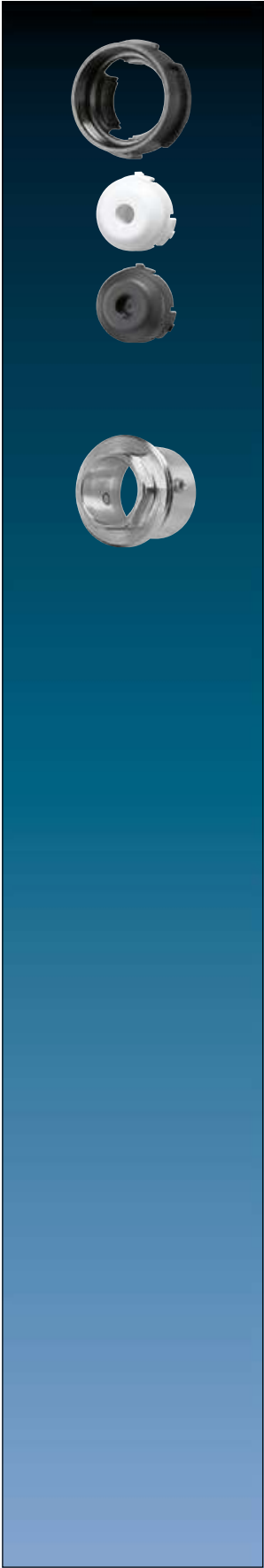
Mounting position:

all positions possible

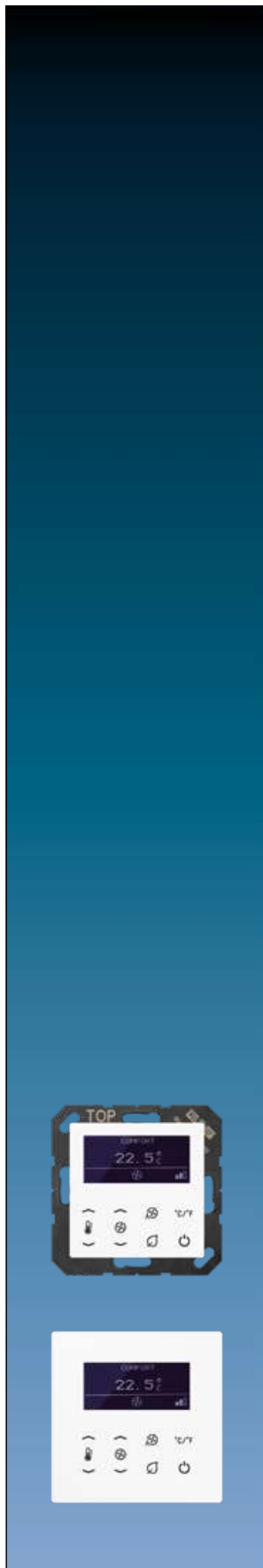
Colour:

white (similar RAL 9016)

Ref.-no.	
<b>Adapter set</b>	
for valve drive ref.-no.: TVA 230 NC WW	
Closing dimensions	
with white cap: 4.5 ... 9.5 mm	
with black cap: 8.5 ... 13.5 mm	
without cap: 13.5 ... 18.5 mm	
M 30 x 1.5	<b>ASET 3015</b>
M 30 x 1.0	<b>ASET 3010</b>
M 28 x 1.5	<b>ASET 2815</b>
<b>Adapter</b>	
For mounting on Danfoss valve RA-N (RA 2000)	
	<b>A 110</b>



# Temperature Management



Ref.-no.

## Temperature controller fan coil, 2-pipe

### Intended use

- Switching and operating electrical fan coil units with electrothermically actuated heating/cooling valves
- Measurement and feedback control of the room temperature
- Installation in flush box according to EN 60670-1 (recommendation: deep box)

### Product characteristics

- Connection of one fan coil unit with up to 3 fan speeds
- Heating or cooling mode
- Real glass front panel
- 8 capacitive sensor buttons
- Internal temperature sensor
- Room temperature controller function
- Preselection of the current energy level through the option of 5 temperature profiles for use in hotels or similar sites
- Display for indication of actual temperature (°C or °F), fan speed, operating mode/profile
- Menu levels blockable
- 1 status LED (red/green/blue)
- Display brightness and contrast adjustable
- Duration of the display illumination up to 120 seconds
- Satellite input for connection of key card holder

### Technical data

Rated voltage:	AC 110 ... 230 V ~
Mains frequency:	50/60 Hz
Switching output	
Contact type:	μ
Output current:	max. 3 A
Switching capacity	
Motors (230 V):	690 VA
Motors (110 V):	300 VA
Outputs for valve drives	
Contact type:	semiconductor (triac), ε
Switching current:	max. 250 mA
Storing temperature:	-5 ... +45 °C
Transport temperature:	-25 ... +70 °C
Ambient temperature:	-5 ... +45 °C
Relative humidity:	5 ... 95 % (no condensation)
Connection mode:	screw terminals
single wire:	1.5 mm <sup>2</sup>
stranded with ferrule:	1.5 mm <sup>2</sup>

### for AS and A ranges

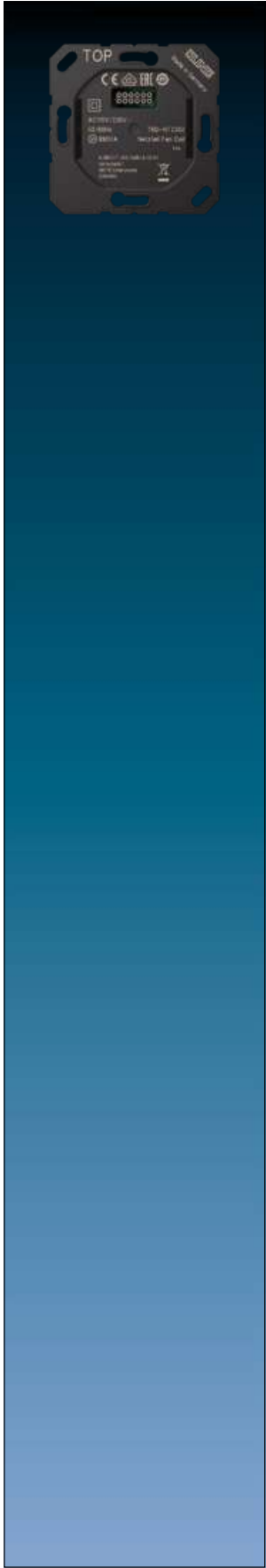
white	TRD A 523028 WW
black	TRD A 523028 SW

### for LS range

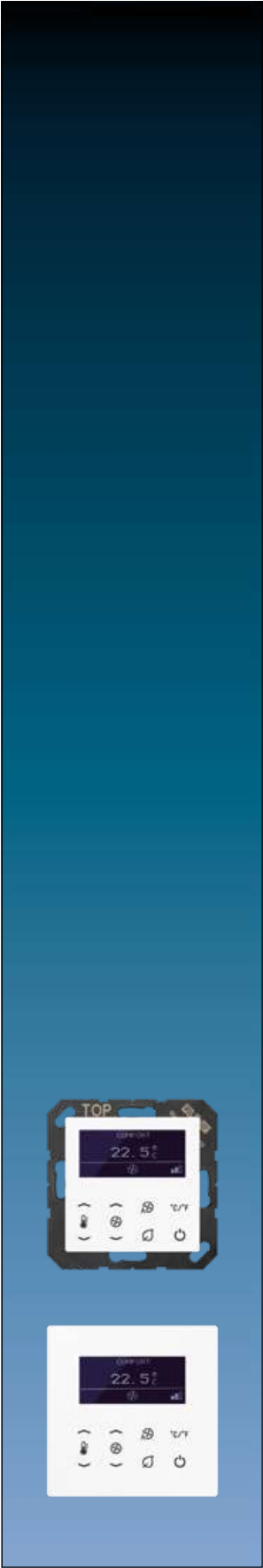
white	TRD LS 923028 WW
black	TRD LS 923028 SW



Ref.-no.	
<b>Power supply</b>	
for temperature controller fan coil (2-pipe) ref.-no.: TRD ..23028 .. (Spare part)	
<b>TRD-NT 2302</b>	
<b>Technical data</b>	
Rated voltage:	AC 110 ... 230 V ~
Mains frequency:	50/60 Hz
Switching output	
Contact type:	μ
Output current:	max. 3 A
Switching capacity	
Motors (230 V):	690 VA
Motors (110 V):	300 VA
Outputs for valve drives	
Contact type:	semiconductor (triac), ε
Switching current:	max. 250 mA
Storing temperature:	-5 ... +45 °C
Transport temperature:	-25 ... +70 °C
Ambient temperature:	-5 ... +45 °C
Relative humidity:	5 ... 95 % (no condensation)
Connection mode:	screw terminals
single wire:	1.5 mm <sup>2</sup>
stranded with ferrule:	1.5 mm <sup>2</sup>



# Temperature Management



Ref.-no.

## Temperature controller fan coil, 4-pipe

### Intended use

- Switching and operating electrical fan coil units with electrothermically actuated heating/cooling valves
- Measurement and feedback control of the room temperature
- Installation in flush box according to EN 60670-1 (recommendation: deep box)

### Product characteristics

- Connection of one fan coil unit with up to 3 fan speeds
- Heating and/or cooling mode
- Real glass front panel
- 8 capacitive sensor buttons
- Internal temperature sensor
- Room temperature controller function
- Preselection of the current energy level through the option of 5 temperature profiles for use in hotels or similar sites
- Display for indication of actual temperature (°C or °F), fan speed, operating mode/profile
- Menu levels blockable
- 1 status LED (red/green/blue)
- Display brightness and contrast adjustable
- Duration of the display illumination up to 120 seconds
- Satellite input for connection of key card holder

### Technical data

Rated voltage:	AC 110 ... 230 V ~
Mains frequency:	50/60 Hz
Switching output	
Contact type:	μ
Output current:	max. 3 A
Switching capacity	
Motors (230 V):	690 VA
Motors (110 V):	300 VA
Outputs for valve drives	
Contact type:	semiconductor (triac), ε
Switching current:	max. 250 mA
Storing temperature:	-5 ... +45 °C
Transport temperature:	-25 ... +70 °C
Ambient temperature:	-5 ... +45 °C
Relative humidity:	5 ... 95 % (no condensation)
Connection mode:	screw terminals
single wire:	1.5 mm <sup>2</sup>
stranded with ferrule:	1.5 mm <sup>2</sup>

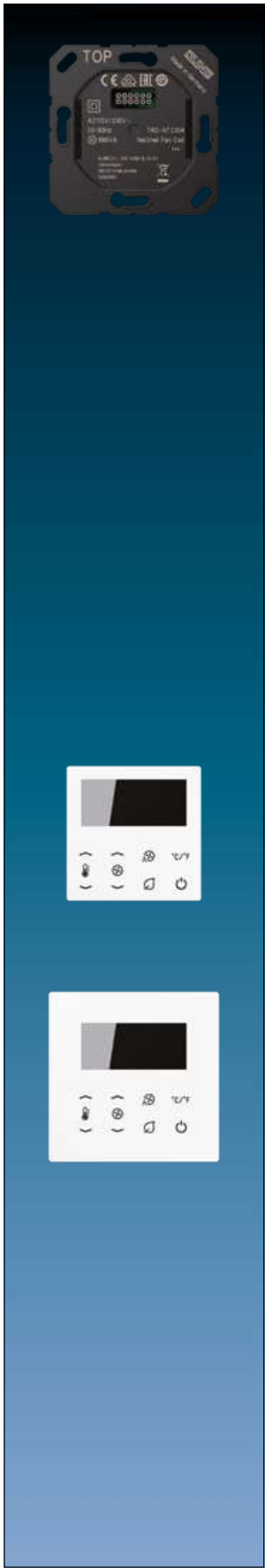
### for AS and A ranges

white	TRD A 523048 WW
black	TRD A 523048 SW

### for LS range

white	TRD LS 923048 WW
black	TRD LS 923048 SW

Ref.-no.	
<b>Power supply</b> for temperature controller fan coil (4-pipe) ref.-no.: TRD ..23048 .. (Spare part)	
<b>TRD-NT 2304</b>	
<b>Technical data</b>	
Rated voltage:	AC 110 ... 230 V ~
Mains frequency:	50/60 Hz
Switching output	
Contact type:	μ
Output current:	max. 3 A
Switching capacity	
Motors (230 V):	690 VA
Motors (110 V):	300 VA
Outputs for valve drives	
Contact type:	semiconductor (triac), ε
Switching current:	max. 250 mA
Storing temperature:	-5 ... +45 °C
Transport temperature:	-25 ... +70 °C
Ambient temperature:	-5 ... +45 °C
Relative humidity:	5 ... 95 % (no condensation)
Connection mode:	screw terminals
single wire:	1.5 mm <sup>2</sup>
stranded with ferrule:	1.5 mm <sup>2</sup>
<b>Display</b> for temperature controller fan coil ref.-no.: TRD ..230.. (Spare part)	
<b>for AS and A ranges</b>	
white	<b>TRD A-DISP WW</b>
black	<b>TRD A-DISP SW</b>
<b>for LS range</b>	
white	<b>TRD LS-DISP WW</b>
black	<b>TRD LS-DISP SW</b>



### Humidistat

#### Intended use

The hygrostat regulates the humidity of the air in order to create a healthy room climate. This helps to prevent damage from mould and mildew.

- Measurement of air humidity in rooms
- Control of 230 V heating and ventilation appliances
- Installation in flush box according to EN 60670-1

#### Product characteristics

- Measurement of room temperature and air humidity to determine the optimal content of moisture in the air
- Control of heating and ventilation appliances for the removal of moisture in rooms
- Manual control range approx. 20 ... 95 % or fixed value of 60 % relative humidity
- Control knob for manual adjustment of the setpoint
- Modes of operation: automatic, manual, party, standby
- Status LED
- Time-controlled continuous operation

#### Function

The humidistat uses an integrated sensor to measure the moisture and temperature in the room. If the humidity exceeds a value set previously on the knob on the humidistat, a connected device is activated to dehumidify the room.

#### Technical data

Rated voltage:	AC 230 V ~
Mains frequency:	50/60 Hz
Ambient temperature:	0 ... +45 °C
Storing temperature:	-20 ... +70 °C
Storage humidity:	20 ... 60 % relative humidity (r. h.)
Contact:	floating NO contact
Contact type:	μ
Switching voltage AC:	max. 230 V
Switching current AC1 (cos φ > 0.8):	15 mA ... 8 A
Switching current AC3 (cos φ < 0.8):	15 mA ... 4 A
Motors:	15 mA ... 4 A
Switching voltage DC:	max. 24 V
Switching current DC:	15 mA ... 8 A
Control range:	20 ... 95 % relative humidity (r. h.)
Measuring tolerance:	± 5 % r. h.
Switching difference:	± 2 %
Length of output cable (≥ 1.5 mm²):	max. 100 m
Connection mode:	screw terminals
Terminals for:	2.5 mm²
Mounting height:	approx. 1.5 m

Ref.-no.

## Humidistat

### for AS and A ranges

#### Thermoplastic (breakproof) high-gloss

ivory	A 5201 HYG
white	A 5201 HYG WW
black	A 5201 HYG SW

#### Thermoplastic (breakproof) lacquered

aluminium	A 5201 HYG AL
champagne	A 5201 HYG CH
mocha	A 5201 HYG MO

#### matt lacquered

matt anthracite	A 5201 HYG ANM
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### for CD range

#### Thermoplastic (breakproof) high-gloss

ivory	CD 5201 HYG
white	CD 5201 HYG WW
grey	CD 5201 HYG GR
light grey	CD 5201 HYG LG

### for LS range

#### Thermoplastic (breakproof) high-gloss

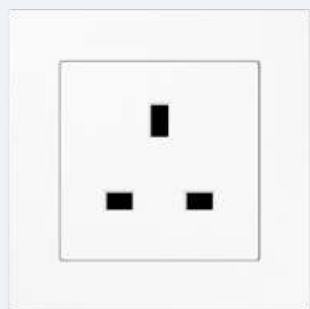
ivory	LS 5201 HYG
white	LS 5201 HYG WW
black	LS 5201 HYG SW

#### metal versions

aluminium	AL 5201 HYG
stainless steel	ES 5201 HYG
anthracite (aluminium lacquered)	AL 5201 HYG AN



**BRITISH STANDARD SOCKET 13 A**



in A 550 in white

**BRITISH STANDARD SOCKET 5 A**



in A FLOW in black

**BRITISH STANDARD 2-GANG SOCKET 13 A, SWITCHABLE WITH INDICATOR LAMP**



in LS DESIGN in stainless steel

JUNG provides British Standard components for typical BS wall boxes. The elaborated modular system enables the simple installation of cover, socket and design frame in a 1-gang or 2-gang version. High quality materials in the LS ranges or the full plate version achieve an elegant view.

## British range



**BRITISH STANDARD SOCKET 13 A IN LS DESIGN IN CLASSIC BRASS**

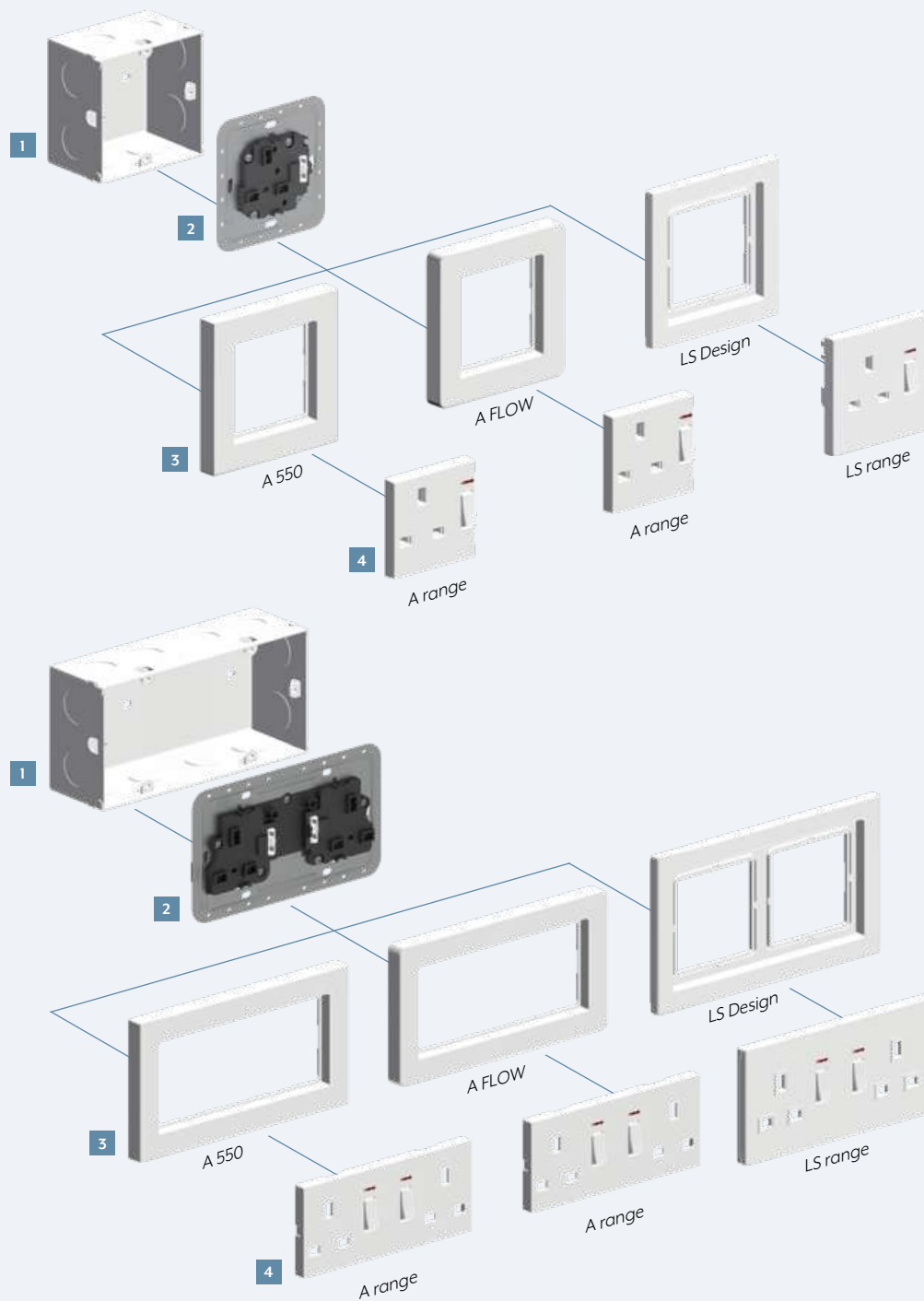
The covers without visible screws compose a plane appearance. The British Standard sockets are available in all LS metal finishes and of course in duroplastic material in ivory, white and black.

## SOCKET INSTALLATION

Sockets are the basis of every electrical installation. For a smooth and fast installation, JUNG supplies British sockets from the factory with the appropriate support ring.

For the installation of a 2-gang wall box in the British system, JUNG offers various 2-gang sockets with a large support ring. In combination with the design frames from the JUNG A 550, A FLOW and LS Design, the electrical installation is given a high-quality appearance.

### BRITISH RANGE: INSTALLATION WITH SUPPORT RING 80 x 80 / 80 x 140 MILLIMETRE



1 Wall box as traditional BS4662

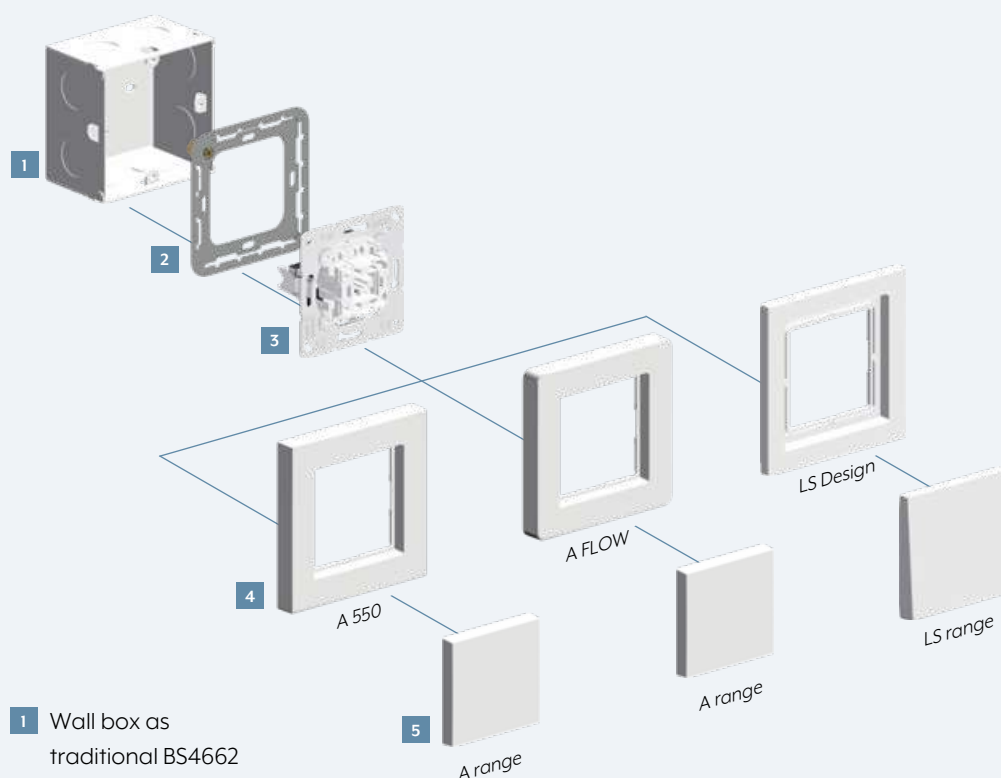
2 Flush-mounting insert with support ring 80 x 80 mm / 80 x 140 mm

3 Design frame

4 Cover



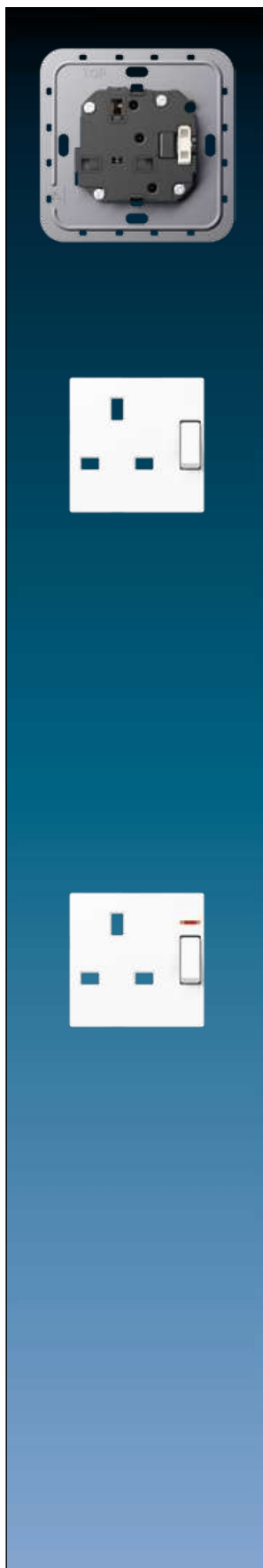
#### INSTALLATION WITH SUPPORT RING 71 x 71 MILLIMETRE AND ADAPTER FRAME



## Combining JUNG products with the adapter frame

Ideal for renovations: JUNG technology with adapter frame. With this method, installers can install versatile building technology, without extensive restoration work or a reconfiguration of the electrical installation under the plaster.

# Installation for British Standard wall boxes



	Ref.-no.
<b>Switched socket insert British Standard 1363 for rectangular British Standard wall boxes</b> Screw terminals for wires up to 4 mm <sup>2</sup> 1-gang <b>2-pole, 13 A 250 V ~</b>	
without indicator light	<b>BS 2171 EINS</b>
with indicator light	<b>BS 2171 KO EINS</b>
The inserts enable the flush installation into rectangular British Standard wall boxes. Combinations with other devices into multiple frames are NOT possible.	
<b>Centre plates for A 550 / A FLOW</b> <b>Centre plate</b> for socket insert ref.-no. BS 2171 EINS only in combination with frames ref.-no. A 5581 .., AF 581 ..	
<b>Duroplastic (scratch-proof) glossy</b>	
ivory	<b>A 3171 PL</b>
white	<b>A 3171 WW PL</b>
black	<b>A 3171 SW PL</b>
<b>Duroplastic lacquered</b>	
aluminium	<b>A 3171 AL PL</b>
champagne	<b>A 3171 CH PL</b>
mocha	<b>A 3171 MO PL</b>
<b>Thermoplastic (breakproof) high-gloss</b>	
white	<b>A 3171 BF WW PL</b>
black	<b>A 3171 BF SW PL</b>
<b>matt lacquered</b>	
matt snow white	<b>A 3171 BF WWM PL</b>
matt graphite black	<b>A 3171 BF SWM PL</b>
matt anthracite	<b>A 3171 BF ANM PL</b>
<b>Centre plate</b> for socket insert ref.-no. BS 2171 KO EINS only in combination with frames ref.-no. A 5581 .., AF 581 ..	
<b>Duroplastic (scratch-proof) glossy</b>	
ivory	<b>A 3171 KO PL</b>
white	<b>A 3171 KO WW PL</b>
black	<b>A 3171 KO SW PL</b>
<b>Duroplastic lacquered</b>	
aluminium	<b>A 3171 KO AL PL</b>
champagne	<b>A 3171 KO CH PL</b>
mocha	<b>A 3171 KO MO PL</b>
<b>Thermoplastic (breakproof) high-gloss</b>	
white	<b>A 3171 BFKO WW PL</b>
black	<b>A 3171 BFKO SW PL</b>
<b>matt lacquered</b>	
matt snow white	<b>A 3171 BFKO WWM PL</b>
matt graphite black	<b>A 3171 BFKO SWM PL</b>
matt anthracite	<b>A 3171 BFKO ANM PL</b>

# Installation for British Standard wall boxes

Ref.-no.

## Centre plates for LS DESIGN (special BS frame)

### Centre plate

for socket insert ref.-no. BS 2171 EINS

only in combination with frames ref.-no. BS 2181 ..

#### Duroplastic (scratch-proof) glossy

ivory	BS 2171 PL
white	BS 2171 WW PL
black	BS 2171 SW PL

#### matt lacquered

matt snow white	BS 2171 WWM PL
matt graphite black	BS 2171 SWM PL

#### metal versions

aluminium	BS 2171 AL PL
stainless steel	BS 2171 ES PL
anthracite (aluminium lacquered)	BS 2171 AN PL
dark (aluminium lacquered)	BS 2171 ALD PL
chrome	BS 2171 GCR PL
gold-coloured	BS 2171 GO PL
classic brass	BS 2171 MEC PL
antique brass	BS 2171 MEAT PL

### Centre plate

for socket insert ref.-no. BS 2171 KO EINS

only in combination with frames ref.-no. BS 2181 ..

#### Duroplastic (scratch-proof) glossy

ivory	BS 2171 KO PL
white	BS 2171 KO WW PL
black	BS 2171 KO SW PL

#### matt lacquered

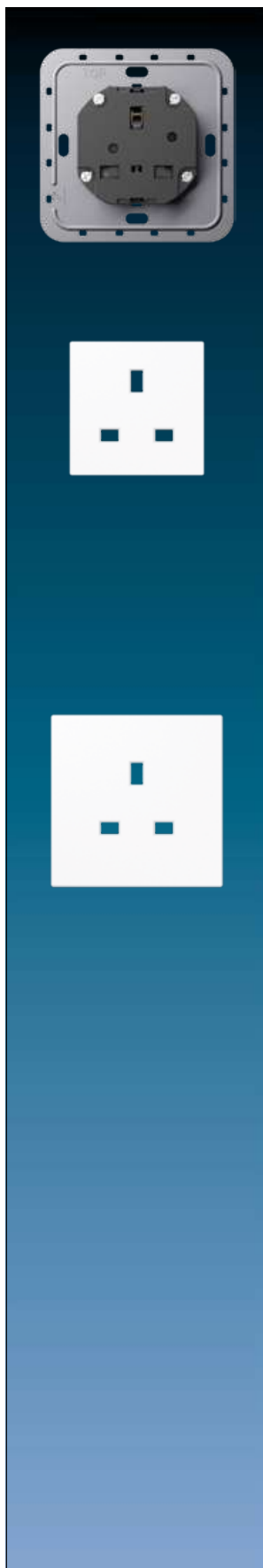
matt snow white	BS 2171 KO WWM PL
matt graphite black	BS 2171 KO SWM PL

#### metal versions

aluminium	BS 2171 KO AL PL
stainless steel	BS 2171 KO ES PL
anthracite (aluminium lacquered)	BS 2171 KO AN PL
dark (aluminium lacquered)	BS 2171 KO ALD PL
chrome	BS 2171 KO GCR PL
gold-coloured	BS 2171 KO GO PL
classic brass	BS 2171 KO MEC PL
antique brass	BS 2171 KO MEAT PL



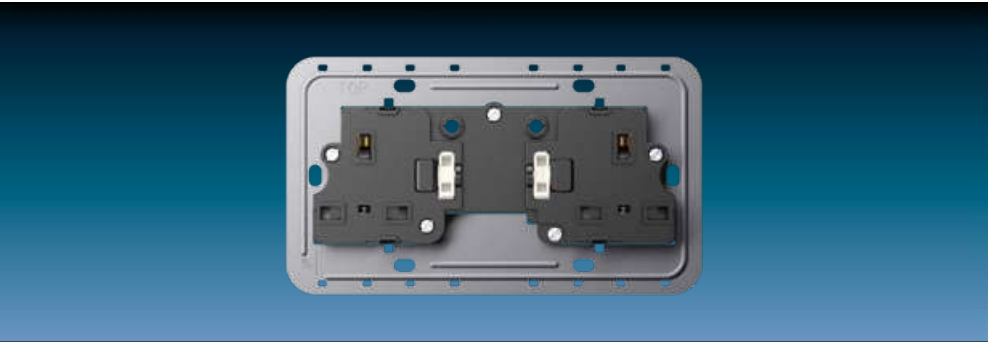
# Installation for British Standard wall boxes



	Ref.-no.
<b>Socket insert British Standard 1363</b> <b>for rectangular British Standard wall boxes</b> Screw terminals for wires up to 4 mm <sup>2</sup> 1-gang <b>2-pole, 13 A 250 V ~</b> without switch	
	<b>BS 2521 EINS</b>
The inserts enable the flush installation into rectangular British Standard wall boxes. Combinations with other devices into multiple frames are NOT possible.	
<b>Centre plates for A 550 / A FLOW</b> <b>Centre plate</b> for socket insert ref.-no. BS 2521 EINS only in combination with frames ref.-no. A 5581 .., AF 581 .. <b>Duroplastic (scratch-proof) glossy</b>	
ivory	<b>A 3521 PL</b>
white	<b>A 3521 WW PL</b>
black	<b>A 3521 SW PL</b>
<b>Duroplastic lacquered</b>	
aluminium	<b>A 3521 AL PL</b>
champagne	<b>A 3521 CH PL</b>
mocha	<b>A 3521 MO PL</b>
<b>Centre plates for LS DESIGN (special BS frame)</b> <b>Centre plate</b> for socket insert ref.-no. BS 2521 EINS only in combination with frames ref.-no. BS 2181 .. <b>Duroplastic (scratch-proof) glossy</b>	
ivory	<b>BS 2521 PL</b>
white	<b>BS 2521 WW PL</b>
light grey	<b>BS 2521 LG PL</b>
black	<b>BS 2521 SW PL</b>
<b>matt lacquered</b>	
matt snow white	<b>BS 2521 WWM PL</b>
matt graphite black	<b>BS 2521 SWM PL</b>
<b>metal versions</b>	
aluminium	<b>BS 2521 AL PL</b>
stainless steel	<b>BS 2521 ES PL</b>
anthracite (aluminium lacquered)	<b>BS 2521 AN PL</b>
dark (aluminium lacquered)	<b>BS 2521 ALD PL</b>
chrome	<b>BS 2521 GCR PL</b>
gold-coloured	<b>BS 2521 GO PL</b>
classic brass	<b>BS 2521 MEC PL</b>
antique brass	<b>BS 2521 MEAT PL</b>

# Installation for British Standard wall boxes

Ref.-no.	
<b>Switched socket insert British Standard 1363 for rectangular British Standard wall boxes</b>	
Screw terminals for wires up to 4 mm²	
2-gang	
<b>2-pole, 13 A 250 V ~</b>	
without indicator light	<b>BS 2172 EINS</b>
with indicator light	<b>BS 2172 KO EINS</b>
The inserts enable the flush installation into rectangular British Standard wall boxes. Combinations with other devices into multiple frames are NOT possible.	



## Centre plates for A 550 / A FLOW

### Centre plate

for socket insert ref.-no. BS 2172 EINS  
only in combination with 2-gang frames ref.-no. A 5582-0 .., AF 582-0 ..

### Thermoplastic (breakproof) high-gloss

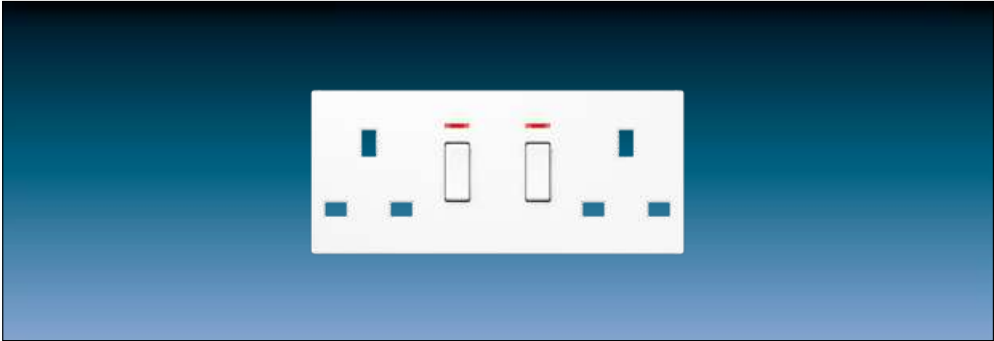
white	<b>A 2172 WW PL</b>
black	<b>A 2172 SW PL</b>

### Thermoplastic (breakproof) lacquered

aluminium	<b>A 2172 AL PL</b>
<b>matt lacquered</b>	
matt snow white	<b>A 2172 WWM PL</b>
matt graphite black	<b>A 2172 SWM PL</b>
matt anthracite	<b>A 2172 ANM PL</b>



# Installation for British Standard wall boxes

	Ref.-no.
<b>Centre plates for A 550 / A FLOW</b>	
<b>Centre plate</b>	
for socket insert ref.-no. BS 2172 KO EINS	
only in combination with 2-gang frames ref.-no. A 5582-0 .., AF 582-0 ..	
<b>Thermoplastic (breakproof) high-gloss</b>	
white	A 2172 KO WW PL
black	A 2172 KO SW PL
<b>Thermoplastic (breakproof) lacquered</b>	
aluminium	A 2172 KO AL PL
<b>matt lacquered</b>	
matt snow white	A 2172 KO WWM PL
matt graphite black	A 2172 KO SWM PL
matt anthracite	A 2172 KO ANM PL
	

# Installation for British Standard wall boxes

Ref.-no.

## Centre plates for LS DESIGN (special BS frame)

### Centre plate

for socket insert ref.-no. BS 2172 EINS

only in combination with 2-gang frames ref.-no. BS 2182 ..

### Duroplastic (scratch-proof) glossy

ivory	BS 2172 PL
white	BS 2172 WW PL
black	BS 2172 SW PL

### matt lacquered

matt snow white	BS 2172 WWM PL
matt graphite black	BS 2172 SWM PL

### metal versions

aluminium	BS 2172 AL PL
stainless steel	BS 2172 ES PL
anthracite (aluminium lacquered)	BS 2172 AN PL
dark (aluminium lacquered)	BS 2172 ALD PL
chrome	BS 2172 GCR PL
gold-coloured	BS 2172 GO PL
classic brass	BS 2172 MEC PL
antique brass	BS 2172 MEAT PL



# Installation for British Standard wall boxes

Ref.-no.

## Centre plates for LS DESIGN (special BS frame)

### Centre plate

for socket insert ref.-no. BS 2172 KO EINS

only in combination with 2-gang frames ref.-no. BS 2182 ..

### Duroplastic (scratch-proof) glossy

ivory	BS 2172 KO PL
white	BS 2172 KO WW PL
black	BS 2172 KO SW PL

### matt lacquered

matt snow white	BS 2172 KO WWM PL
matt graphite black	BS 2172 KO SWM PL

### metal versions

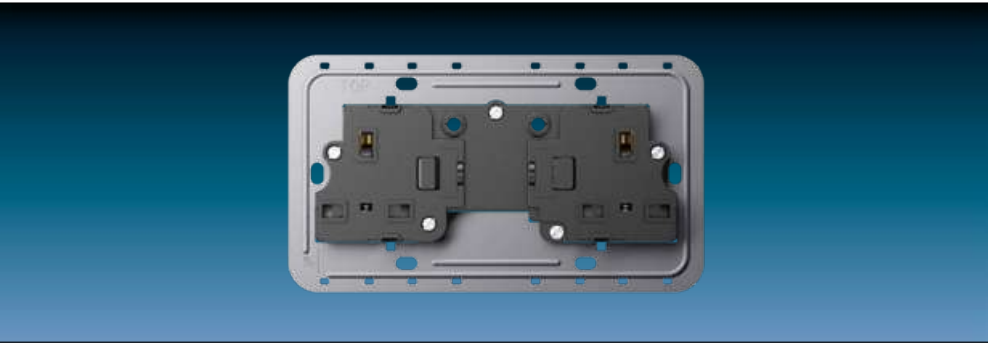
aluminium	BS 2172 KO AL PL
stainless steel	BS 2172 KO ES PL
anthracite (aluminium lacquered)	BS 2172 KO AN PL
dark (aluminium lacquered)	BS 2172 KO ALD PL
chrome	BS 2172 KO GCR PL
gold-coloured	BS 2172 KO GO PL
classic brass	BS 2172 KO MEC PL
antique brass	BS 2172 KO MEAT PL





# Installation for British Standard wall boxes

	Ref.-no.
<b>Socket insert British Standard 1363</b> <b>for rectangular British Standard wall boxes</b> 2-gang Screw terminals for wires up to 4 mm <sup>2</sup> <b>2-pole, 13 A 250 V ~</b> without switch	
	<b>BS 2522 EINS</b>
The inserts enable the flush installation into rectangular British Standard wall boxes. Combinations with other devices into multiple frames are NOT possible.	



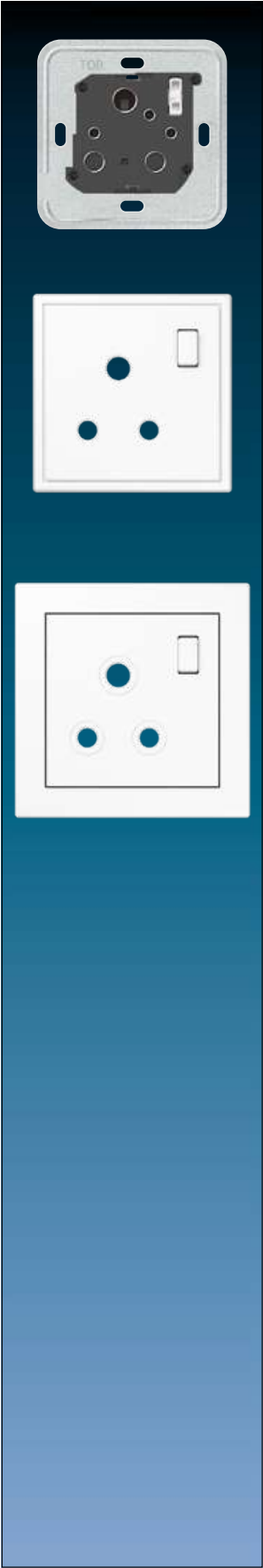
## Centre plates for LS DESIGN (special BS frame)

**Centre plate**  
for socket insert ref.-no. BS 2522 EINS  
only in combination with 2-gang frames ref.-no. BS 2182 ..

<b>Duroplastic (scratch-proof) glossy</b>	
ivory	<b>BS 2522 PL</b>
white	<b>BS 2522 WW PL</b>
black	<b>BS 2522 SW PL</b>
<b>matt lacquered</b>	
matt snow white	<b>BS 2522 WWM PL</b>
matt graphite black	<b>BS 2522 SWM PL</b>
<b>metal versions</b>	
aluminium	<b>BS 2522 AL PL</b>
stainless steel	<b>BS 2522 ES PL</b>
anthracite (aluminium lacquered)	<b>BS 2522 AN PL</b>
dark (aluminium lacquered)	<b>BS 2522 ALD PL</b>
chrome	<b>BS 2522 GCR PL</b>
gold-coloured	<b>BS 2522 GO PL</b>
classic brass	<b>BS 2522 MEC PL</b>
antique brass	<b>BS 2522 MEAT PL</b>



# Installation for British Standard wall boxes



	Ref.-no.
<b>Switched socket insert British Standard 546 for rectangular British Standard wall boxes</b> Screw terminals for wires up to 4 mm <sup>2</sup> <b>2-pole, 15 A 250 V ~</b> only in combination with full plates ref.-no. BS 2171-15 V .. PL or 2971-15 V .. PL	
	<b>BS 2171-15 EINS</b>
The inserts enable the flush installation into rectangular British Standard wall boxes. Combinations with other devices into multiple frames are NOT possible.	
<b>Full plate</b> for socket insert ref.-no. BS 2171-15 EINS with integrated frame in the shape of LS 990 <b>Duroplastic (scratch-proof) glossy</b>	
ivory	<b>BS 2971-15 V PL</b>
white	<b>BS 2971-15 V WW PL</b>
black	<b>BS 2971-15 V SW PL</b>
<b>Full plate</b> for socket insert ref.-no. BS 2171-15 EINS including British Standard 1-gang frame ref.-no. BS 2181 .. <b>Thermoplastic (breakproof) lacquered</b>	
ivory	<b>BS 2171-15 V PL-L</b>
white	<b>BS 2171-15 V WW PL-L</b>
black	<b>BS 2171-15 V SW PL-L</b>
<b>metal versions</b>	
aluminium	<b>BS 2171-15 V AL PL</b>
stainless steel	<b>BS 2171-15 V ES PL</b>
anthracite (aluminium lacquered)	<b>BS 2171-15 V AN PL</b>
dark (aluminium lacquered)	<b>BS 2171-15 V ALD PL</b>
chrome	<b>BS 2171-15 V GCR PL</b>
gold-coloured	<b>BS 2171-15 V GO PL</b>
classic brass	<b>BS 2171-15 V MEC PL</b>
antique brass	<b>BS 2171-15 V MEAT PL</b>

# Installation for British Standard wall boxes

Ref.-no.

## Socket insert British Standard 546 for rectangular British Standard wall boxes

Screw terminals for wires up to 4 mm<sup>2</sup>

**2-pole, 5 A 250 V ~**

**BS 2171-5 EINS**

The inserts enable the flush installation into rectangular British Standard wall boxes.  
Combinations with other devices into multiple frames are NOT possible.

## Centre plates for A 550 / A FLOW

### Centre plate

for socket insert ref.-no. BS 2171-5 EINS

only in combination with frames ref.-no. A 5581 ..., AF 581 ..

### Duroplastic (scratch-proof) glossy

ivory	<b>A 3171-5 PL</b>
white	<b>A 3171-5 WW PL</b>
black	<b>A 3171-5 SW PL</b>

### Duroplastic lacquered

aluminium	<b>A 3171-5 AL PL</b>
champagne	<b>A 3171-5 CH PL</b>
mocha	<b>A 3171-5 MO PL</b>

### Thermoplastic (breakproof) high-gloss

white	<b>A 3171-5 BF WW PL</b>
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### matt lacquered

matt snow white	<b>A 3171-5 WWM PL</b>
matt graphite black	<b>A 3171-5 SWM PL</b>
matt anthracite	<b>A 3171-5 BF ANM PL</b>

## Centre plates for LS DESIGN (special BS frame)

### Centre plate

for socket insert ref.-no. BS 2171-5 EINS

only in combination with frames ref.-no. BS 2181 ..

### Duroplastic (scratch-proof) glossy

ivory	<b>BS 2171-5 PL</b>
white	<b>BS 2171-5 WW PL</b>
black	<b>BS 2171-5 SW PL</b>

### matt lacquered

matt snow white	<b>BS 2171-5 WWM PL</b>
matt graphite black	<b>BS 2171-5 SWM PL</b>

### metal versions

aluminium	<b>BS 2171-5 AL PL</b>
stainless steel	<b>BS 2171-5 ES PL</b>
anthracite (aluminium lacquered)	<b>BS 2171-5 AN PL</b>
dark (aluminium lacquered)	<b>BS 2171-5 ALD PL</b>
chrome	<b>BS 2171-5 GCR PL</b>
gold-coloured	<b>BS 2171-5 GO PL</b>
classic brass	<b>BS 2171-5 MEC PL</b>
antique brass	<b>BS 2171-5 MEAT PL</b>



# Installation for British Standard wall boxes



Ref.-no.

## Switched cable unit with fuse for rectangular British Standard wall boxes

1-gang  
with indicator light  
Screw terminals for wires up to 4 mm<sup>2</sup>  
**2-pole, 13 A 250 V ~**

**BS 2190 CU KO EINS**

The inserts enable the flush installation into rectangular British Standard wall boxes.  
Combinations with other devices into multiple frames are NOT possible.

## Centre plates for A 550 / A FLOW

### Centre plate

for switched cable unit ref.-no. BS 2190 CU KO EINS  
only in combination with frames ref.-no. A 5581 ..., AF 581 ..

ivory	<b>A 3190 CU KO PL</b>
white	<b>A 3190 CU KO WW PL</b>
black	<b>A 3190 CU KO SW PL</b>
aluminium	<b>A 3190 CU KO AL PL</b>
champagne	<b>A 3190 CU KO CH PL</b>
mocha	<b>A 3190 CU KO MO PL</b>

## Centre plates for LS DESIGN (special BS frame)

### Centre plate

for switched cable unit ref.-no. BS 2190 CU KO EINS  
only in combination with frames ref.-no. BS 2181 ..

ivory (aluminium lacquered)	<b>BS 2190 CU KO PL</b>
white (aluminium lacquered)	<b>BS 2190 CU KO WW PL</b>
black (aluminium lacquered)	<b>BS 2190 CU KO SW PL</b>

### metal versions

aluminium	<b>BS 2190 CU KO AL PL</b>
stainless steel	<b>BS 2190 CU KO ES PL</b>
anthracite (aluminium lacquered)	<b>BS 2190 CU KO AN PL</b>
dark (aluminium lacquered)	<b>BS 2190 CU KO ALD PL</b>
chrome	<b>BS 2190 CU KO GCR PL</b>
gold-coloured	<b>BS 2190 CU KO GO PL</b>
classic brass	<b>BS 2190 CU KO MEC PL</b>
antique brass	<b>BS 2190 CU KO MEAT PL</b>

# Installation for British Standard wall boxes

Ref.-no.

**Switched socket insert, type G + I**  
**13 A 250 V ~**  
**for rectangular British Standard wall boxes**  
**for plugs BS 1363 (type G) and GB 2099-1 (type I)**  
with enhanced contact protection (shutter)  
Screw terminals for wires up to 4 mm<sup>2</sup>

**GI 2171 SW EINS**

The inserts enable the flush installation into rectangular British Standard wall boxes.  
Combinations with other devices into multiple frames are NOT possible.

## Centre plate

for socket insert ref.-no. GI 2171 SW EINS  
only in combination with frames ref.-no. BS 2181 ..

## Duroplastic (scratch-proof) glossy

ivory	<b>LS 4171 GI SW PL</b>
white	<b>LS 4171 GI SW WW PL</b>
black	<b>LS 4171 GI SW SW PL</b>

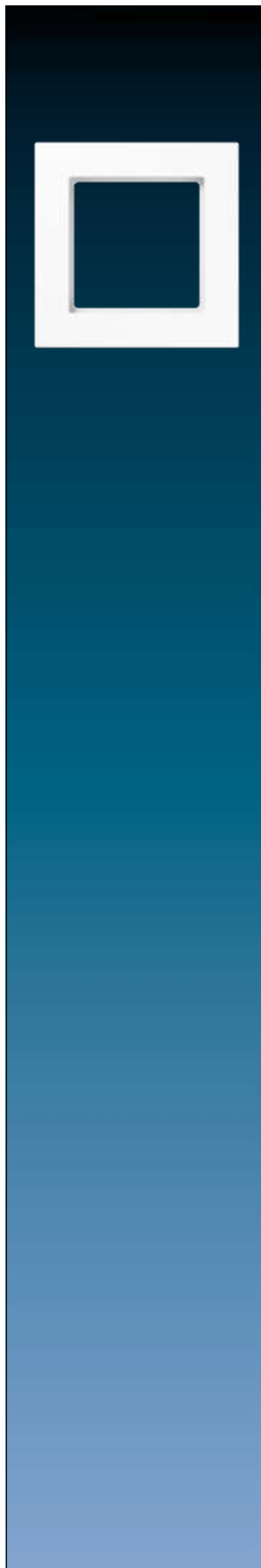
## matt lacquered

matt snow white	<b>LS 4171 GI SW WWM PL</b>
matt graphite black	<b>LS 4171 GI SW SWM PL</b>

other colours on request



# Installation for British Standard wall boxes



Ref.-no.

## Frames A 550

Only in combination with new British Standard inserts (supporting frame with special holes) and British Standard centre plates of the A range (ref.-no.: A 3171 .. PL, A 3521 .. PL, A 3190 CU KO .. PL, A 2172 .. PL).

### Frame, 1-gang

for inserts ref.-no. BS 2171..EINS, BS 2521 EINS, BS 2190 CU KO EINS

#### white

1-gang	85 x 85 mm	 <b>A 5581 BF WW</b>
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#### black

1-gang	85 x 85 mm	 <b>A 5581 BF SW</b>
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#### aluminium

1-gang	85 x 85 mm	  <b>A 5581 BF AL</b>
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#### matt snow white

1-gang	85 x 85 mm	<b>A 5581 BF WWM</b>
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#### matt graphite black

1-gang	85 x 85 mm	<b>A 5581 BF SWM</b>
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#### matt anthracite

1-gang	85 x 85 mm	<b>A 5581 BF ANM</b>
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### Frame, 2-gang without crossbar

for socket inserts ref.-no. BS 2172 EINS, BS 2172 KO EINS

#### white

2-gang	85 x 156 mm	 <b>A 5582-0 BF WW</b>
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#### black

2-gang	85 x 156 mm	 <b>A 5582-0 BF SW</b>
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#### aluminium

2-gang	85 x 156 mm	  <b>A 5582-0 BF AL</b>
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#### matt snow white

2-gang	85 x 156 mm	<b>A 5582-0 BF WWM</b>
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#### matt graphite black

2-gang	85 x 156 mm	<b>A 5582-0 BF SWM</b>
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#### matt anthracite

2-gang	85 x 156 mm	<b>A 5582-0 BF ANM</b>
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# Installation for British Standard wall boxes

Ref.-no.

## Frames A FLOW

Only in combination with new British Standard inserts (supporting frame with special holes) and British Standard centre plates of the A range (ref.-no.: A 3171 .. PL, A 3521 .. PL, A 3190 CU KO .. PL, A 2172 .. PL).

### Frame, 1-gang

for inserts ref.-no. BS 2171..EINS, BS 2521 EINS, BS 2190 CU KO EINS



#### white

1-gang	85 x 85 mm	 <b>AF 581 BF WW</b>
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#### black

1-gang	85 x 85 mm	 <b>AF 581 BF SW</b>
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#### aluminium

1-gang	85 x 85 mm	  <b>AF 581 BF AL</b>
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#### matt snow white

1-gang	85 x 85 mm	<b>AF 581 BF WWM</b>
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#### matt graphite black

1-gang	85 x 85 mm	<b>AF 581 BF SWM</b>
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#### matt anthracite

1-gang	85 x 85 mm	<b>AF 581 BF ANM</b>
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### Frame, 2-gang without crossbar

for socket inserts ref.-no. BS 2172 EINS, BS 2172 KO EINS

#### white

2-gang	85 x 156 mm	 <b>AF 582-0 BF WW</b>
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#### black

2-gang	85 x 156 mm	 <b>AF 582-0 BF SW</b>
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#### aluminium

2-gang	85 x 156 mm	  <b>AF 582-0 BF AL</b>
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#### matt snow white

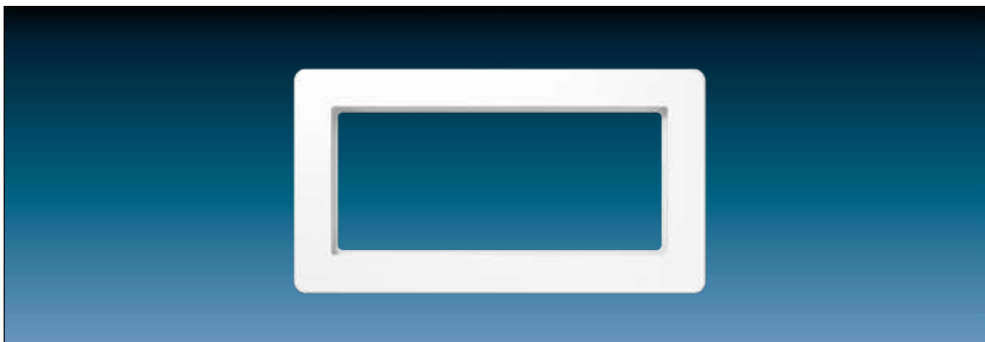
2-gang	85 x 156 mm	<b>AF 582-0 BF WWM</b>
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#### matt graphite black

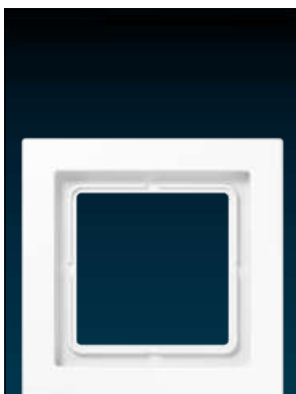
2-gang	85 x 156 mm	<b>AF 582-0 BF SWM</b>
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#### matt anthracite

2-gang	85 x 156 mm	<b>AF 582-0 BF ANM</b>
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# Installation for British Standard wall boxes



Ref.-no.

## Frames LS DESIGN (special BS frames)

Frames suitable for British products (use compatible supporting frame)

### Frame, 1-gang

for British products (with supporting frame 80 x 80)

#### Thermoplastic (breakproof) high-gloss

ivory	<b>BS 2181</b>
white	<b>BS 2181 WW</b>
black	<b>BS 2181 SW</b>

#### metal versions

aluminium	<b>BS 2181 AL</b>
dark (aluminium lacquered)	<b>BS 2181 ALD</b>
stainless steel	<b>BS 2181 ES</b>
anthracite (aluminium lacquered)	<b>BS 2181 AN</b>
chrome	<b>BS 2181 GCR</b>
gold-coloured	<b>BS 2181 GO</b>
classic brass	<b>BS 2181 MEC</b>
antique brass	<b>BS 2181 MEAT</b>

### Frame, 2-gang

for socket inserts ref.-no. BS 2172 EINS, BS 2172 KO EINS, BS 2522 EINS

#### Thermoplastic (breakproof) high-gloss

ivory	<b>BS 2182</b>
white	<b>BS 2182 WW</b>
black	<b>BS 2182 SW</b>

#### metal versions

aluminium	<b>BS 2182 AL</b>
dark (aluminium lacquered)	<b>BS 2182 ALD</b>
stainless steel	<b>BS 2182 ES</b>
anthracite (aluminium lacquered)	<b>BS 2182 AN</b>
chrome	<b>BS 2182 GCR</b>
gold-coloured	<b>BS 2182 GO</b>
classic brass	<b>BS 2182 MEC</b>
antique brass	<b>BS 2182 MEAT</b>





# Installation for British Standard wall boxes

Ref.-no.

## 1-gang switch British Standard

2-pole, 45 A 250 V ~

screw terminals for wires up to 6 mm<sup>2</sup>

**for rectangular British Standard wall boxes**

no frame required

white

**BS 702-45 U WW**

The inserts enable the flush installation into rectangular British Standard wall boxes.

Combinations with other devices into multiple frames are NOT possible.

## Adapter frame

The frame enables the installation of various JUNG inserts into BS wall boxes.

**BS 1980 APM**



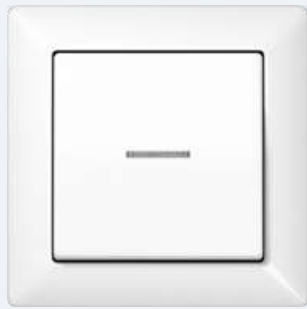


## AS range

The proven standard when it comes to form and function: In addition to the harmonious lines of the AS range, the diffraction of the rocker surface creates a slight optical accent. The bright colours of white and ivory underline the stringent design.



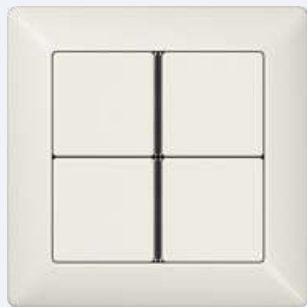
## AS range



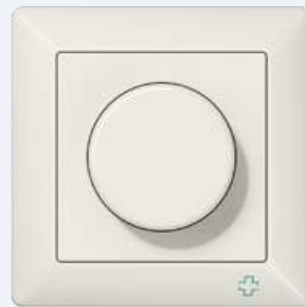
Push-button with lens in white



SCHUKO® socket "antibacterial" in white



Push-button sensor, 4-gang, in ivory





"Antibacterial" rotary dimmer in ivory

The wide product palette of the AS range completely meets the requirements of private and commercial construction; thanks to an antibacterial material finish, it also meets the special hygiene requirements, e.g. in clinics. The comprehensive range of applications includes all the technical possibilities of a modern, future-proof electrical installation.



In addition to the AS 500 in Duroplastic, the unbreakable AS 500 in thermoplastic is available as an alternative. In the same design and with the same selection of colours, but made of unbreakable material, it provides, among other things, a splash-proof IP 44 version.

## Colours and materials



### Duroplastic (scratch-proof), glossy

ivory	similar to RAL 1013	
white	similar to RAL 9016	






### Thermoplastic (breakproof) high-gloss

ivory	similar to RAL 1013	
white	similar to RAL 9016	

### Duroplastic, antibacterial

ivory	similar to RAL 1013	
white	similar to RAL 9010	

### Selected items are also available in other colours

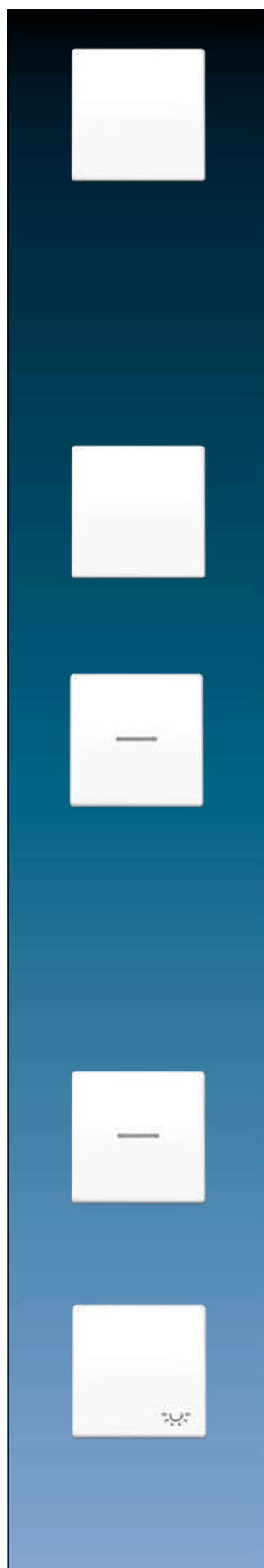
blue	similar to RAL 5013	
green	similar to RAL 6029	
orange	similar to RAL 2004	
red	similar to RAL 3003	
black	ähnlich RAL 9005	

Covers	344
Sockets	349
LB Management	363
eNet	365
Temperature Management	368
SAT / TV	370
Data connectors	372
Telephone	372

### The following products are available in the AS range

Multimedia connection systems	47
USB charger	60
Smart Radio DAB+	76
Hospital installations	94
Door communication	144
F 50	660
F 40	670
F 10	680

# AS range



		Ref.-no.
<b>1-gang rocker</b>		
for switch insert ref.-no.: 501 U, 502 U, 503 U, 506 U, 507 U, 501-20 U, 506-20 U, 507-20 U		
for push switch insert ref.-no.: 502 TU, 506 TU, 507 TU		
for push-button insert ref.-no.: 531 U, 532 U, 533 U, 533-2 U		
<b>Duroplastic (scratch-proof) glossy</b>		
ivory	IP P	AS 591
white	IP P	AS 591 WW
<b>Thermoplastic (breakproof) high-gloss</b>		
ivory	IP L	AS 591 BF
white	IP L	AS 591 BF WW
red	IP	AS 591 BF RT
<b>Duroplastic (scratch-proof) glossy – antibacterial</b>		
ivory	IP	ABAS 591
white	IP	ABAS 591 WW
<b>1-gang rocker with screw fixing</b>		
for switch insert ref.-no.: 501 U, 502 U, 503 U, 506 U, 507 U, 501-20 U, 506-20 U, 507-20 U		
for push switch insert ref.-no.: 502 TU, 506 TU, 507 TU		
for push-button insert ref.-no.: 531 U, 532 U, 533 U, 533-2 U		
<b>Thermoplastic (breakproof) high-gloss</b>		
ivory	IP L	AS 591 BFS
white	IP L	AS 591 BFS WW
For illuminated inserts use rocker with lens ref.-no.: ..KO...		
<b>1-gang rocker with lens</b>		
for switch insert with indicator light		
ref.-no.: 502 KOU, 503 KOU, 506 KOU, 501-20 KOU, 502-20 KOU, 506-20 KOU		
for push switch insert with indicator light ref.-no.: 502 KOTU, 506 KOTU		
for push-button insert ref.-no.: 531 U, 533 U, 533-2 U, 534 U		
<b>Duroplastic (scratch-proof) glossy</b>		
ivory	IP P	AS 591 KO5
white	IP P	AS 591 KO5 WW
<b>Thermoplastic (breakproof) high-gloss</b>		
ivory	IP L	AS 591 KO5BF
white	IP L	AS 591 KO5BF WW
<b>Duroplastic (scratch-proof) glossy – antibacterial</b>		
ivory	IP	ABAS 591 KO5
white	IP	ABAS 591 KO5 WW
<b>1-gang rocker with lens and screw fixing</b>		
for switch insert with indicator light		
ref.-no.: 502 KOU, 503 KOU, 506 KOU, 501-20 KOU, 502-20 KOU, 506-20 KOU		
for push switch insert with indicator light ref.-no.: 502 KOTU, 506 KOTU		
for push-button insert ref.-no.: 531 U, 533 U, 533-2 U, 534 U		
<b>Thermoplastic (breakproof) high-gloss</b>		
ivory	IP L	AS 591 KO5BFS
white	IP L	AS 591 KO5BFS WW
<b>1-gang rocker with symbol "light"</b>		
for switch insert ref.-no.: 501 U, 502 U, 503 U, 506 U, 507 U, 501-20 U, 506-20 U, 507-20 U		
for push switch insert ref.-no.: 502 TU, 506 TU, 507 TU		
for push-button insert ref.-no.: 531 U, 532 U, 533 U, 533-2 U		
<b>Duroplastic (scratch-proof) glossy</b>		
ivory	IP	AS 591 L
white	IP	AS 591 L WW
<b>Duroplastic (scratch-proof) glossy – antibacterial</b>		
ivory	IP	ABAS 591 L
white	IP	ABAS 591 L WW

Ref.-no.

**1-gang rocker with symbol "light", with lens**


for switch insert with indicator light

ref.-no.: 502 KOU, 503 KOU, 506 KOU, 501-20 KOU, 502-20 KOU, 506-20 KOU



for push switch insert with indicator light ref.-no.: 502 KOTU, 506 KOTU

for push-button insert ref.-no.: 531 U, 533 U, 533-2 U, 534 U

**Duroplastic (scratch-proof) glossy**

ivory		AS 591 KO5L
white		AS 591 KO5L WW



**Duroplastic (scratch-proof) glossy – antibacterial**

ivory		ABAS 591 KO5L
white		ABAS 591 KO5L WW



**1-gang rocker with symbol "bell"**

for push-button insert ref.-no.: 531 U, 532 U, 533 U, 533-2 U

**Duroplastic (scratch-proof) glossy**

ivory		AS 591 K
white		AS 591 K WW



**Duroplastic (scratch-proof) glossy – antibacterial**

ivory		ABAS 591 K
white		ABAS 591 K WW



**1-gang rocker with symbol "bell", with lens**

for push-button insert ref.-no.: 531 U, 533 U, 533-2 U, 534 U

**Duroplastic (scratch-proof) glossy**

ivory		AS 591 KO5K
white		AS 591 KO5K WW



**Duroplastic (scratch-proof) glossy – antibacterial**

ivory		ABAS 591 KO5K
white		ABAS 591 KO5K WW



**1-gang rocker with symbol "door"**

for push-button insert ref.-no.: 531 U, 532 U, 533 U, 533-2 U

**Duroplastic (scratch-proof) glossy**

ivory		AS 591 T
white		AS 591 T WW



**Duroplastic (scratch-proof) glossy – antibacterial**

ivory		ABAS 591 T
white		ABAS 591 T WW



**1-gang rocker with symbol "door", with lens**

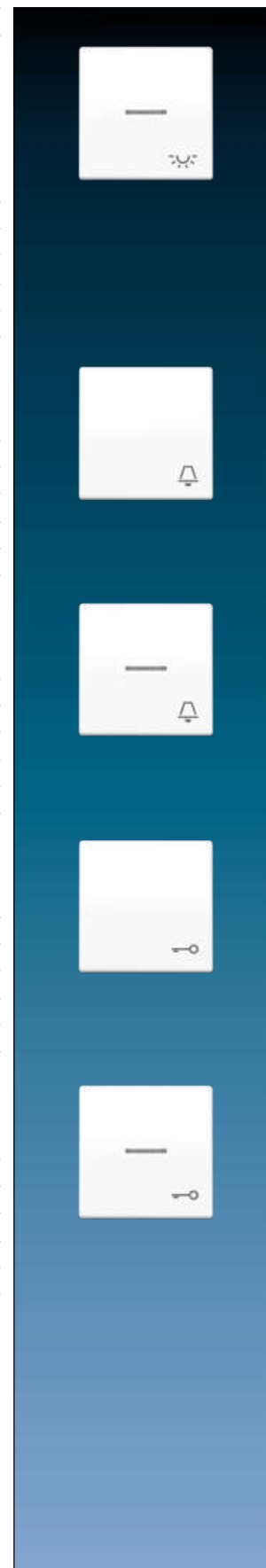
for push-button insert ref.-no.: 531 U, 533 U, 533-2 U, 534 U

**Duroplastic (scratch-proof) glossy**

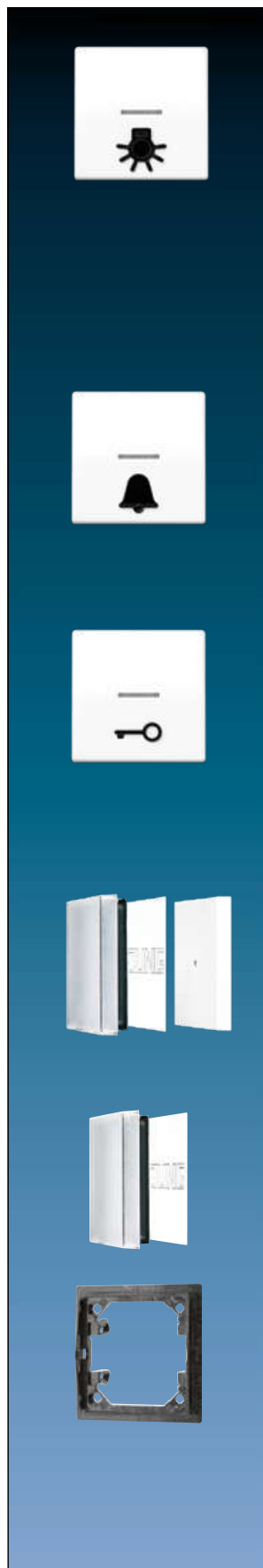
ivory		AS 591 KO5T
white		AS 591 KO5T WW

**Duroplastic (scratch-proof) glossy – antibacterial**

ivory		ABAS 591 KO5T
white		ABAS 591 KO5T WW



# AS range



Ref.-no.

## Barrier-free living

### 1-gang rocker with tactile symbol "light", with lens

for switch insert with indicator light

ref.-no.: 502 KOU, 503 KOU, 506 KOU, 501-20 KOU, 502-20 KOU, 506-20 KOU

for push switch insert with indicator light ref.-no.: 502 KOTU, 506 KOTU

for push-button insert ref.-no.: 531 U, 533 U, 533-2 U, 534 U

### Duroplastic (scratch-proof) glossy

ivory	IP P	AS 591 L1KO5
white	IP P	AS 591 L1KO5 WW

### Duroplastic (scratch-proof) glossy – antibacterial

ivory	IP	ABAS 591 L1KO5
white	IP	ABAS 591 L1KO5 WW

### 1-gang rocker with tactile symbol "bell", with lens

for push-button insert ref.-no.: 531 U, 533 U, 533-2 U, 534 U

### Duroplastic (scratch-proof) glossy

ivory	IP P	AS 591 K1KO5
white	IP P	AS 591 K1KO5 WW

### Duroplastic (scratch-proof) glossy – antibacterial

ivory	IP	ABAS 591 K1KO5
white	IP	ABAS 591 K1KO5 WW

### 1-gang rocker with tactile symbol "door", with lens

for push-button insert ref.-no.: 531 U, 533 U, 533-2 U, 534 U

### Duroplastic (scratch-proof) glossy

ivory	IP P	AS 591 T1KO5
white	IP P	AS 591 T1KO5 WW

### Duroplastic (scratch-proof) glossy – antibacterial

ivory	IP	ABAS 591 T1KO5
white	IP	ABAS 591 T1KO5 WW

For improved visibility use frame in contrasting black colour.

### 1-gang rocker, transparent

for switch insert ref.-no.: 501 U, 502 U, 503 U, 506 U, 507 U, 501-20 U, 506-20 U, 507-20 U

for push switch insert ref.-no.: 502 TU, 506 TU, 507 TU

for push-button insert ref.-no.: 531 U, 532 U, 533 U, 533-2 U

for individual text or decorative inlets (e.g. wall paper)

### Thermoplastic (breakproof) high-gloss

inscription field 50 x 50 mm	A 590 NA GL
------------------------------	-------------

### Plastic cover with paper inlay

for inscription field 50 x 50 mm

(Spare part)

### Thermoplastic (breakproof) high-gloss

paper inlay white	A 590 NA GL PL
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### Holder plate

for frame fixing and 1-gang rocker bearing

(Spare part)

black	AS 90 HP
-------	----------



Ref.-no.

**1-gang rocker with glass plate**

with rocker and lens

for all 1-gang switch/push-button inserts (except push switch insert)

(to be used only with frame AS 581.. – AS 585..)

**Thermoplastic (breakproof) high-gloss**

red	similar RAL 3000	<b>AS 561 GL RT</b>
blue	similar RAL 5015	<b>AS 561 GL BL</b>
yellow	similar RAL 1004	<b>AS 561 GL GE</b>

for the inscription with transparent foil

**Glass plate**

64 x 53 x 1 mm (W x H x D)	<b>60 GL</b>
----------------------------	--------------

**Frame, 1-gang**

80.5 x 80.5 mm

**Thermoplastic (breakproof) high-gloss**

red	similar RAL 3000	<b>AS 581 GL RT</b>
blue	similar RAL 5015	<b>AS 581 GL BL</b>
yellow	similar RAL 1004	<b>AS 581 GL GE</b>





**Pull cord switch 10 AX / 250 V ~**

for wall and ceiling installation

Screw terminals for wires up to 2.5 mm<sup>2</sup>

with 50 mm pull cord

**Thermoplastic (breakproof) high-gloss**

ivory	  <b>A 506 BF NUZ</b>
white	  <b>A 506 BF NUZ WW</b>

Other pull cord devices can be realised with pull cord insert 34 KO5  
and 1-gang rocker with transparent lens AS 590 KO5 .. or AS 591 KO5 ..




**2-gang rocker**

for switch insert ref.-no.: 505 U, 509 U




for push switch insert ref.-no.: 505 TU, 509 TU

for push-button insert ref.-no.: 535 U, 539 U



**Duroplastic (scratch-proof) glossy**

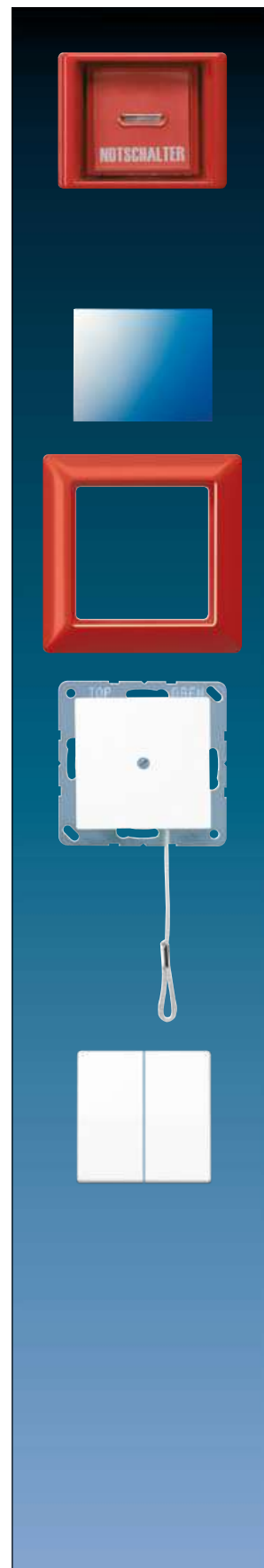
ivory	  <b>AS 591-5</b>
white	  <b>AS 591-5 WW</b>

**Thermoplastic (breakproof) high-gloss**

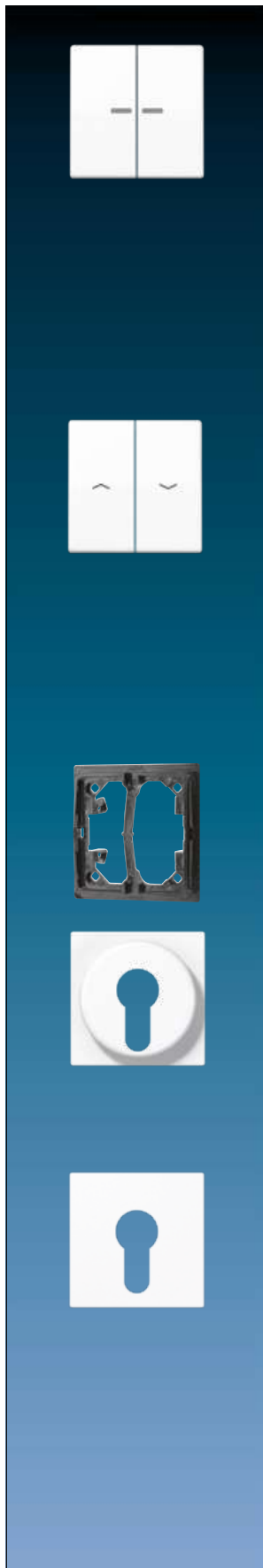
ivory	  <b>AS 591-5 BF</b>
white	  <b>AS 591-5 BF WW</b>

**Duroplastic (scratch-proof) glossy – antibacterial**

ivory	 <b>ABAS 591-5</b>
white	 <b>ABAS 591-5 WW</b>



# AS range



Ref.-no.			
<b>2-gang rocker with lens</b>			
for switch insert ref.-no.: 505 U 5			
for switch insert with indicator light ref.-no.: 505 KOU 5			
for push-button insert ref.-no.: 535 U 5			
<b>Duroplastic (scratch-proof) glossy</b>			
ivory	IP P	AS 591-5 KO5	
white	IP P	AS 591-5 KO5 WW	
<b>Thermoplastic (breakproof) high-gloss</b>			
ivory	IP L	AS 591-5 KO5BF	
white	IP L	AS 591-5 KO5BF WW	
<b>Duroplastic (scratch-proof) glossy – antibacterial</b>			
ivory	IP	ABAS 591-5 KO5	
white	IP	ABAS 591-5 KO5 WW	
<b>2-gang rocker with arrow symbols</b>			
for blind switch insert ref.-no.: 509 VU			
for blind push-button insert ref.-no.: 539 VU			
<b>Duroplastic (scratch-proof) glossy</b>			
ivory	IP	AS 591-5 P	
white	IP	AS 591-5 P WW	
<b>Thermoplastic (breakproof) high-gloss</b>			
ivory	IP	AS 591-5 PBF	
white	IP	AS 591-5 PBF WW	
<b>Duroplastic (scratch-proof) glossy – antibacterial</b>			
ivory	IP	ABAS 591-5 P	
white	IP	ABAS 591-5 P WW	
<b>Holder plate</b>			
for frame fixing and 2-gang rocker bearing			
(Spare part)			
black		AS 90-5 HP	
<b>Centre plate</b>			
for key switch inserts ref.-no.: 104.28, 134.18, 134.28, 133.18, 138.18, 106.28			
for key switch inserts IP 44 ref.-no.: CD 104.18 WU, CD 134.18 WU, CD 133.18 WU, CD 106.18 WU			
<b>Thermoplastic (breakproof) high-gloss</b>			
ivory	IP L	A 528 PL	
white	IP L	A 528 PL WW	
One escutcheon plate with symbols and one without symbols included in delivery.			
Height of escutcheon plate: 11 mm			
<b>Centre plate</b>			
for key switch inserts ref.-no.: 104.15, 134.15, 133.15, 106.15			
<b>Thermoplastic (breakproof) high-gloss</b>			
ivory	L	A 525 PL	
white	L	A 525 PL WW	

Ref.-no.

**Centre plate with knob**

for rotary switch insert ref.-no.: 1101-4, 1101-20

for timer switch insert ref.-no.: 11015, 11120-20

for rotary blind switch insert ref.-no.: 1234.10, 1234.20

**Duroplastic (scratch-proof) glossy**ivory  **A 1541**white  **A 1541 WW**

also for volume control WHD type: LST..JU UP and LR..JU UP


and for program selection WHD type: PRO 3 JU..

**SCHUKO® socket 16 A / 250 V ~**Screwless terminals for wires up to 2.5 mm<sup>2</sup>

Without claws: ref.-no. with additional "N", e.g.: ..1520 N..

With screw terminals: ref.-no. ..1521..

Supporting frame, claws and claw screws are integrated into the earth protection.

**Duroplastic (scratch-proof) glossy**ivory  **A 1520**white  **A 1520 WW****Thermoplastic (breakproof) high-gloss**ivory  **A 1520 BF**white  **A 1520 BF WW**blue **A 1520 BF BL**green **A 1520 BF GN**orange **A 1520 BF O**red **A 1520 BF RT****Duroplastic (scratch-proof) glossy – antibacterial**ivory **ABA 1520**white **ABA 1520 WW****Thermoplastic (breakproof) high-gloss – antibacterial**green **ABA 1520 BF GN**orange **ABA 1520 BF O****SCHUKO® socket 16 A / 250 V ~****with enhanced contact protection (shutter)**Screwless terminals for wires up to 2.5 mm<sup>2</sup>

With screw terminals: ref.-no. ..1521..

Supporting frame, claws and claw screws are integrated into the earth protection.

**Duroplastic (scratch-proof) glossy**ivory  **A 1520 KI**white  **A 1520 KI WW****Thermoplastic (breakproof) high-gloss**ivory  **A 1520 BFKI**white  **A 1520 BFKI WW**blue **A 1520 BFKI BL**green **A 1520 BFKI GN**orange **A 1520 BFKI O**red **A 1520 BFKI RT****Duroplastic (scratch-proof) glossy – antibacterial**ivory **ABA 1520 KI**white **ABA 1520 KI WW****Thermoplastic (breakproof) high-gloss – antibacterial**green **ABA 1520 BF KI GN**orange **ABA 1520 BF KI O**

# AS range



Ref.-no.

## SCHUKO® socket 16 A / 250 V ~



Screw terminals for wires up to 2.5 mm<sup>2</sup>

Supporting frame, claws and claw screws are integrated into the earth protection.

### Duroplastic (scratch-proof) glossy

ivory		A 1521
white		A 1521 WW

### Thermoplastic (breakproof) high-gloss

ivory		A 1521 BF
white		A 1521 BF WW
green		A 1521 BF GN
orange		A 1521 BF O

## SCHUKO® socket 16 A / 250 V ~

### with inscription field 6 x 46 mm


Screwless terminals for wires up to 2.5 mm<sup>2</sup>

Without claws: ref.-no. with additional "N", e.g.: ..1520 N..

With screw terminals: ref.-no. ..1521..

Supporting frame, claws and claw screws are integrated into the earth protection.

### Thermoplastic (breakproof) high-gloss

white		A 1520 BFNA WW
green		A 1520 BFNA GN
orange		A 1520 BFNA O
red		A 1520 BFNA RT

## SCHUKO® socket 16 A / 250 V ~

### with enhanced contact protection (shutter)

### with inscription field 6 x 46 mm


Screwless terminals for wires up to 2.5 mm<sup>2</sup>

Without claws: ref.-no. with additional "N", e.g.: ..1520 N..

With screw terminals: ref.-no. ..1521..

Supporting frame, claws and claw screws are integrated into the earth protection.

### Thermoplastic (breakproof) high-gloss

white		A 1520 BFKINA WW
green		A 1520 BFKINA GN
orange		A 1520 BFKINA O
red		A 1520 BFKINA RT

## Transparent cover with paper inlay

for inscription field 6 x 46 mm

(Spare part)

paper inlay white	A 20 NA
-------------------	---------

## SCHUKO® socket 45°, 16 A / 250 V ~



### with enhanced contact protection (shutter)

Screwless terminals for wires up to 2.5 mm<sup>2</sup>

especially suitable for vertical combination of several outlets

Without claws: ref.-no. with additional "N", e.g.: ..520-45 N..

### Duroplastic (scratch-proof) glossy

ivory		A 520-45 KI
white		A 520-45 KI WW



Ref.-no.

**SCHUKO® socket 16 A / 250 V ~****with pilot light (green LED) ref.-no.: 193-LED GN****with enhanced contact protection (shutter)**Screwless terminals for wires up to 2.5 mm<sup>2</sup>

Without claws: ref.-no. with additional "N", e.g.: ..1520 N..

Supporting frame, claws and claw screws are integrated into the earth protection.

**Thermoplastic (breakproof) high-gloss**

ivory	 A 1520 BFKO
white	 A 1520 BFKO WW
green	A 1520 BFKO GN
orange	A 1520 BFKO O
red	A 1520 BFKO RT

**Duroplastic (scratch-proof) glossy – antibacterial**

ivory	ABA 1520 KO
white	ABA 1520 KO WW

**Thermoplastic (breakproof) high-gloss – antibacterial**

green	ABA 1520 BFKO GN
orange	ABA 1520 BFKO O
red	ABA 1520 BFKO RT


Spare pilot light exchangeable from the front without disconnecting the mains

**SCHUKO® socket 16 A / 250 V ~****with pilot light (green LED) ref.-no.: 193-LED GN****with enhanced contact protection (shutter)****with inscription field 6 x 46 mm**Screwless terminals for wires up to 2.5 mm<sup>2</sup>

Without claws: ref.-no. with additional "N", e.g.: ..1520 N..

Supporting frame, claws and claw screws are integrated into the earth protection.

**Thermoplastic (breakproof) high-gloss**

white	 A 1520 BFNAKO WW
green	A 1520 BFNAKO GN
orange	A 1520 BFNAKO O
red	A 1520 BFNAKO RT

**Thermoplastic (breakproof) high-gloss – antibacterial**

white	ABA 1520 BFNAKO WW
green	ABA 1520 BFNAKO GN
orange	ABA 1520 BFNAKO O
red	ABA 1520 BFNAKO RT

Spare pilot light exchangeable from the front without disconnecting the mains

**Transparent cover with paper inlay**

for inscription field 6 x 46 mm

(Spare part)

paper inlay white	A 20 NA
-------------------	---------

**SCHUKO® socket with USB charger****with enhanced contact protection (shutter)**

with 1 USB port type A

with quick charge function

Screwless terminals for wires up to 2.5 mm<sup>2</sup>

Installation in flush box according to EN 60670-1

Installation depth: 48 mm

**Thermoplastic (breakproof) high-gloss**

ivory	A 1520-18 A
white	A 1520-18 A WW





Ref.-no.

**SCHUKO® socket with USB charger  
with enhanced contact protection (shutter)**

with 1 USB port type C  
with quick charge function  
Screwless terminals for wires up to 2.5 mm<sup>2</sup>  
Installation in flush box according to EN 60670-1  
Installation depth: 48 mm



**Thermoplastic (breakproof) high-gloss**

ivory

**A 1520-18 C**

white

**A 1520-18 C WW**

**SCHUKO® socket with USB charger  
with enhanced contact protection (shutter)**

with 1 USB port type A and 1 USB port type C  
Screwless terminals for wires up to 2.5 mm<sup>2</sup>  
Installation in flush box according to EN 60670-1  
Installation depth: 48 mm

**Thermoplastic (breakproof) high-gloss**

ivory

**A 1520-15 CA**

white

**A 1520-15 CA WW**

**Socket, French/Belgian system with USB charger**

2-pole + male earth pin, 16 A / 250 V ~  
with enhanced contact protection (shutter)  
with 1 USB port type A  
with quick charge function  
Screwless terminals for wires up to 2.5 mm<sup>2</sup>  
Installation in flush box according to EN 60670-1  
Installation depth: 48 mm



**Thermoplastic (breakproof) high-gloss**

ivory

**A 1520 F-18 A**

white

**A 1520 F-18 A WW**

**Socket, French/Belgian system with USB charger**

2-pole + male earth pin, 16 A / 250 V ~  
with enhanced contact protection (shutter)  
with 1 USB port type C  
with quick charge function  
Screwless terminals for wires up to 2.5 mm<sup>2</sup>  
Installation in flush box according to EN 60670-1  
Installation depth: 48 mm



**Thermoplastic (breakproof) high-gloss**

ivory

**A 1520 F-18 C**

white

**A 1520 F-18 C WW**

**Socket, French/Belgian system with USB charger**

2-pole + male earth pin, 16 A / 250 V ~  
with enhanced contact protection (shutter)  
with 1 USB port type A and 1 USB port type C  
Screwless terminals for wires up to 2.5 mm<sup>2</sup>  
Installation in flush box according to EN 60670-1  
Installation depth: 48 mm

**Thermoplastic (breakproof) high-gloss**

ivory

**A 1520 F-15 CA**

white

**A 1520 F-15 CA WW**

Ref.-no.

**SCHUKO® socket 16 A / 250 V ~****with surge voltage protection**Screw terminals for wires up to 2.5 mm<sup>2</sup>

Without claws: ref.-no. with additional "N", e.g.: ..521 N..

**Duroplastic (scratch-proof) glossy**ivory **A 521 UF**white **A 521 UF WW****SCHUKO® socket with RCD (residual current device) 16 A / 250 V ~****according to DIN EN 61008-1 (VDE 0664-10) and DIN EN 61008-2-1 (VDE 0664-11)****Rated residual current: 30 mA****with enhanced contact protection (shutter)**Screwless terminals for wires up to 2.5 mm<sup>2</sup>

not suitable for installation in surface caps

The SCHUKO socket with RCD is suitable to replace sockets in older installations.

Sockets that are connected to the RCD-protected output terminals (L' N') are likewise RCD-protected.

The electrical installation up to the SCHUKO® socket with RCD is not protected.

The socket can also be switched on and off manually, using the built-in switch.

**Thermoplastic (breakproof) high-gloss**ivory **A 5520.30**white **A 5520.30 WW****Technical data**

Rated voltage: AC 230 V ~, 50/60 Hz

Rated current: 16 A

Rated residual current: 30 mA

Ambient temperature: -25 ... +40 °C

**RCD (residual current device) 16 A / 250 V ~****according to DIN EN 61008-1 (VDE 0664-10) and DIN EN 61008-2-1 (VDE 0664-11)****Rated residual current: 30 mA**Screwless terminals for wires up to 2.5 mm<sup>2</sup>

not suitable for installation in surface caps

suitable for cables with 2 or 3 conductors

Installation into flush box with a depth of 60 mm is recommended.

Protection device with voltage-independent function. The sockets connected to the output terminals are protected acc. to DIN VDE 0100-410. The electrical installation up to the RCD is not protected!

**Thermoplastic (breakproof) high-gloss**ivory **A 5530 FIB**white **A 5530 FIB WW****Technical data**

Rated voltage: AC 230 V ~, 50/60 Hz

Rated current: 16 A

Rated residual current: 30 mA

Ambient temperature: -25 ... +40 °C

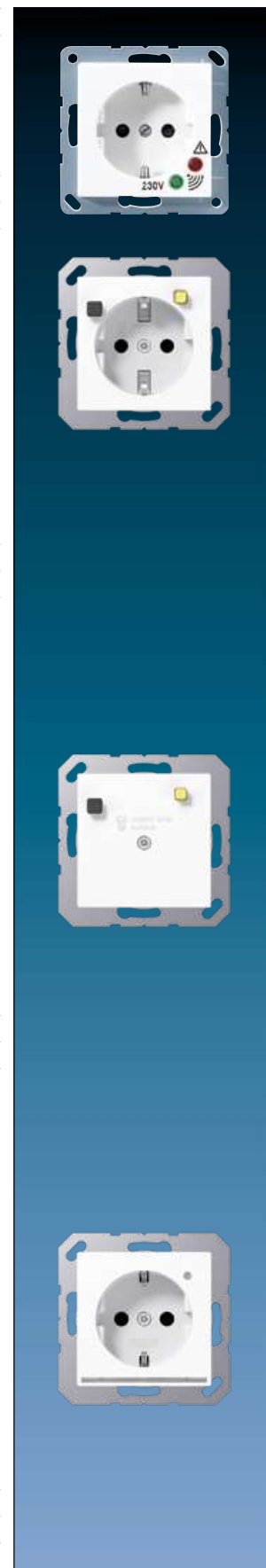
**SCHUKO® socket 16 A / 250 V ~****with LED floor pilot light****with integrated brightness sensor****with enhanced contact protection (shutter)**Screwless terminals for wires up to 2.5 mm<sup>2</sup>

Installation into flush box min. 63 mm (depth)

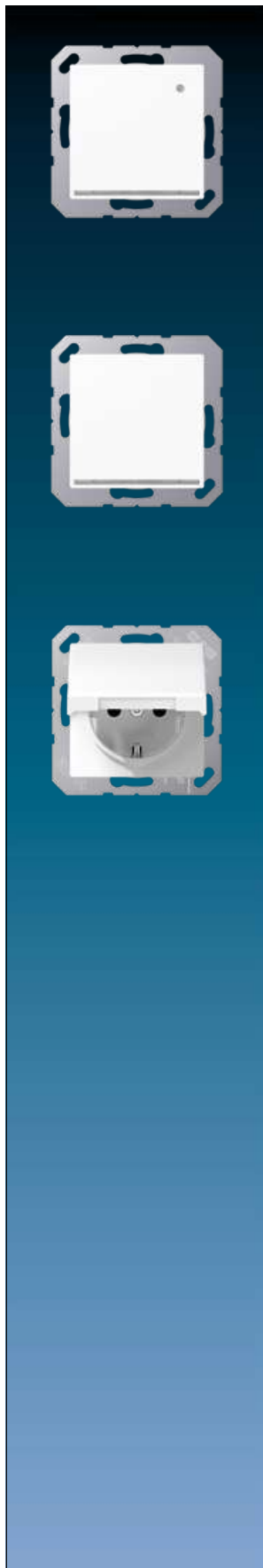
with white LEDs (colour temperature 4000 K)

Power consumption stand-by / ON: 0.3 / 0.5 W

Supporting frame, claws and claw screws are integrated into the earth protection.

**Thermoplastic (breakproof) high-gloss**ivory **A 1520-O LNW**white **A 1520-O WW LNW**

# AS range



Ref.-no.

## LED floor pilot light

### with integrated brightness sensor

Screwless terminals for wires up to 2.5 mm<sup>2</sup>

Installation into flush box min. 63 mm (depth)

with white LEDs (colour temperature 4000 K)

Power consumption stand-by / ON: 0.3 / 0.5 W

Supporting frame, claws and claw screws are integrated into the earth protection.

### Thermoplastic (breakproof) high-gloss

ivory

**A 1539-O LNW**

white

**A 1539-O WW LNW**

## LED floor pilot light

Screwless terminals for wires up to 2.5 mm<sup>2</sup>

Installation into flush box min. 63 mm (depth)

with white LEDs (colour temperature 4000 K)

Power consumption (ON): 0.5 W

The floor pilot light can be switched via an external switch.

Supporting frame, claws and claw screws are integrated into the earth protection.

### Thermoplastic (breakproof) high-gloss

ivory

**A 1539-OO LNW**

white

**A 1539-OO WW LNW**

## SCHUKO® socket 16 A / 250 V ~

### with hinged lid (with spring)

Screwless terminals for wires up to 2.5 mm<sup>2</sup>

Without claws: ref.-no. with additional "N", e.g.: ..1520 N..

With screw terminals: ref.-no. ..1521..

Supporting frame, claws and claw screws are integrated into the earth protection.

### Duroplastic (scratch-proof) glossy

ivory

**IP P**

**AS 1520 KL**

white

**IP P**

**AS 1520 KL WW**

### Thermoplastic (breakproof) high-gloss

ivory

**IP L**

**AS 1520 BFKL**

white

**IP L**

**AS 1520 BFKL WW**

blue

**IP**

**AS 1520 BFKL BL**

green

**IP**

**AS 1520 BFKL GN**

orange

**IP**

**AS 1520 BFKL O**

red

**IP**

**AS 1520 BFKL RT**

### Duroplastic (scratch-proof) glossy – antibacterial

ivory

**IP**

**ABAS 1520 KL**

white

**IP**

**ABAS 1520 KL WW**

### Thermoplastic (breakproof) high-gloss – antibacterial

green

**IP**

**ABAS 1520 BFKL GN**

orange

**IP**

**ABAS 1520 BFKL O**



Ref.-no.

**SCHUKO® socket 16 A / 250 V ~****with hinged lid (with spring)****with enhanced contact protection (shutter)**Screwless terminals for wires up to 2.5 mm<sup>2</sup>



Without claws: ref.-no. with additional "N", e.g.: ..1520 N..

With screw terminals: ref.-no. ..1521..

Supporting frame, claws and claw screws are integrated into the earth protection.


**Duroplastic (scratch-proof) glossy**


ivory	 	AS 1520 KIKL
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white	 	AS 1520 KIKL WW
-------	---	-----------------

**Thermoplastic (breakproof) high-gloss**

ivory	 	AS 1520 BFKIKL
-------	---	----------------


white	 	AS 1520 BFKIKL WW
-------	---	-------------------

green		AS 1520 BFKIKL GN
-------	---	-------------------

orange		AS 1520 BFKIKL O
--------	---	------------------


red		AS 1520 BFKIKL RT
-----	---	-------------------


**Duroplastic (scratch-proof) glossy – antibacterial**

ivory		ABAS 1520 KIKL
-------	---	----------------

white		ABAS 1520 KIKL WW
-------	---	-------------------

**Thermoplastic (breakproof) high-gloss – antibacterial**

green		ABAS 1520 KIKL GN
-------	--	-------------------

orange		ABAS 1520 KIKL O
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**SCHUKO® socket 16 A / 250 V ~****with hinged lid (with spring)**Screw terminals for wires up to 2.5 mm<sup>2</sup>

Supporting frame, claws and claw screws are integrated into the earth protection.

**Duroplastic (scratch-proof) glossy**

ivory	 	AS 1521 KL
-------	---	------------


white	 	AS 1521 KL WW
-------	---	---------------

**Thermoplastic (breakproof) high-gloss**

ivory	 	AS 1521 BFKL
-------	---	--------------

white	 	AS 1521 BFKL WW
-------	---	-----------------



green		AS 1521 BFKL GN
-------	---	-----------------

orange		AS 1521 BFKL O
--------	---	----------------

**SCHUKO® socket 16 A / 250 V ~****with hinged lid (with spring)****with enhanced contact protection (shutter)**Screw terminals for wires up to 2.5 mm<sup>2</sup>



Supporting frame, claws and claw screws are integrated into the earth protection.

**Duroplastic (scratch-proof) glossy**

ivory	 	AS 1521 KIKL
-------	---	--------------

white	 	AS 1521 KIKL WW
-------	---	-----------------

**Thermoplastic (breakproof) high-gloss**

ivory	 	AS 1521 BFKIKL
-------	---	----------------

white	 	AS 1521 BFKIKL WW
-------	---	-------------------

green		AS 1521 BFKIKL GN
-------	---	-------------------

orange		AS 1521 BFKIKL O
--------	---	------------------



# AS range



Ref.-no.

## SCHUKO® socket 16 A / 250 V ~

with hinged lid (with spring)

with pilot light (green LED) ref.-no.: 193-LED GN

with enhanced contact protection (shutter)

Screwless terminals for wires up to 2.5 mm<sup>2</sup>

Without claws: ref.-no. with additional "N", e.g.: ..1520 N..

Supporting frame, claws and claw screws are integrated into the earth protection.

### Thermoplastic (breakproof) high-gloss

ivory	IP	L	AS 1520 BFKLKO
white	IP	L	AS 1520 BFKLKO WW
green	IP		AS 1520 BFKLKO GN
orange	IP		AS 1520 BFKLKO O
red	IP		AS 1520 BFKLKO RT

### Duroplastic (scratch-proof) glossy – antibacterial

ivory	IP		ABAS 1520 KLKO
white	IP		ABAS 1520 KLKO WW

### Thermoplastic (breakproof) high-gloss – antibacterial

green	IP		ABAS 1520 KLKO GN
orange	IP		ABAS 1520 KLKO O
red	IP		ABAS 1520 KLKO RT

Spare pilot light exchangeable from the front without disconnecting the mains

## SCHUKO® socket 16 A / 250 V ~

with hinged lid (with spring)

with safety lock (24 different locks)

with enhanced contact protection (shutter)

Screwless terminals for wires up to 2.5 mm<sup>2</sup>

Without claws: ref.-no. with additional "N", e.g.: ..1520 N..

With screw terminals: ref.-no. ..1521..

Supporting frame, claws and claw screws are integrated into the earth protection.

### Thermoplastic (breakproof) high-gloss

ivory	IP	L	AS 1520 BFKLSL
white	IP	L	AS 1520 BFKLSL WW
green	IP		AS 1520 BFKLSL GN
orange	IP		AS 1520 BFKLSL O
red	IP		AS 1520 BFKLSL RT

### Key

(Spare part)

for all hinged lids with safety lock

1 piece

802 SL – 825 SL

When ordering, please indicate lock number!

## Socket, 2-pole without earth 16 A / 250 V ~



Screw terminals for wires up to 2.5 mm<sup>2</sup>

### Duroplastic (scratch-proof) glossy

ivory	P	A 511 N
white	P	A 511 N WW

Ref.-no.

**Socket, 2-pole without earth 16 A / 250 V ~  
with enhanced contact protection (shutter)**Screw terminals for wires up to 2.5 mm<sup>2</sup>**Duroplastic (scratch-proof) glossy**

ivory		<b>A 511 NKI</b>
white		<b>A 511 NKI WW</b>

**Socket for Switzerland****1-gang socket type 13**

10 A 250 V ~, L + N + PE


Screwless terminals for wires up to 2.5 mm<sup>2</sup> acc. to SEV 1011-1998/IEC 884-1

Installation in flush box according to EN 60670-1

not suitable for installation in surface caps

with supporting frame, screw fixing only

**Thermoplastic (breakproof) high-gloss**

ivory		<b>A 1520-13 BF SEV</b>
white		<b>A 1520-13 BF SEV WW</b>

**Socket insert, French/Belgian system**

2-pole + male earth pin, 16 A / 250 V ~

Supporting frame, claws and claw screws are integrated into the earth protection.

**with claws**

with screwless terminals	<b>1520 F EINS</b>
with screw terminals	<b>1521 F EINS</b>

**Socket insert, French/Belgian system**

2-pole + male earth pin, 16 A / 250 V ~

Supporting frame is integrated into the earth protection.



**without claws**

with screwless terminals	<b>1520 NF EINS</b>
with screw terminals	<b>1521 NF EINS</b>

**Centre plate**

for socket insert French/Belgian system, ref.-no.: 1520 ..F EINS, 1521 ..F EINS

**Duroplastic (scratch-proof) glossy**

ivory		<b>A 1521 F PL-1</b>
white		<b>A 1521 F WW PL-1</b>

**Centre plate**

for socket insert French/Belgian system, ref.-no.: 1520 ..F EINS, 1521 ..F EINS

**with enhanced contact protection (shutter)****Duroplastic (scratch-proof) glossy**



ivory		<b>A 1521 FKI PL-1</b>
white		<b>A 1521 FKI WW PL-1</b>

**Centre plate**

with hinged lid (with spring)

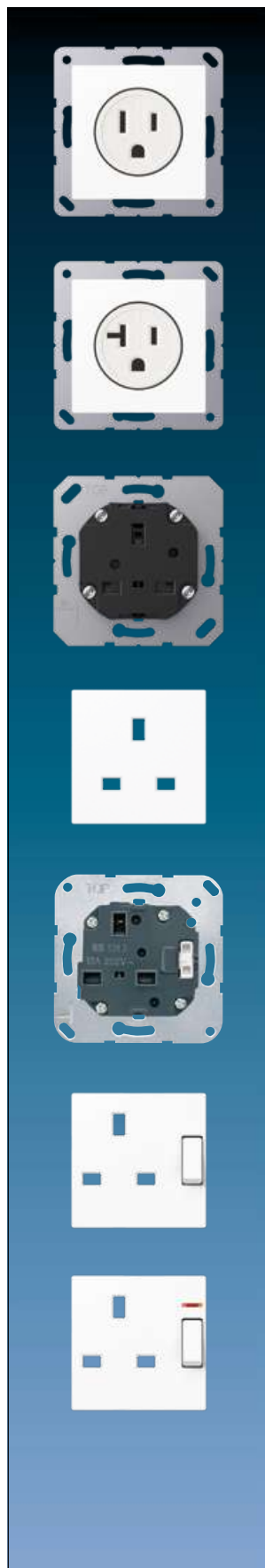
for socket insert French/Belgian system, ref.-no.: 1520 ..F EINS, 1521 ..F EINS

**with enhanced contact protection (shutter)****Duroplastic (scratch-proof) glossy**

ivory	 	<b>A 1521 FKIKL PL-1</b>
white	 	<b>A 1521 FKIKL WW PL1</b>



# AS range



	Ref.-no.
<b>Socket US NEMA system</b> <b>15 A, 125 V ~, 5-15R, 2-pole + earth</b> Screw terminals for wires up to 4 mm <sup>2</sup> acc. to US-NEMA <b>Thermoplastic (breakproof) high-gloss</b>	
	ivory <b>A 521-15</b>
	white <b>A 521-15 WW</b>
<b>Socket US NEMA system</b> <b>20 A, 125 V ~, 5-20R, 2-pole + earth</b> Screw terminals for wires up to 4 mm <sup>2</sup> acc. to US-NEMA <b>Thermoplastic (breakproof) high-gloss</b>	
	ivory <b>A 521-20</b>
	white <b>A 521-20 WW</b>
<b>Socket insert British Standard 1363</b> <b>13 A 250 V ~</b> 2-pole + earth, with enhanced contact protection (shutter) Screw terminals for wires up to 4 mm <sup>2</sup>	
	without switch <b>3521 EINS</b>
<b>Centre plate</b> for socket insert ref.-no. 3521 EINS <b>Duroplastic (scratch-proof) glossy</b>	
	ivory <b>A 3521 PL</b>
	white <b>A 3521 WW PL</b>
<b>Switched socket insert British Standard 1363</b> <b>13 A 250 V ~</b> 2-pole + earth, with enhanced contact protection (shutter) Screw terminals for wires up to 4 mm <sup>2</sup>	
	without indicator light <b>3171 EINS</b>
	with indicator light <b>3171 KO EINS</b>
<b>Centre plate</b> for socket insert ref.-no. 3171 EINS <b>Duroplastic (scratch-proof) glossy</b>	
	ivory <b>A 3171 PL</b>
	white <b>A 3171 WW PL</b>
<b>Centre plate</b> for socket insert ref.-no. 3171 KO EINS <b>Duroplastic (scratch-proof) glossy</b>	
	ivory <b>A 3171 KO PL</b>
	white <b>A 3171 KO WW PL</b>

	Ref.-no.
<b>Socket insert British Standard 546</b> <b>5 A 250 V ~</b> 2-pole + earth, with enhanced contact protection (shutter) Screw terminals for wires up to 4 mm <sup>2</sup> without switch	<b>3171-5 EINS</b>
<b>Centre plate</b> for socket insert ref.-no. 3171-5 EINS <b>Duroplastic (scratch-proof) glossy</b> ivory white	<b>A 3171-5 PL</b> <b>A 3171-5 WW PL</b>
<b>Socket insert for China</b> consisting of: 2-pole without earth for flat and rounded pins and 2-pole with earth only for flat pins with enhanced contact protection (shutter) Screw terminals for wires up to 4 mm <sup>2</sup> screw fixing only, without claws Supporting frame is integrated into the earth protection. without switch	<b>3521-5 CN EINS</b>
<b>Centre plate</b> for Chinese socket combination, ref.-no. 3521-5 CN EINS <b>Duroplastic (scratch-proof) glossy</b> ivory white <b>Thermoplastic (breakproof) high-gloss</b> white	<b>P A 3521-5 CNPL</b> <b>P A 3521-5 CN WW PL</b> <b>L A 3521-5 CNBF WW PL</b>
<b>Socket insert for India</b> <b>16 A 250 V ~</b> 2-pole + earth, with enhanced contact protection (shutter) Screw terminals for wires up to 4 mm <sup>2</sup> without switch	<b>521 IN-EINS</b>
<b>Centre plate</b> for socket insert for India, ref.-no. 521 IN-EINS <b>Duroplastic (scratch-proof) glossy</b> ivory white	<b>A 521 IN PL</b> <b>A 521 IN WW PL</b>



# AS range



	Ref.-no.
<b>Switched cable unit with fuse</b> <b>2-pole, 13 A 250 V ~</b> with indicator light Screw terminals for wires up to 4 mm <sup>2</sup>	
	<b>3190 CU KO EINS</b>
<b>Centre plate</b> for switched cable unit ref.-no. 3190 CU KO EINS ivory	<b>A 3190 CU KO PL</b>
white	<b>A 3190 CU KO WW PL</b>
<b>SCHUKO® socket 16 A / 250 V ~</b> <b>with 1-gang / 2-way switch 10 AX / 250 V ~</b> to be installed into one flush box with 60 mm Ø Screw terminals for wires up to 2.5 mm <sup>2</sup> Without claws: ref.-no. with additional "E", e.g.: AS 5576 EU dimensions: 80.5 x 105 mm <b>Duroplastic (scratch-proof) glossy</b>	
ivory	<b>AS 5576 U</b>
white	<b>AS 5576 U WW</b>
(2-way switch circuit possible with ref.-no. 506 U or 506 TU.)	
<b>SCHUKO® socket 16 A / 250 V ~</b> <b>with 2-gang switch 10 AX / 250 V ~</b> to be installed into one flush box with 60 mm Ø Screw terminals for wires up to 2.5 mm <sup>2</sup> screw fixing only, without claws dimensions: 80.5 x 105 mm <b>Duroplastic (scratch-proof) glossy</b>	
ivory	<b>AS 5575 EU</b>
white	<b>AS 5575 EU WW</b>
<b>2-gang SCHUKO® socket 16 A / 250 V ~</b> to be installed into one flush box with 60 mm Ø Screwless terminals for wires up to 2.5 mm <sup>2</sup> Without claws: ref.-no. with additional "N", e.g.: ..1520 N.. dimensions: 80.5 x 105 mm <b>Duroplastic (scratch-proof) glossy</b>	
ivory	<b>AS 5020 U</b>
white	<b>AS 5020 U WW</b>

Ref.-no.

**2-gang SCHUKO® socket 16 A / 250 V ~****with enhanced contact protection (shutter)**

to be installed into one flush box with 60 mm Ø

Screwless terminals for wires up to 2.5 mm<sup>2</sup>

Without claws: ref.-no. with additional "N", e.g.: ..1520 N..

dimensions: 80.5 x 105 mm

**Duroplastic (scratch-proof) glossy**

ivory

AS 5020 KIU

white

AS 5020 KIU WW

**2-gang SCHUKO® socket 16 A / 250 V ~**

to be installed into one flush box with 60 mm Ø

Screw terminals for wires up to 2.5 mm<sup>2</sup>

dimensions: 80.5 x 105 mm

**Duroplastic (scratch-proof) glossy**

ivory

AS 5022 U

white

AS 5022 U WW

**with enhanced contact protection (shutter)****Duroplastic (scratch-proof) glossy**

ivory

AS 5022 KIU

white

AS 5022 KIU WW

**Socket, 2-pole without earth 16 A / 250 V ~****with 1-gang/2-way switch 10 AX / 250 V ~**

to be installed into one flush box with 60 mm Ø

Screw terminals for wires up to 2.5 mm<sup>2</sup>

dimensions: 80.5 x 105 mm

**Duroplastic (scratch-proof) glossy**

ivory

AS 5546 EU

white

AS 5546 EU WW

(2-way switch circuit possible with ref.-no. 506 U or 506 TU.)

**Socket, 2-pole without earth 16 A / 250 V ~****with 2-gang switch 10 AX / 250 V ~**

to be installed into one flush box with 60 mm Ø

Screw terminals for wires up to 2.5 mm<sup>2</sup>

dimensions: 80.5 x 105 mm

**Duroplastic (scratch-proof) glossy**

ivory

AS 5545 EU

white

AS 5545 EU WW

**2-gang socket, 2-pole without earth 16 A / 250 V ~**

to be installed into one flush box with 60 mm Ø

Screwless terminals for wires up to 2.5 mm<sup>2</sup>**Duroplastic (scratch-proof) glossy**

ivory

AS 5010 U

white

AS 5010 U WW

**with enhanced contact protection (shutter)****Duroplastic (scratch-proof) glossy**



ivory

AS 5010 KIU








white

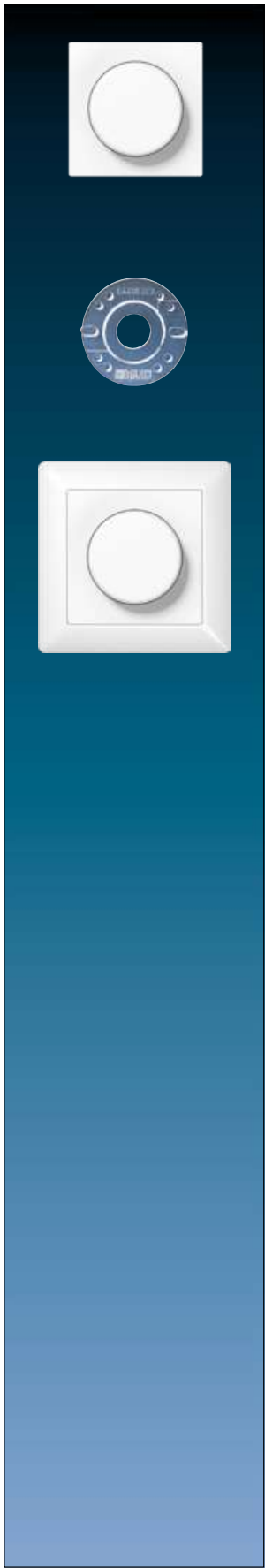
AS 5010 KIU WW



	Ref.-no.
<b>SCHUKO® socket for cable ducts 16 A / 250 V ~</b>	
<b>wired</b>	
Screwless terminals for wires up to 2.5 mm <sup>2</sup>	
Cover with integrated frame	
for installation into cable duct boxes	
Supporting frame is integrated into the earth protection.	
dimensions: 80.5 x 151.5 mm	
<b>2-gang</b>	
<b>Duroplastic (scratch-proof) glossy</b>	
ivory	AS 1522
white	AS 1522 WW
<b>Thermoplastic (breakproof) high-gloss</b>	
ivory	AS 1522 BF
white	AS 1522 BF WW
<b>with 1 inscription field 12 x 55.5 mm</b>	
<b>2-gang</b>	
<b>Duroplastic (scratch-proof) glossy</b>	
ivory	AS 1522 NA
white	AS 1522 NA WW
	
<b>SCHUKO® socket for cable ducts 16 A / 250 V ~</b>	
Screwless terminals for wires up to 2.5 mm <sup>2</sup>	
Cover with integrated frame	
for installation into cable duct boxes	
dimensions: 80.5 x 151.5 mm	
<b>3-gang</b>	
<b>Duroplastic (scratch-proof) glossy</b>	
ivory	AS 523
white	AS 523 WW
<b>Thermoplastic (breakproof) high-gloss</b>	
ivory	AS 523 BF
white	AS 523 BF WW
	



Ref.-no.		
<b>Centre plate with knob</b>		
for rotary dimmer inserts ref.-no.: 1730 DD, 1731 DD, 211 GDE		
for satellite dimmer insert ref.-no.: 1733 DNE		
for electronic potentiometer 1–10 V ref.-no.: 240-10		
for DALI rotary controllers ref.-no.: 1740 DSTE, 1741 DSTE		
<b>Duroplastic (scratch-proof) glossy</b>		
ivory	 	<b>A 1540</b>
white	 	<b>A 1540 WW</b>
<b>Sealing gasket</b>		
for covers for rotary dimmer inserts		
		<b>140 D</b>
To obtain protection level IP 44 the sealing gasket ref.-no.: 140 D has to be placed into the centre plate for rotary dimmer and IP 44 frame has to be used.		
<b>Rotary dimmer LED with rotary on/off</b>		
with cover and integrated frame		
without satellite input		
<b>Duroplastic (scratch-proof) glossy</b>		
ivory		<b>AS 5544.03 V</b>
white		<b>AS 5544.03 V WW</b>
single device, not suitable for combinations		
<b>Technical data</b>		
Rated voltage:	AC 230 V ~	
Mains frequency:	50 Hz	
Stand-by power:	approx. 0.2 W	
Power loss:	approx. 3.7 W	
Ambient temperature:	–5 ... +45 °C	
Connected load at 25 °C		
Incandescent lamps:	20 ... 200 W	
HV halogen lamps:	20 ... 200 W	
Dimmable HV LED lamps:	typical 3 ... 40 W	
Ohmic and HV LED:	typical 3 ... 40 W	
Reduction of load		
Surface mounting:	–5 %	
for every 5 °C exceeded 35 °C:	–10 %	
for installation into wooden or hollow walls:	–15 %	
Fine-wire fuse:	T 800 mA H 250	
Connection mode:	screw terminals	
single wire:	1 x 0.5 ... 2.5 mm <sup>2</sup>	
stranded without ferrule:	1 x 0.5 ... 2.5 mm <sup>2</sup>	
stranded with ferrule:	1 x 0.5 ... 2.5 mm <sup>2</sup>	
2-way switch circuit:	not possible	



# AS range



Ref.-no.

## Standard centre plate

for LB Management inserts "blinds" ref.-no.: 1730 JE and 1731 JE

for LB Management inserts "light"

ref.-no.: 1701 SE, 1704 ESE, 1702 SE, 1710 DE, 1711 DE, 1713 DSTE, 1720 NE, 1723 NE, 1708 IE

### Duroplastic (scratch-proof) glossy

ivory

**AS 1700**

white

**AS 1700 WW**

## Standard centre plate "arrows"

for LB Management inserts "blinds" ref.-no.: 1730 JE and 1731 JE

for LB Management inserts "light"

ref.-no.: 1701 SE, 1704 ESE, 1702 SE, 1710 DE, 1711 DE, 1713 DSTE, 1720 NE, 1723 NE, 1708 IE

### Duroplastic (scratch-proof) glossy

ivory

**AS 1700 P**

white

**AS 1700 P WW**

## Universal centre plate

for LB Management inserts "blinds" ref.-no.: 1730 JE and 1731 JE

for LB Management inserts "light"

ref.-no.: 1701 SE, 1704 ESE, 1702 SE, 1710 DE, 1711 DE, 1713 DSTE, 1723 NE

### Duroplastic (scratch-proof) glossy

ivory

**AS 1701**

white

**AS 1701 WW**

## Universal centre plate "arrows"

for LB Management inserts "blinds" ref.-no.: 1730 JE and 1731 JE

for LB Management inserts "light"

ref.-no.: 1701 SE, 1704 ESE, 1702 SE, 1710 DE, 1711 DE, 1713 DSTE, 1723 NE

### Duroplastic (scratch-proof) glossy

ivory

**AS 1701 P**

white

**AS 1701 P WW**

## Standard centre plate 2-gang

for LB Management inserts "light" ref.-no.: 1702 SE, 1712 DE, 1713 DSTE, 1723 NE

### Duroplastic (scratch-proof) glossy

ivory

**AS 1702**

white

**AS 1702 WW**

## Standard timer with display

for LB Management inserts "blinds" ref.-no.: 1730 JE and 1731 JE

for LB Management inserts "light"

ref.-no.: 1701 SE, 1704 ESE, 1702 SE, 1710 DE, 1711 DE, 1713 DSTE, 1723 NE

white

**A 1750 D WW**

black

**A 1750 D SW**

	Ref.-no.
<b>Universal timer Bluetooth</b>	
for LB Management inserts "blinds" ref.-no.: 1730 JE and 1731 JE	
for LB Management inserts "light"	
ref.-no.: 1701 SE, 1704 ESE, 1702 SE, 1710 DE, 1711 DE, 1713 DSTE, 1723 NE	
<b>Duroplastic (scratch-proof) glossy</b>	
ivory	<b>AS 1751 BT</b>
white	<b>AS 1751 BT WW</b>
<b>Universal timer Bluetooth "arrows"</b>	
for LB Management inserts "blinds" ref.-no.: 1730 JE and 1731 JE	
for LB Management inserts "light"	
ref.-no.: 1701 SE, 1704 ESE, 1702 SE, 1710 DE, 1711 DE, 1713 DSTE, 1723 NE	
<b>Duroplastic (scratch-proof) glossy</b>	
ivory	<b>AS 1751 PBT</b>
white	<b>AS 1751 PBT WW</b>
<b>eNet Standard radio centre plate</b>	
for LB Management inserts "blinds" ref.-no.: 1730 JE and 1731 JE	
for LB Management inserts "light"	
ref.-no.: 1701 SE, 1704 ESE, 1702 SE, 1710 DE, 1711 DE, 1713 DSTE, 1723 NE	
<b>Duroplastic (scratch-proof) glossy</b>	
ivory	<b>FM AS 1700</b>
white	<b>FM AS 1700 WW</b>
<b>eNet Standard radio centre plate "arrows"</b>	
for LB Management inserts "blinds" ref.-no.: 1730 JE and 1731 JE	
for LB Management inserts "light"	
ref.-no.: 1701 SE, 1704 ESE, 1702 SE, 1710 DE, 1711 DE, 1713 DSTE, 1723 NE	
<b>Duroplastic (scratch-proof) glossy</b>	
ivory	<b>FM AS 1700 P</b>
white	<b>FM AS 1700 P WW</b>
<b>eNet radio centre plate</b>	
for LB Management inserts "blinds" ref.-no.: 1730 JE and 1731 JE	
for LB Management inserts "light"	
ref.-no.: 1701 SE, 1704 ESE, 1702 SE, 1710 DE, 1711 DE, 1713 DSTE, 1723 NE	
<b>Duroplastic (scratch-proof) glossy</b>	
ivory	<b>FM AS 1701</b>
white	<b>FM AS 1701 WW</b>
<b>eNet radio centre plate "arrows"</b>	
for LB Management inserts "blinds" ref.-no.: 1730 JE and 1731 JE	
for LB Management inserts "light"	
ref.-no.: 1701 SE, 1704 ESE, 1702 SE, 1710 DE, 1711 DE, 1713 DSTE, 1723 NE	
<b>Duroplastic (scratch-proof) glossy</b>	
ivory	<b>FM AS 1701 P</b>
white	<b>FM AS 1701 P WW</b>



# AS range



Ref.-no.	
<b>Standard automatic switch 1.1 m</b>	
for LB Management inserts "light"	
ref.-no.: 1701 SE, 1704 ESE, 1702 SE, 1710 DE, 1711 DE, 1713 DSTE, 1723 NE, 1708 IE	
<b>Thermoplastic (breakproof) high-gloss</b>	
ivory	<b>A 17180</b>
white	<b>A 17180 WW</b>
<b>Standard automatic switch 1.1 m</b>	
for LB Management inserts "light"	
ref.-no.: 1701 SE, 1704 ESE, 1702 SE, 1710 DE, 1711 DE, 1713 DSTE, 1723 NE, 1708 IE	
<b>IP 44 suitable only for indoor installation</b>	
<b>Thermoplastic (breakproof) high-gloss</b>	
ivory	<b>A 17180 WU</b>
white	<b>A 17180 WU WW</b>
<b>Standard automatic switch 2.2 m</b>	
for LB Management inserts "light"	
ref.-no.: 1701 SE, 1704 ESE, 1702 SE, 1710 DE, 1711 DE, 1713 DSTE, 1723 NE, 1708 IE	
<b>IP 44 suitable only for indoor installation</b>	
<b>Thermoplastic (breakproof) high-gloss</b>	
ivory	<b>A 17280</b>
white	<b>A 17280 WW</b>
<b>Universal automatic switch 1.1 m</b>	
for LB Management inserts "light"	
ref.-no.: 1701 SE, 1704 ESE, 1702 SE, 1710 DE, 1711 DE, 1713 DSTE, 1723 NE, 1708 IE	
<b>Thermoplastic (breakproof) high-gloss</b>	
ivory	<b>A 17181</b>
white	<b>A 17181 WW</b>
<b>Universal automatic switch 1.1 m</b>	
for LB Management inserts "light"	
ref.-no.: 1701 SE, 1704 ESE, 1702 SE, 1710 DE, 1711 DE, 1713 DSTE, 1723 NE, 1708 IE	
<b>IP 44 suitable only for indoor installation</b>	
<b>Thermoplastic (breakproof) high-gloss</b>	
ivory	<b>A 17181 WU</b>
white	<b>A 17181 WU WW</b>
<b>Universal automatic switch 2.2 m</b>	
for LB Management inserts "light"	
ref.-no.: 1701 SE, 1704 ESE, 1702 SE, 1710 DE, 1711 DE, 1713 DSTE, 1723 NE, 1708 IE	
<b>IP 44 suitable for indoor and outdoor installation</b>	
<b>Thermoplastic (breakproof) high-gloss</b>	
ivory	<b>A 17281</b>
white	<b>A 17281 WW</b>
<b>Sealing kit</b>	
for automatic switches 2.2 m of the AS / A ranges	
	<b>AS A 50 DS</b>

To obtain protection level IP 44

Ref.-no.

**Electronic timer, 230 V~, 1500 VA**

The device is operated simply by pressing the button. After a previously set time delay the timer switches off automatically. The activated time delay can be stopped by pressing the button again.

1-pole switch contact, with status LED, satellite operation possible

incl. 1-gang frame with inscription field and labels for various time periods

**time delay 1 – 60 min.****Duroplastic (scratch-proof) glossy**

ivory	P	AS 1060 ET
white	P	AS 1060 ET WW

**time delay 1 – 8 hours****Duroplastic (scratch-proof) glossy**

ivory	P	AS 10.480 ET
white	P	AS 10.480 ET WW

**Timer switch 16 AX / 250 V ~**

Screw terminals for wires up to 4 mm<sup>2</sup>

incl. surface cap with inscription field 12 x 55.5 mm and scale disc

accuracy ± 10 %

white	2-pole, 1-way	max. 15 minutes	P	W 11015 A WW
	2-pole, 1-way	max. 30 minutes	P	W 11030 A WW
	1-pole, 2-way	max. 30 minutes	P	W 11030-20 A WW
	2-pole, 1-way	max. 60 minutes	P	W 11060 A WW
	2-pole, 1-way	max. 120 minutes	P	W 110.120 A WW
	1-pole, 2-way	max. 120 minutes	P	W 110.120-20 A WW
	2-pole, 1-way	max. 240 minutes	P	W 110.240 A WW
	2-pole, 1-way	max. 360 minutes	P	W 110.360 A WW
	2-pole, 1-way	max. 720 minutes	P	W 110.720 A WW

**Awning control, AeroTec 04****Thermoplastic (breakproof) high-gloss**

white	AT 04 WW
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The AeroTec timer may be used to operate sun protection systems **only**.

**Intermediate frame to install "AeroTec 04"****in AS and A ranges**

white	A AT 581 Z WW
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**Room thermostat (1-way contact)**

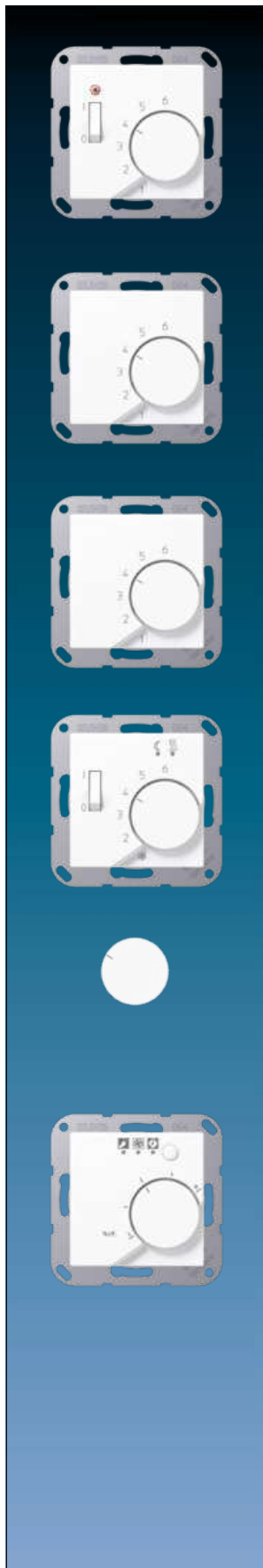
1-pole NC contact 10 (4) A, AC 230 V ~, 50/60 Hz

**Thermoplastic (breakproof) high-gloss**

ivory	TR A 231
white	TR A 231 WW



# AS range

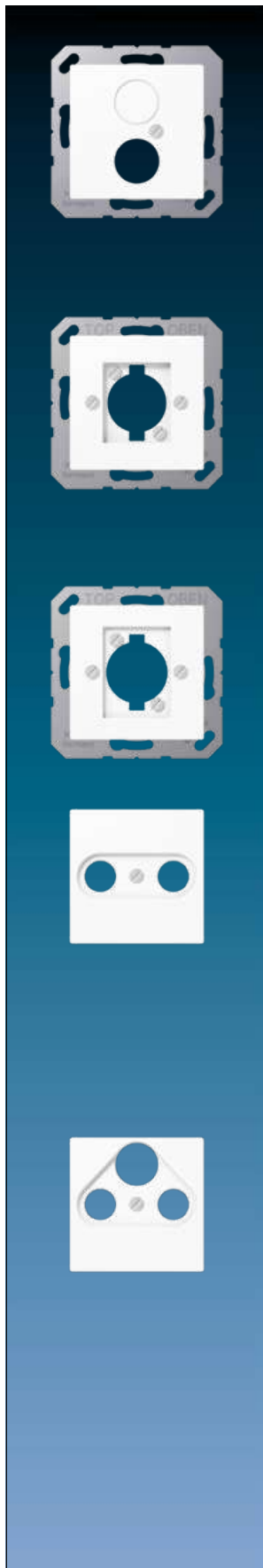


Ref.-no.	
<b>Room thermostat (1-way contact)</b>	
1-pole NC contact 10 (4) A, AC 24 V ~	
<b>Thermoplastic (breakproof) high-gloss</b>	
ivory	<b>TR A 241</b>
white	<b>TR A 241 WW</b>
<b>Room thermostat (2-way contact)</b>	
1-pole, 2-way, heating 10 (4) A, AC 230 V ~, 50/60 Hz	
1-pole, 2-way, cooling 5 (2) A, AC 230 V ~, 50/60 Hz	
For switching between heating/cooling the EBERLE terminal strip EV..H/K is necessary.	
<b>Thermoplastic (breakproof) high-gloss</b>	
ivory	<b>TR A 236</b>
white	<b>TR A 236 WW</b>
<b>Room thermostat (2-way contact)</b>	
1-pole, 2-way, heating 10 (4) A, AC 24 V ~	
1-pole, 2-way, cooling 5 (2) A, AC 24 V ~	
<b>Thermoplastic (breakproof) high-gloss</b>	
ivory	<b>TR A 246</b>
white	<b>TR A 246 WW</b>
<b>Floor thermostat</b>	
1-pole NO contact 10 A, AC 230 V ~, 50/60 Hz	
<b>Thermoplastic (breakproof) high-gloss</b>	
ivory	<b>FTR A 231</b>
white	<b>FTR A 231 WW</b>
<b>Special knob, manipulation-proof</b>	
ivory	<b>MS TR 231</b>
white	<b>MS TR 231 WW</b>
The set temperature can no longer be changed after the knob has been "locked".	
Dismounting only possible with tool.	
<b>Humidistat</b>	
<b>Thermoplastic (breakproof) high-gloss</b>	
ivory	<b>A 5201 HYG</b>
white	<b>A 5201 HYG WW</b>

	Ref.-no.
<b>Room thermostat with display standard</b>	
consists of room thermostat insert (ref.-no.: 1790 RTR) and display (ref.-no.: .. 1790 D ..)	
white	TR D A 1790 WW
black	TR D A 1790 SW
<b>External temperature sensor</b>	
for room thermostat ref.-no. 1790 RTR, TR D .. 1790 .. spare part for floor thermostat ref.-no. FTR .. 231 ..	
	FF 7.8
Also suitable as external temperature sensor for the following KNX devices, ref.-no.: .. 2178 TS .., .. 2178 ORTS .., .. 5192 KRM TS D, .. 5194 KRM TS D, 2177 SV R, 23066 REGHE	
<b>Technical data</b>	
NTC sensor in plastic cap 7.8 mm Ø	
Cable length:	4 m
Ambient temperature:	-25 ... +70 °C
<b>Temperature controller fan coil, 2-pipe</b>	
white	TRD A 523028 WW
black	TRD A 523028 SW
<b>Temperature controller fan coil, 4-pipe</b>	
white	TRD A 523048 WW
black	TRD A 523048 SW
Cover kits F50 see as of page 662	
Cover kits F40 see as of page 671	



# AS range



Ref.-no.	
<b>Centre plate</b> with supporting frame, screw fixing only <b>for 2 loudspeaker sockets</b> up to 18.5 mm Ø or with flange mounting 22.5 mm hole spacing. In connection with mounting plate ref.-no. 63 WBT (not included) for loudspeaker terminal ref.-no. LPK 63 RT/SW and RCA socket ref.-no. CIB 63. <b>Second hole can be broken out.</b> <b>Duroplastic (scratch-proof) glossy</b>	
ivory	<b>A 562</b>
white	<b>A 562 WW</b>
<b>Centre plate</b> with supporting frame, screw fixing only for loudspeaker socket ref.-no.: PB 4 for chassis connector ref.-no.: CXLR-S, CXLR-D for XLR chassis Neutrik D / DL / DLX Series internal dimensions (W x H): 27.5 x 32.5 mm <b>Thermoplastic (breakproof) high-gloss</b>	
ivory	<b>A 568-1 BF</b>
white	<b>A 568-1 BF WW</b>
<b>Centre plate for XLR socket</b> with supporting frame, screw fixing only e.g. Binder, Cannon, Neutrik (P Series) internal dimensions (W x H): 27.5 x 37 mm <b>Thermoplastic (breakproof) high-gloss</b>	
ivory	<b>A 568 BF</b>
white	<b>A 568 BF WW</b>
<b>Centre plate</b> for TV-FM sockets ref.-no.: EDU 04 F, GEDU 10, GEDU 15 <b>Duroplastic (scratch-proof) glossy</b>	
ivory	<b>A 561 PLTV</b>
white	<b>A 561 PLTV WW</b>
<b>Thermoplastic (breakproof) high-gloss</b>	
ivory	<b>A 561 BFPLTV</b>
white	<b>A 561 BFPLTV WW</b>
<b>Duroplastic (scratch-proof) glossy – antibacterial</b>	
ivory	<b>ABA 561 PLTV</b>
white	<b>ABA 561 PLTV WW</b>
<b>Centre plate</b> for SAT-TV-FM socket outlet inserts ref.-no.: EDA 302 F, GDA 313 F for standard SAT-TV-FM sockets <b>Duroplastic (scratch-proof) glossy</b>	
ivory	<b>A 561 PLSAT</b>
white	<b>A 561 PLSAT WW</b>
<b>Thermoplastic (breakproof) high-gloss</b>	
ivory	<b>A 561 BFPLSAT</b>
white	<b>A 561 BFPLSAT WW</b>



Ref.-no.

**Smart TV socket**

with supporting frame, screw fixing only

**Cover with snap-on fixing and shutter with spring**

including universal modular jack socket ref.-no.: UMA-CAT6A and IEC plug module for antenna cables

**Thermoplastic (breakproof) high-gloss**

white

**MMD A 4521 WW****Technical data**

Specification IEC plug module

External connection: coaxial plug IEC 60169-2

Internal connection: F socket IEC 60169-24

Impedance: 75 Ohm

Frequency range: 5 ... 2,400 MHz

Attenuation: 0.0 dB

Installation depth not considering cables

Universal modular jack socket: 40 mm

IEC plug module: 30 mm

Use right angle plug.

Consider bending radius. Ensure sufficient installation space.

**Electronic door signal AC 8 – 12 V ~ / DC 12 – 17 V**

with supporting frame, screw fixing only

**Thermoplastic (breakproof) high-gloss**

ivory

**A 567 S**

white

**A 567 S WW****Technical data**

Loudness:

approx. 82 dB(A) (sound 1, approx. 800 Hz), distance 1 m

and AC 12 V ~ (Piezo, with sound generator)

approx. 96 dB(A) (sound 2, approx. 3000 Hz), distance 1 m

and AC 12 V ~ (Piezo, with sound generator)

Terminals:

~ 1 sound 1 (approx. 800 Hz)

~ 2 sound 2 (approx. 3,000 Hz)

Current consumption:

approx. 24 mA at AC 12 V ~

approx. 12 mA at DC 12 V

**Triple-tone door signal**

with supporting frame, screw fixing only

**Thermoplastic (breakproof) high-gloss**

ivory

**A 567-G3**

white

**A 567-G3 WW**

2 separate terminals for 2 or 3 tone signal

power supply: 8 ... 12 V AC or 8 ... 24 V DC, via external power supply (SELV)

e.g. ref.-no. NT 2405 VDC or NT 2415 REG VDC

current consumption: approx. 150 mA

**Cable outlet**

with supporting frame, screw fixing only

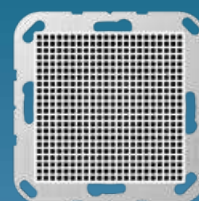
opening for cables with max. 8 mm Ø

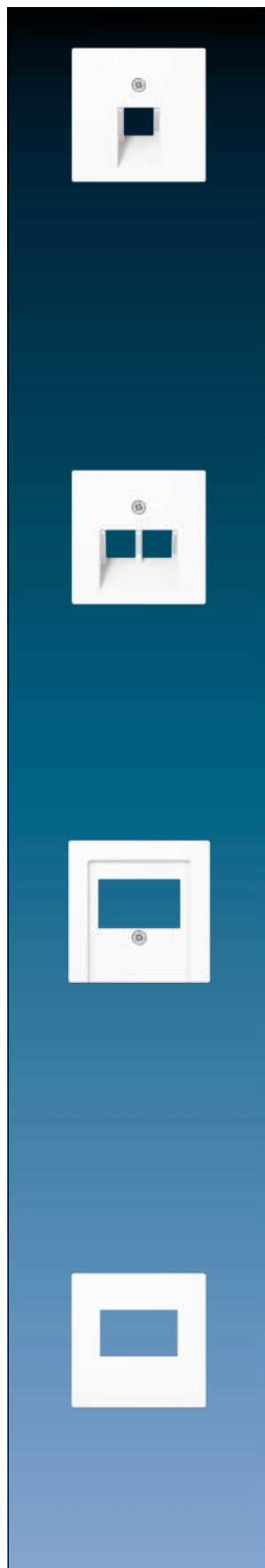
**Duroplastic (scratch-proof) glossy**

ivory

**AS 590 A**

white

**AS 590 A WW**



Ref.-no.

## Centre plate

for 1-gang modular jack sockets

IAE/UAE sockets ref.-no.: UAE 8 UPO

for sockets Cat. 6 ref.-no.: UAE 8 UPOK6  
(1 x 8-pol.)

for WLAN access point ref.-no.: WLAN-AC-UAE, WLAN-AC-POE-UAE

## Duroplastic (scratch-proof) glossy

ivory		<b>A 569-1 PLUA</b>
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white		<b>A 569-1 PLUA WW</b>
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## Thermoplastic (breakproof) high-gloss

ivory		<b>A 569-1 BFPLUA</b>
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white		<b>A 569-1 BFPLUA WW</b>
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Suitable inserts:

Rutenbeck: UAE 8(4) UPO, UAE 8(8) UPO, UAE-Cat.5e-8 UPO OK, UAE-real.Cat.6-8 UPO OK

Telegärtner: AMJ 45, UMJ 45 and ISDN 1 x RJ 45 (TYP 8)

## Centre plate


for 2-gang modular jack sockets


IAE/UAE sockets ref.-no.: UAE 2 x 8 UPO, UAE 8-8 UPO

for sockets Cat. 6 ref.-no.: UAE 8-8 UPOK6  
(2 x 8-pol.)

for media converter 2-gang ref.-no.: MK-POF-2UAE

## Thermoplastic (breakproof) high-gloss

ivory		<b>A 569-2 BFPLUA</b>
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white		<b>A 569-2 BFPLUA WW</b>
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Suitable inserts:

METZ CONNECT (BTR): 1307441001-i or 1307441200-i; E-Dat design 8/8(8), Class E

Rutenbeck: UAE 8/8 (8/8) UPO, UAE 2x8 (8) UPO, UAE-Cat.5e-8/8 UPO OK, UAE-real.Cat.6-8/8 UPO OK

Telegärtner: AMJ 45, UMJ 45 and ISDN 2 x RJ 45 (TYP 8/8)


## Centre plate (screw fixing)

for stereo loudspeaker socket ref.-no.: SLA 2 WW, SLA 2 AN

for 2-gang supporting frame ref.-no.: UMA-MA2 in connection with universal modular jack socket type A  
ref.-no.: UMA-CAT6A

## Duroplastic (scratch-proof) glossy

ivory		<b>A 569 PLT</b>
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white		<b>A 569 PLT WW</b>
-------	---	---------------------

## Thermoplastic (breakproof) high-gloss

ivory		<b>A 569 BFPLT</b>
-------	---	--------------------

white		<b>A 569 BFPLT WW</b>
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## Duroplastic (scratch-proof) glossy – antibacterial

ivory		<b>ABA 569 PLT</b>
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white		<b>ABA 569 PLT WW</b>
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for **Rutenbeck**: UM-MA 2 Up with UM-real Cat.6a A

for **Dätwyler**: flush-mounted modular jack socket (for 2 x MS-K 1/8 Cat.6a), ref.-no.: 440 012

## Centre plate (snap-on fixing)

for USB charger ref.-no.: USB 15 CA WW, USB 15 CA SW

## Thermoplastic (breakproof) high-gloss

ivory		<b>A 1569 USB</b>
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white		<b>A 1569 USB WW</b>
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USB charger see page 72

Ref.-no.	
<b>Centre plate</b> with supporting frame, screw fixing only <b>for D-subminiature sockets ref.-no.: D SUB 9</b> (mounting plate ref.-no. D 9 necessary) <b>for D-subminiature socket 15-pole</b> (mounting plate ref.-no. D 15 necessary) <b>for 1 socket</b> <b>Thermoplastic (breakproof) high-gloss</b>	
ivory	 A 594-1915
white	 A 594-1915 WW
<b>Centre plate</b> with supporting frame, screw fixing only <b>for D-subminiature socket 25-pole</b> <b>for 1 socket</b> <b>Thermoplastic (breakproof) high-gloss</b>	
ivory	 A 594-125
white	 A 594-125 WW
<b>Centre plate with inscription field 9 x 51 mm</b> for mounting adapter 30° ref.-no.: 3069.. <b>Thermoplastic (breakproof) high-gloss</b>	
ivory	A 569-30 BF PL
white	A 569-30 BF PL WW
<b>Centre plate (snap-on fixing)</b> with supporting frame, screw fixing only for universal modular jack socket ref.-no.: UMA-CAT6A <b>Shutter with spring</b> <b>for 1 socket</b> <b>Thermoplastic (breakproof) high-gloss</b>	
ivory	 A 1569-1 WE
white	 A 1569-1 WE WW
<b>for 2 sockets</b> <b>Thermoplastic (breakproof) high-gloss</b>	
ivory	 A 1569-2 WE
white	 A 1569-2 WE WW
for modular jack sockets <b>RADIAL:</b> modular jack unshielded 6P6C, RJ 12, Cat. 4 (ref.-no. R280MOD804) modular jack unshielded 8P8C, RJ 45, Cat. 4 (ref.-no. R280MOD805) modular jack unshielded 8P8C, RJ 45, Cat. 5e (ref.-no. R280MOD807) <b>Panduit:</b> keystone jack KJ 88.. keystone jack KJ 588.. <b>Assmann:</b> module DN-93612 Cat. 6A, shielded, Keystone module DN-93614 <b>SCHRACK</b> HSPMRJ6G1A, HSEMRJ6GBA, HSEMRJ6GBS, HSEMRJ6GWA, HSEMRJ6GWS, HSEMRJ6UWS	



# AS range



## Centre plate (screw fixing)

with supporting frame, screw fixing only  
for modular jack Reichle + De-Massari freenet classic  
shielded, cat. 5  
only for module 2 x RJ 45  
Reichle + De-Massari no. R35252

## Duroplastic (scratch-proof) glossy

ivory	P	A 569-21 ACS
white	P	A 569-21 ACS WW

## Centre plate (snap-on fixing)

with supporting frame, screw fixing only  
for modular jack sockets

## TE Connectivity (Tyco Electronics / AMP NETCONNECT)

for cable Ø max. 10 mm:  
EMT-jack, Cat. 5e, 180° ref.-no. 0-0188650-5  
EMT-jack, Cat. 5e, 90° ref.-no. 0-0188650-6  
for cable Ø max. 6.5 mm:  
EMT-jack, Cat. 5e, 180° ref.-no. 0-0338038-1  
EMT-jack, Cat. 5e, 90° ref.-no. 0-0338038-2  
Toolless Jack, Cat. 3 unshielded: ref.-no. 0-1116603-x  
Toolless Jack, Cat. 5e unshielded: ref.-no. 0-1116604-x,  
Toolless Jack, Cat. 5e shielded: ref.-no. 0-1339015-1  
Toolless Jack, Cat. 6 unshielded: ref.-no. 0-1116605-x,  
Toolless Jack, Cat. 6 shielded: ref.-no. 0-1339016-1  
MTRJ-LWL jack: ref.-no. 1278414-1

## Shutter with spring for 1 socket

## Thermoplastic (breakproof) high-gloss

ivory	L	A 1569-15 WE
white	L	A 1569-15 WE WW

## for 2 sockets

## Thermoplastic (breakproof) high-gloss

ivory	L	A 1569-25 WE
white	L	A 1569-25 WE WW



## Centre plate (snap-on fixing)

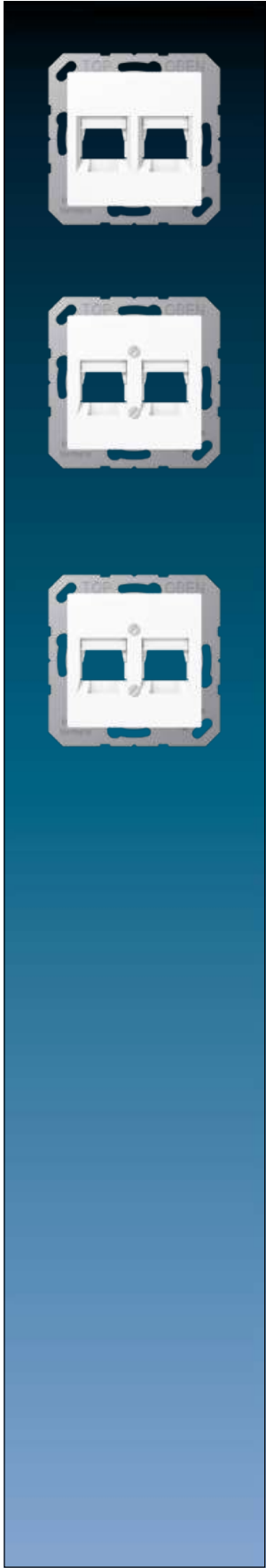
with supporting frame, screw fixing only  
for modular jack Avaya (AT&T)  
Cat. 3 RJ 45, M1 series: ref.-no. M1BH., unshielded,  
Cat. 5 RJ 45, MPS100 series: ref.-no. MPS100BH., unshielded,  
Cat. 6 RJ 45, MGS200 series: GigaSPEED, ref.-no. MGS200BH., unshielded

## Shutter with spring for 2 sockets

## Thermoplastic (breakproof) high-gloss

ivory	L	A 1569-2 AT
white	L	A 1569-2 AT WW

Ref.-no.	
<b>Centre plate (snap-on fixing)</b> with supporting frame, screw fixing only for modular jack cat. 5 / 6 Panduit: CJSE88T, CJS88/588/688, CJ688/688T	
<b>Shutter with spring for 2 sockets</b>	
<b>Thermoplastic (breakproof) high-gloss</b>	
ivory	A 1569-2 PAND
white	A 1569-2 PAND WW
<b>Centre plate (screw fixing)</b> with supporting frame, screw fixing only for modular jack ITT	
<b>Shutter with spring for 2 sockets</b>	
<b>Thermoplastic (breakproof) high-gloss</b>	
ivory	A 569-2 NITT
white	A 569-2 NITT WW
other colours on request	
<b>Centre plate (screw fixing)</b> with supporting frame, screw fixing only for modular jack Lexcom	
<b>Shutter with spring for 2 sockets</b>	
<b>Thermoplastic (breakproof) high-gloss</b>	
ivory	A 569-2 NLEX
white	A 569-2 NLEX WW





Ref.-no.

## Centre plate (snap-on fixing)

with supporting frame, screw fixing only  
for modular jack socket Siemon: CT range


## Shutter with spring for 2 sockets

## Thermoplastic (breakproof) high-gloss

ivory

 **A 1569-2 SIE**

white

 **A 1569-2 SIE WW**

for modular jack sockets

## Siemon

RJ 45, Keystone, cat. 5e, unshielded

Toolless MAX Modules Siemon no. MX-K-C5-80

## JUNG

Universal modular jack socket cat. 6A iso, type A: ref.-no. UMA-CAT6A

## Radiall

RJ 45, Keystone, cat. 6A, shielded

Radiall no. R280MOD810

## Assmann

DIGITUS CAT 6 Keystone Jack

module DN-93612 Cat. 6A, shielded

module DN-93614

module DN-93615

## Nexans

RJ45, Keystone, Cat.6

shielded: e.g. LANmark-6 EVO Snap-in bus, Nexans no.: N420.666

unshielded: e.g. LANmark-6 EVO Snap-in bus, Nexans no.: N420.660

necessary: Blue clip for EVO Snap-in connector to keystone format (2,0 ... 2,25 mm)

Nexans no. N429.626

## Telegärtner

(RJ45, Keystone, Cat.6A iso, shielded)

e.g. AMJ module K, T568A, Telegärtner-nr. J00029K0036

## Furukawa

(RJ45, Keystone, Cat.5e, unshielded)

GigaLan module, Furukawa no. 35050350

## Dätwyler

(RJ45, Keystone, Cat.6A, shielded)

unilan Keystone module KS-T 6A 1/8 Toolless, Dätwyler no. 418060

## Rutenbeck

(RJ45, Keystone, Cat.6A iso, shielded)

e.g. UM-Cat.6A iso A, Rutenbeck no. 13900304

## SCHRACK

HSPMRJ6G1A, HSEMRJ6GBA, HSEMRJ6GBS, HSEMRJ6GWA, HSEMRJ6GWS, HSEMRJ6UWS

Ref.-no.


**Centre plate (snap-on fixing)**

with supporting frame, screw fixing only  
for modular jack socket Brand-Rex

**Shutter with spring  
for 1 socket****Thermoplastic (breakproof) high-gloss**

ivory	 <b>A 1569-1 BR</b>
white	 <b>A 1569-1 BR WW</b>

**for 2 sockets****Thermoplastic (breakproof) high-gloss**

ivory	 <b>A 1569-2 BR</b>
white	 <b>A 1569-2 BR WW</b>

for modular jack sockets

**Brand-Rex**

(RJ45, Cat.6A, unshielded):

10GPlus Cat6A tool-free jack UTP, Brand-Rex no. AC6JAKU002

10GPlus Cat6A snap in jack UTP, Brand-Rex no. AC6JAKU0K2

**AMP NETCONNECT**

(RJ45, Cat.6A iso, shielded)

e.g. Twist 6AS SL Jack, AMP no. 0-1711716-1



**Potential equalisation socket**

with supporting frame, screw fixing only

with 2 one-pole built-in male sockets according to DIN 42801

for wires up to 6 mm<sup>2</sup>

**Duroplastic (scratch-proof) glossy**

ivory	 <b>A 565-2</b>
white	 <b>A 565-2 WW</b>

**Duroplastic (scratch-proof) glossy – antibacterial**

ivory	<b>ABA 565-2</b>
white	<b>ABA 565-2 WW</b>

**Right angle plug**

for potential equalisation socket






screw terminal for wires with 4 or 6 mm<sup>2</sup>

65 WIS

**Blank centre plate (snap-on fixing)**

with supporting frame, screw fixing only

**Thermoplastic (breakproof) high-gloss**



ivory	  <b>A 594-0</b>
white	  <b>A 594-0 WW</b>
green	 <b>A 594-0 GN</b>

The cover will be installed with snap-on fixing and enables individual cuttings or drilling holes.

**Blank centre plate (screw fixing)**

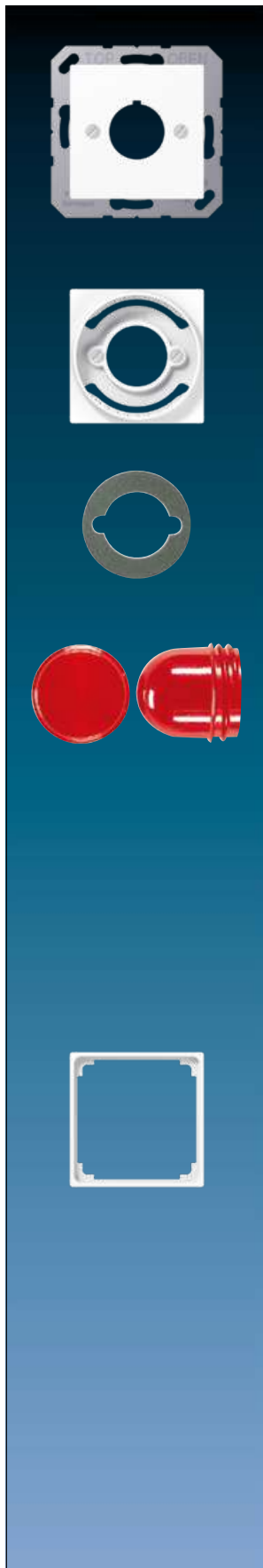
with supporting frame, screw fixing only

**Duroplastic (scratch-proof) glossy**

ivory	 <b>A 561 B</b>
white	 <b>A 561 B WW</b>



# AS range



Ref.-no.	
<b>Centre plate</b> with supporting frame, screw fixing only for commanding appliance with Ø 22.5 mm e.g. Moeller, Rafi, Schlegel, Lumitas, Kraus-Naimer	
<b>Duroplastic (scratch-proof) glossy</b>	
ivory	<b>A 564</b>
white	<b>A 564 WW</b>
yellow	<b>A 564 GE</b>
<b>Centre plate</b> for pilot lights ref.-no.: 938-10 U and 938-14 U	
<b>Thermoplastic (breakproof) high-gloss</b>	
ivory	<b>A 537 BFPL</b>
white	<b>A 537 BFPL WW</b>
<b>Sealing gasket</b> for covers for pilot light ref.-no.: ..537.., ..937..	
	<b>37 D</b>
To obtain protection level IP 44 the sealing gasket ref.-no.: 37 D has to be placed into the pilot light centre plate and IP 44 frame has to be used.	
<b>Screw cap</b> for covers for pilot light ref.-no.: ..537.., ..937..	
<b>flat, for lamps up to max. length of 35 mm</b>	
transparent	<b>37.02</b>
red	<b>37.05</b>
green	<b>37.06</b>
yellow	<b>37.07</b>
blue	<b>37.08</b>
<b>high, for lamps up to max. length of 54 mm</b>	
transparent	<b>37</b>
red	<b>37 R</b>
green	<b>37 G</b>
yellow	<b>37 GE</b>
blue	<b>37 BL</b>
<b>Intermediate frame</b> to install devices with 50 x 50 mm cover (DIN 49075)	
<b>Thermoplastic (breakproof) high-gloss</b>	
ivory	<b>A 590 Z</b>
white	<b>A 590 Z WW</b>



Ref.-no.


## Hinged lid with spring 80.5 x 80.5 mm

with integrated frame


for sockets, switches and push-buttons with centre plate of the AS / A ranges

### Thermoplastic (breakproof) high-gloss

ivory

 **AS 581 BFKL**

white

 **AS 581 BFKL WW**

## Hinged lid with spring 80.5 x 80.5 mm


**with safety lock** (24 different locks)

with integrated frame


for sockets, switches and push-buttons with centre plate of the AS / A ranges

### Thermoplastic (breakproof) high-gloss

ivory

 **AS 581 BFKLSL**

white

 **AS 581 BFKLSL WW**

## Key

(Spare part)

for all hinged lids with safety lock

1 piece

**802 SL – 825 SL**

**When ordering, please indicate lock number!**

## Sealing gasket

to ensure protection level IP 44

for all flush-mounted switch/push-button inserts of the 500 range, SCHUKO® sockets with hinged lid, rotary switches and timer switch inserts

for all devices, covers and frames with blue "IP 44 marking"

in some cases with additional gaskets acc. to product description



**551 WU**



# AS range



Ref.-no.

## Frame

for horizontal and vertical installation

**Duroplastic (scratch-proof) glossy**

**ivory**

1-gang	80.5 x 80.5 mm	IP	AS 581
2-gang	80.5 x 151.5 mm	IP	AS 582
3-gang	80.5 x 222.5 mm	IP	AS 583
4-gang	80.5 x 293.5 mm	IP	AS 584
5-gang	80.5 x 364.5 mm	IP	AS 585

**white**

1-gang	80.5 x 80.5 mm	IP	AS 581 WW
2-gang	80.5 x 151.5 mm	IP	AS 582 WW
3-gang	80.5 x 222.5 mm	IP	AS 583 WW
4-gang	80.5 x 293.5 mm	IP	AS 584 WW
5-gang	80.5 x 364.5 mm	IP	AS 585 WW

**black**

1-gang	80.5 x 80.5 mm	IP	AS 581 SW
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**Thermoplastic (breakproof) high-gloss**

**ivory**

1-gang	80.5 x 80.5 mm	IP	AS 581 BF
2-gang	80.5 x 151.5 mm	IP	AS 582 BF
3-gang	80.5 x 222.5 mm	IP	AS 583 BF
4-gang	80.5 x 293.5 mm	IP	AS 584 BF
5-gang	80.5 x 364.5 mm	IP	AS 585 BF

**white**

1-gang	80.5 x 80.5 mm	IP	AS 581 BF WW
2-gang	80.5 x 151.5 mm	IP	AS 582 BF WW
3-gang	80.5 x 222.5 mm	IP	AS 583 BF WW
4-gang	80.5 x 293.5 mm	IP	AS 584 BF WW
5-gang	80.5 x 364.5 mm	IP	AS 585 BF WW

**green**

1-gang	80.5 x 80.5 mm	IP	AS 581 BF GN
2-gang	80.5 x 151.5 mm	IP	AS 582 BF GN
3-gang	80.5 x 222.5 mm	IP	AS 583 BF GN
4-gang	80.5 x 293.5 mm	IP	AS 584 BF GN
5-gang	80.5 x 364.5 mm	IP	AS 585 BF GN

**orange**

1-gang	80.5 x 80.5 mm	IP	AS 581 BF O
2-gang	80.5 x 151.5 mm	IP	AS 582 BF O
3-gang	80.5 x 222.5 mm	IP	AS 583 BF O
4-gang	80.5 x 293.5 mm	IP	AS 584 BF O
5-gang	80.5 x 364.5 mm	IP	AS 585 BF O

**red**

1-gang	80.5 x 80.5 mm	IP	AS 581 BF RT
2-gang	80.5 x 151.5 mm	IP	AS 582 BF RT
3-gang	80.5 x 222.5 mm	IP	AS 583 BF RT
4-gang	80.5 x 293.5 mm	IP	AS 584 BF RT
5-gang	80.5 x 364.5 mm	IP	AS 585 BF RT

Ref.-no.

**Frame****for horizontal and vertical installation****Duroplastic (scratch-proof) glossy – antibacterial****ivory**

1-gang	80.5 x 80.5 mm	IP	<b>ABAS 581 N</b>
2-gang	151.5 x 80.5 mm	IP	<b>ABAS 582 N</b>
3-gang	222.5 x 80.5 mm	IP	<b>ABAS 583 N</b>

**white**

1-gang	80.5 x 80.5 mm	IP	<b>ABAS 581 N WW</b>
2-gang	151.5 x 80.5 mm	IP	<b>ABAS 582 N WW</b>
3-gang	222.5 x 80.5 mm	IP	<b>ABAS 583 N WW</b>

**Frame with inscription field 12 x 55.5 mm****Duroplastic (scratch-proof) glossy**

ivory	1-gang	80.5 x 80.5 mm	IP	<b>AS 581 NA</b>
white	1-gang	80.5 x 80.5 mm	IP	<b>AS 581 NA WW</b>

**Duroplastic (scratch-proof) glossy – antibacterial**

ivory	1-gang	80.5 x 80.5 mm	IP	<b>ABAS 581 NNA</b>
white	1-gang	80.5 x 80.5 mm	IP	<b>ABAS 581 NNA WW</b>

**Frame with inscription field 12 x 55.5 mm and 13 x 55.5 mm  
for vertical installation****Duroplastic (scratch-proof) glossy****ivory**

2-gang	80.5 x 151.5 mm	IP	<b>AS 582 NA</b>
3-gang	80.5 x 222.5 mm	IP	<b>AS 583 NA</b>
4-gang	80.5 x 293.5 mm	IP	<b>AS 584 NA</b>
5-gang	80.5 x 364.5 mm	IP	<b>AS 585 NA</b>

**white**

2-gang	80.5 x 151.5 mm	IP	<b>AS 582 NA WW</b>
3-gang	80.5 x 222.5 mm	IP	<b>AS 583 NA WW</b>
4-gang	80.5 x 293.5 mm	IP	<b>AS 584 NA WW</b>
5-gang	80.5 x 364.5 mm	IP	<b>AS 585 NA WW</b>

**Duroplastic (scratch-proof) glossy – antibacterial****ivory**

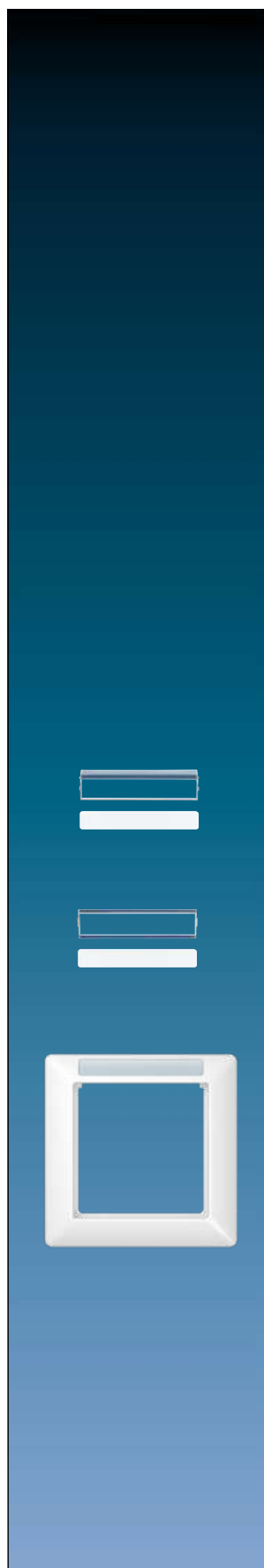
2-gang	80.5 x 151.5 mm	IP	<b>ABAS 582 NNA</b>
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**white**

2-gang	80.5 x 151.5 mm	IP	<b>ABAS 582 NNA WW</b>
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# AS range



Ref.-no.

## Frame with inscription field 12 x 55.5 mm for horizontal installation

### Duroplastic (scratch-proof) glossy ivory

2-gang	151.5 x 80.5 mm	IP	AS 5820 NA
3-gang	222.5 x 80.5 mm	IP	AS 5830 NA
4-gang	293.5 x 80.5 mm	IP	AS 5840 NA
5-gang	364.5 x 80.5 mm	IP	AS 5850 NA

### white

2-gang	151.5 x 80.5 mm	IP	AS 5820 NA WW
3-gang	222.5 x 80.5 mm	IP	AS 5830 NA WW
4-gang	293.5 x 80.5 mm	IP	AS 5840 NA WW
5-gang	364.5 x 80.5 mm	IP	AS 5850 NA WW



### Transparent cover with paper inlay

for inscription field 12 x 55.5 mm

(Spare part)

paper inlay white

AS 81 NA

### Transparent cover with paper inlay

for inscription field 13 x 55.5 mm

(Spare part)

paper inlay white

AS 82 NA

### Frame

with window (moisture-proof) 55.6 x 9.2 mm

including inscription module ref.-no.: AS 81 INA BT

also suitable for inscription module AS 81-1 INA BT

When the frame is removed, the inscription module remains latched onto the supporting frame.

### Thermoplastic (breakproof) high-gloss

ivory	1-gang	80.5 x 80.5 mm	AS 581 BF INA
white	1-gang	80.5 x 80.5 mm	AS 581 BF INA WW

Ref.-no.

**Frame****for vertical installation**

with window (moisture-proof) 55.6 x 9.2 mm and 54.2 x 10.9 mm

including inscription module ref.-no.: AS 81 INA BT and AS 82 INA BT

also suitable for inscription module AS 81-1 INA BT and AS 82-1 INA BT

When the frame is removed, the inscription module remains latched onto the supporting frame.

**Thermoplastic (breakproof) high-gloss****ivory**

2-gang	80.5 x 151.5 mm	<b>AS 582 BF INA</b>
3-gang	80.5 x 222.5 mm	<b>AS 583 BF INA</b>
4-gang	80.5 x 293.5 mm	<b>AS 584 BF INA</b>
5-gang	80.5 x 364.5 mm	<b>AS 585 BF INA</b>

**white**

2-gang	80.5 x 151.5 mm	<b>AS 582 BF INA WW</b>
3-gang	80.5 x 222.5 mm	<b>AS 583 BF INA WW</b>
4-gang	80.5 x 293.5 mm	<b>AS 584 BF INA WW</b>
5-gang	80.5 x 364.5 mm	<b>AS 585 BF INA WW</b>

**Frame****for horizontal installation**

with window (moisture-proof) 55.6 x 9.2 mm

including inscription module ref.-no.: AS 81 INA BT

also suitable for inscription module AS 81-1 INA BT

When the frame is removed, the inscription module remains latched onto the supporting frame.

**Thermoplastic (breakproof) high-gloss****ivory**

2-gang	151.5 x 80.5 mm	<b>AS 5820 BF INA</b>
3-gang	222.5 x 80.5 mm	<b>AS 5830 BF INA</b>
4-gang	293.5 x 80.5 mm	<b>AS 5840 BF INA</b>
5-gang	364.5 x 80.5 mm	<b>AS 5850 BF INA</b>

**white**

2-gang	151.5 x 80.5 mm	<b>AS 5820 BF INA WW</b>
3-gang	222.5 x 80.5 mm	<b>AS 5830 BF INA WW</b>
4-gang	293.5 x 80.5 mm	<b>AS 5840 BF INA WW</b>
5-gang	364.5 x 80.5 mm	<b>AS 5850 BF INA WW</b>



# AS range



Ref.-no.

## Inscription module 53.5 x 10 mm

### snap-on fixing, only for JUNG supporting frame

(Spare part)

Only in combination with frame ref.-no. AS 581 BF INA..., AS 5820 BF INA..., AS 5830 BF INA..., AS 5840 BF INA..., and for the top segment of frame AS 5850 BF INA..., AS 582 BF INA..., AS 583 BF INA..., AS 584 BF INA..., AS 585 BF INA..

(application: moisture-proof inscription field)

**AS 81 INA BT**

## Inscription module 53.5 x 10 mm

### adhesive fixing, only for non-JUNG supporting frame

Only in combination with frame ref.-no. AS 581 BF INA..., AS 5820 BF INA..., AS 5830 BF INA..., AS 5840 BF INA..., and for the top segment of frame AS 5850 BF INA..., AS 582 BF INA..., AS 583 BF INA..., AS 584 BF INA..., AS 585 BF INA..

(application: moisture-proof inscription field)

**AS 81-1 INA BT**

## Inscription module 53.5 x 10 mm

### snap-on fixing, only for JUNG supporting frame

### only suitable for multigang frames (vertical installation)

(Spare part)

Only in combination with frame ref.-no. AS 582 BF INA..., AS 583 BF INA..., AS 584 BF INA..., AS 585 BF INA.. for the 2<sup>nd</sup> up to the 5<sup>th</sup> segment.

(application: moisture-proof inscription field)

**AS 82 INA BT**

## Inscription module 53.5 x 10 mm

### adhesive fixing, only for non-JUNG supporting frame

### only suitable for multigang frames (vertical installation)

Only in combination with frame ref.-no. AS 582 BF INA..., AS 583 BF INA..., AS 584 BF INA..., AS 585 BF INA.. for the 2<sup>nd</sup> up to the 5<sup>th</sup> segment.

(application: moisture-proof inscription field)

**AS 82-1 INA BT**

	Ref.-no.
<b>Surface cap</b>	
with integrated frame and non-flammable ground plate	
for inserts with covers of the AS range (except key switches ref.-no. ...15,	
3-level-switch and socket for Switzerland type 13)	
1-gang, 85 x 85 x 47 mm	
<b>Duroplastic (scratch-proof) glossy</b>	
ivory	AS 581 A W
white	AS 581 A WW
2-gang, 156 x 85 x 47 mm	
<b>Duroplastic (scratch-proof) glossy</b>	
ivory	AS 582 A W
white	AS 582 A WW
3-gang, 227 x 85 x 47 mm	
<b>Duroplastic (scratch-proof) glossy</b>	
ivory	AS 583 A W
white	AS 583 A WW



# AS range



	Ref.-no.
<b>Mounting box for surface caps</b>	
(Spare part)	
1-gang	<b>581 A</b>
2-gang	<b>582 A</b>
3-gang	<b>583 A</b>
<b>Strain relief</b>	
<b>for surface caps</b>	
for cables 3 x 1.5 mm <sup>2</sup> up to 5 x 2.5 mm <sup>2</sup> (Ø 7 up to 13 mm)	
	<b>58 A ZUG</b>
<b>Inlets for cables, pipes and trunkings in surface caps</b>	
<b>for cable and mini trunking</b>	
ivory	<b>11</b>
white	<b>11 WW</b>
<b>for trunking 15 x 15 mm</b>	
ivory	<b>12</b>
white	<b>12 WW</b>
<b>for pipes with outside Ø 16 mm</b>	
ivory	<b>13</b>
white	<b>13 WW</b>
<b>Surface cap</b>	
<b>with inscription field 12 x 55.5 mm</b>	
with integrated frame, non-flammable ground plate and 2 cable inlets	
for inserts with covers of the AS range (except key switches ref.-no. ..15,	
3-level-switch and socket for Switzerland type 13)	
1-gang, 85 x 85 x 47 mm	
<b>Thermoplastic (breakproof) high-gloss</b>	
ivory	<b>AS 581 ANA W</b>
white	<b>AS 581 ANA WW</b>
<b>Cable inlet</b>	
for surface caps ref.-no.: AS 581 ANA W, AS 581 ANA WW	
(Spare part)	
without press cut	
white	<b>15 WW</b>
<b>Transparent cover with paper inlay</b>	
for inscription field 12 x 55.5 mm	
(Spare part)	
paper inlay white	<b>AS 81 NA</b>



Ref.-no.

**1-gang switch insert 10 AX / 250 V ~**Screwless terminals for wires up to 2.5 mm<sup>2</sup>

with integrated LED insert

Only in combination with frame ref.-no. AS 581-1 BF INA.. and inscription module ref.-no. AS 61 INA BT (application: illuminated inscription field)

The LED insert is replaceable.

Connection via 2 stranded wires (brown/blue), approx. 220 mm long.

It can be connected directly to AC 230 V ~ or via switch.

Installation into flush box min. 63 mm (depth)

**with white LEDs**

1-pole, 2-way

**506 U-LEDW****1-gang push-button insert 10 A / 250 V ~**Screwless terminals for wires up to 2.5 mm<sup>2</sup>

with integrated LED insert

Only in combination with frame ref.-no. AS 581-1 BF INA.. and inscription module ref.-no. AS 61 INA BT (application: illuminated inscription field)

The LED insert is replaceable.

Connection via 2 stranded wires (brown/blue), approx. 220 mm long.

It can be connected directly to AC 230 V ~ or via switch.

Installation into flush box min. 63 mm (depth)

**with white LEDs**

1-pole, 2-way with terminal for N conductor

**533 U-LEDW****Inscription module 53.5 x 10 mm**

Only in combination with frame ref.-no. AS 581-1 BF INA...

(application: moisture-proof inscription field)

**AS 61 INA BT****Frame**

with window (moisture-proof) 55.6 x 9.2 mm and 54.2 x 10.9 mm

Only in combination with switch insert ref.-no.: 506 U-LEDW, push button insert ref.-no.: 533 U-LEDW or SCHUKO® socket ref.-no.: A 520-O BF .. LEDW and inscription module ref.-no.: AS 61 INA BT

(application: illuminated inscription field)

**Thermoplastic (breakproof) high-gloss**

ivory 1-gang 80.5 x 80.5 mm

**AS 581-1 BF INA**

white 1-gang 80.5 x 80.5 mm

**AS 581-1 BF INA WW****LED insert**

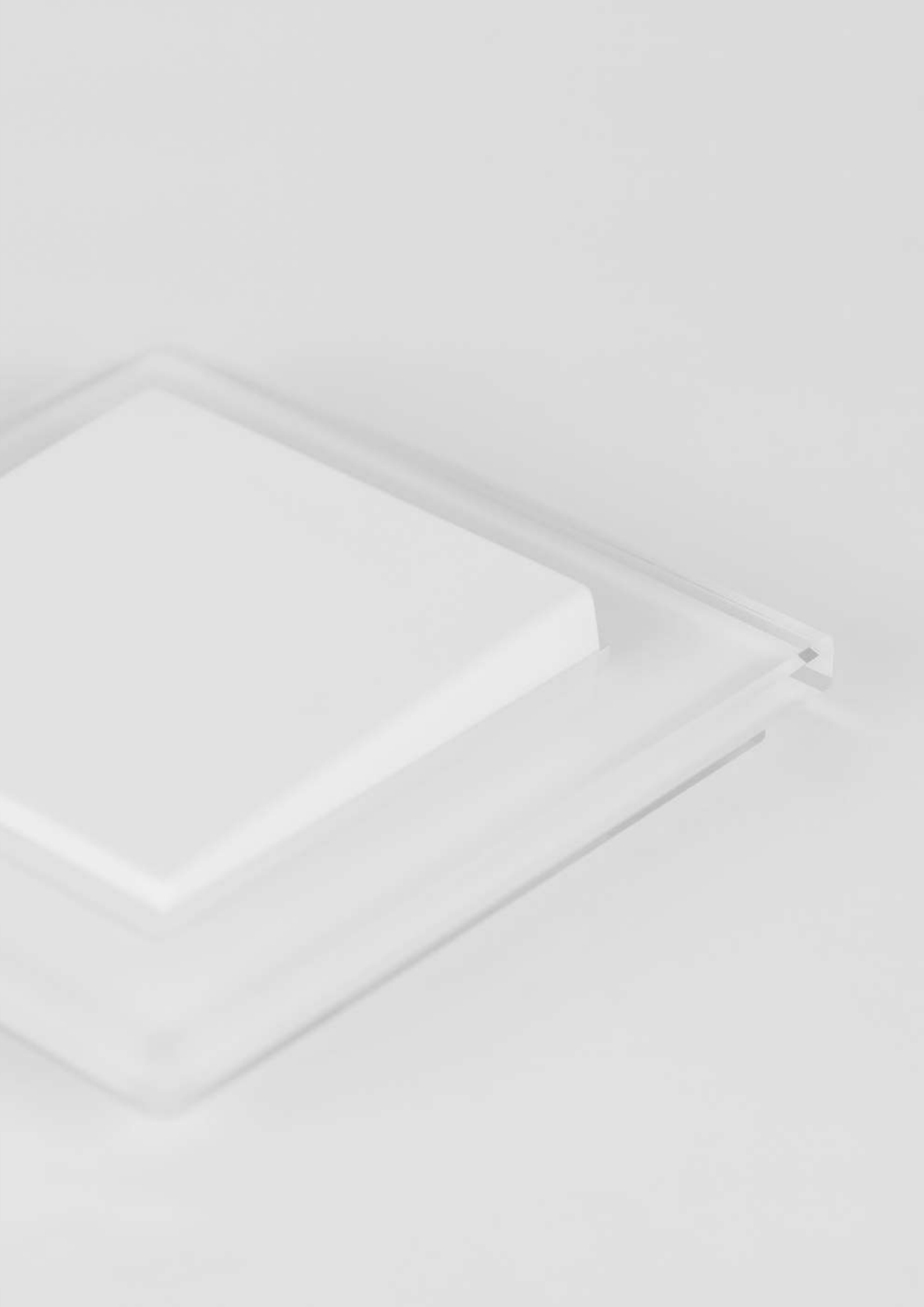
(Spare part)

for SCHUKO® socket ref.-no.: A 520-O BF .. LEDW

for switch insert ref.-no.: 506 U-LEDW

for push-button insert ref.-no.: 533 U-LEDW

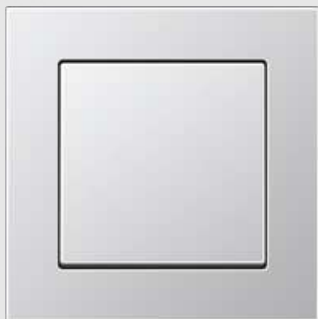
**with white LEDs****520-O LEDW-2**



## A range



A CREATION with Glass frame in blue-grey



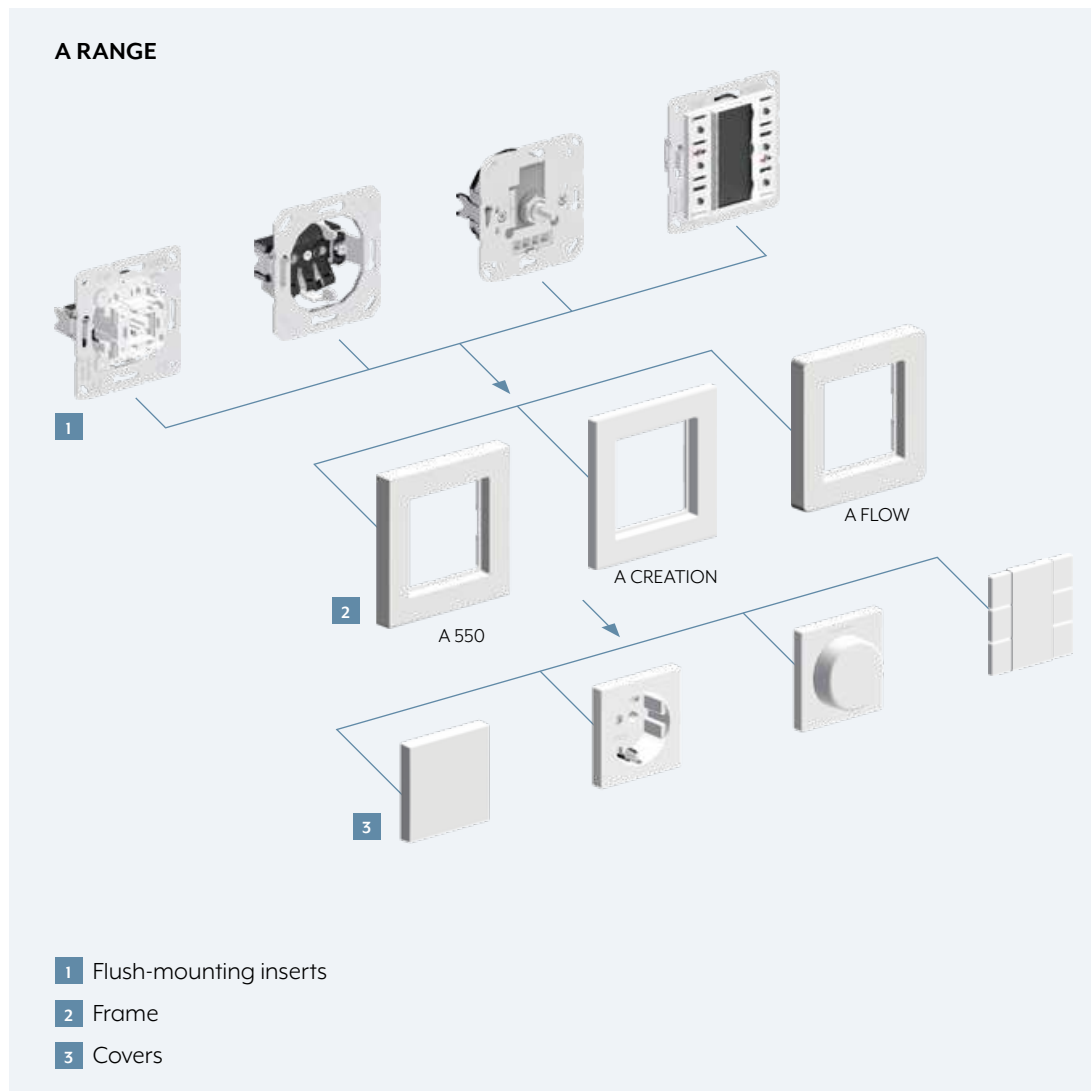
A 550 in aluminium



A FLOW in matt snow white

The A range sets accents in every room. It is impressive with its clear design and selection of materials. All inserts have the dimensions of 55 x 55 mm. The single to 5-gang frames can be fitted horizontally or vertically.



# A range – modular system





The wide product palette of the A range meets all technical requirements in private and commercial construction. Lighting, blind and temperature control, door communication, multimedia control, eNet SMART HOME and KNX can all be implemented from a single source. The JUNG modular system combines the inserts with the respective appropriate cover and design frame to form a functional unit.

## Colours and materials







### Duroplastic (scratch-proof), glossy

white	similar to RAL 9016	
black	similar to RAL 9005	

### Thermoplastic (breakproof) high-gloss

white	similar to RAL 9016	
black	similar to RAL 9005	





### Duroplastic / Thermoplastic (breakproof) lacquered

aluminium	
champagne	
mocha	
matt anthracite	
matt snow white	
matt graphite black	

### Glass

Tempered safety glass (TSG), depending on the version, the rear side is printed or dyed through

### Selected items are also available in other colours

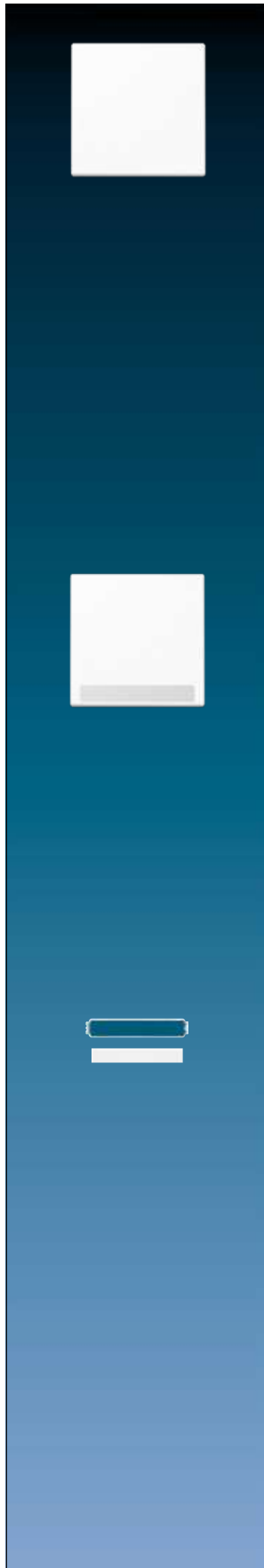
blue	similar to RAL 5013	
green	similar to RAL 6029	
orange	similar to RAL 2004	
red	similar to RAL 3003	

Covers	392
Sockets	400
LB Management	416
eNet	419
Temperature Management	423
SAT / TV	427
Data connectors	430
Telephone	431

### The following products are available in the A range

Multimedia connection systems	47
USB charger	60
Smart Radio DAB+	76
Hospital installations	94
Hotel installations	104
Plug & Light	138
Door communication	144
F 50	660
F 40	670
F 10	680

# A range



			Ref.-no.
<b>1-gang rocker</b>			
for switch insert ref.-no.: 501 U, 502 U, 503 U, 506 U, 507 U, 501-20 U, 506-20 U, 507-20 U			
for push switch insert ref.-no.: 502 TU, 506 TU, 507 TU			
for push-button insert ref.-no.: 531 U, 532 U, 533 U, 533-2 U			
<b>Duroplastic (scratch-proof) glossy</b>			
white	IP	P	A 590 WW
black	IP		A 590 SW
<b>Duroplastic lacquered</b>			
aluminium	IP	P L	A 590 AL
champagne	IP	P	A 590 CH
mocha	IP		A 590 MO
<b>Thermoplastic (breakproof) high-gloss</b>			
white	IP	L	A 590 BF WW
black	IP	L	A 590 BF SW
<b>matt lacquered</b>			
matt snow white	IP		A 590 WWM
matt graphite black	IP		A 590 SWM
matt anthracite	IP		A 590 BF ANM
For illuminated inserts use rocker with lens ref.-no.: ..KO...			
<b>1-gang rocker with inscription field 6 x 46 mm</b>			
for switch insert ref.-no.: 501 U, 502 U, 503 U, 506 U, 507 U, 501-20 U, 506-20 U, 507-20 U			
for push switch insert ref.-no.: 502 TU, 506 TU, 507 TU			
for push-button insert ref.-no.: 531 U, 532 U, 533 U, 533-2 U			
<b>Thermoplastic (breakproof) high-gloss</b>			
white	IP	L	A 590 BF NA WW
black	IP	L	A 590 BF NA SW
<b>Thermoplastic (breakproof) lacquered</b>			
aluminium	IP	P L	A 590 BF NA AL
champagne	IP	P	A 590 BF NA CH
mocha	IP		A 590 BF NA MO
<b>matt lacquered</b>			
matt snow white	IP		A 590 BF NA WWM
matt graphite black	IP		A 590 BF NA SWM
matt anthracite	IP		A 590 BF NA ANM
For illuminated inserts use rocker with lens ref.-no.: ..KO...			
<b>Transparent cover with paper inlay</b>			
for inscription field 6 x 46 mm			
(Spare part)			
paper inlay white			A 20 NA

Ref.-no.

**1-gang rocker with lens**



for switch insert with indicator light

ref.-no.: 502 KOU, 503 KOU, 506 KOU, 501-20 KOU, 502-20 KOU, 506-20 KOU




for push switch insert with indicator light ref.-no.: 502 KOTU, 506 KOTU

for push-button insert ref.-no.: 531 U, 533 U, 533-2 U, 534 U

**Duroplastic (scratch-proof) glossy**

white	 	<b>A 590 KO5 WW</b>
black		<b>A 590 KO5 SW</b>




**Duroplastic lacquered**

aluminium	  	<b>A 590 KO5 AL</b>
champagne	 	<b>A 590 KO5 CH</b>
mocha		<b>A 590 KO5 MO</b>

**Thermoplastic (breakproof) high-gloss**

white	 	<b>A 590 BF KO5 WW</b>
black	 	<b>A 590 BF KO5 SW</b>

**matt lacquered**

matt snow white		<b>A 590 KO5 WWM</b>
matt graphite black		<b>A 590 KO5 SWM</b>
matt anthracite		<b>A 590 BF KO5 ANM</b>

**1-gang rocker with lens and inscription field 6 x 46 mm**





for switch insert with indicator light

ref.-no.: 502 KOU, 503 KOU, 506 KOU, 501-20 KOU, 502-20 KOU, 506-20 KOU







for push switch insert with indicator light ref.-no.: 502 KOTU, 506 KOTU

for push-button insert ref.-no.: 531 U, 533 U, 533-2 U, 534 U




**Thermoplastic (breakproof) high-gloss**

white	 	<b>A 590 BF NA KO5 WW</b>
black	 	<b>A 590 BF NA KO5 SW</b>

**Thermoplastic (breakproof) lacquered**

aluminium	  	<b>A 590 BF NA KO5 AL</b>
champagne	 	<b>A 590 BF NA KO5 CH</b>
mocha		<b>A 590 BF NA KO5 MO</b>

**matt lacquered**

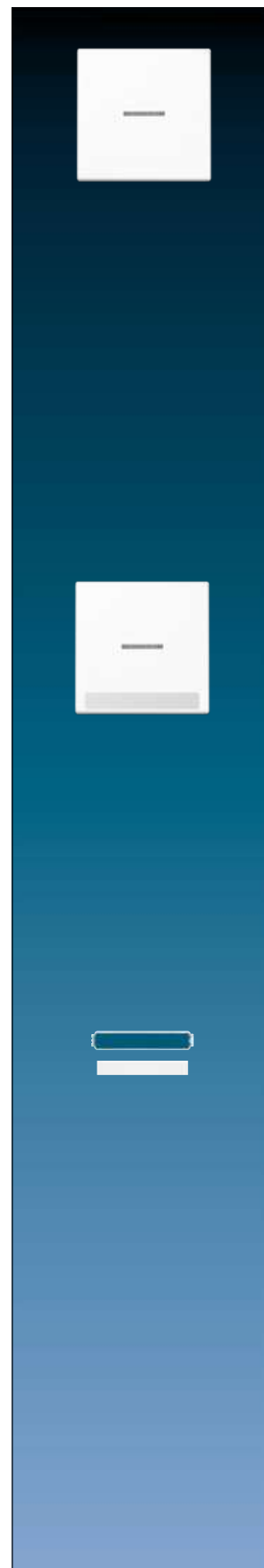
matt snow white		<b>A 590 BF NA KO5 WWM</b>
matt graphite black		<b>A 590 BF NA KO5 SWM</b>
matt anthracite		<b>A 590 BF NA KO5 ANM</b>

**Transparent cover with paper inlay**

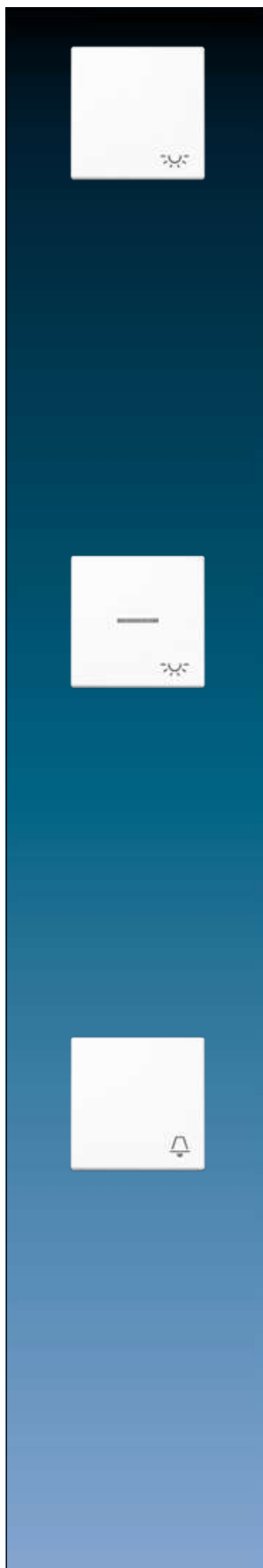
for inscription field 6 x 46 mm

(Spare part)

paper inlay white	<b>A 20 NA</b>
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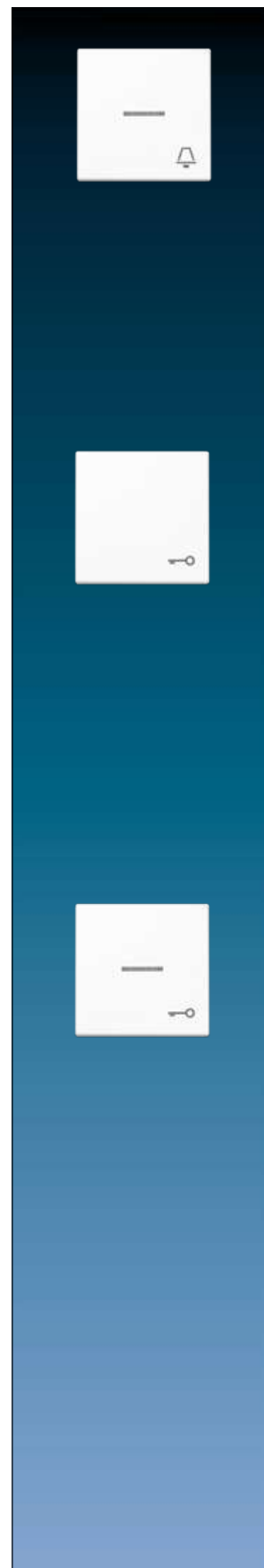
# A range



Ref.-no.		
<b>1-gang rocker with symbol "light"</b>		
for switch insert ref.-no.: 501 U, 502 U, 503 U, 506 U, 507 U, 501-20 U, 506-20 U, 507-20 U		
for push switch insert ref.-no.: 502 TU, 506 TU, 507 TU		
for push-button insert ref.-no.: 531 U, 532 U, 533 U, 533-2 U		
<b>Duroplastic (scratch-proof) glossy</b>		
white	IP	A 590 L WW
black	IP	A 590 L SW
<b>Duroplastic lacquered</b>		
aluminium	IP	A 590 L AL
champagne	IP	A 590 L CH
mocha	IP	A 590 L MO
<b>Thermoplastic (breakproof) high-gloss</b>		
white	IP	A 590 BF L WW
black	IP	A 590 BF L SW
<b>matt lacquered</b>		
matt snow white	IP	A 590 L WWM
matt graphite black	IP	A 590 L SWM
matt anthracite	IP	A 590 BF L ANM
<b>1-gang rocker with symbol "light", with lens</b>		
for switch insert with indicator light		
ref.-no.: 502 KOU, 503 KOU, 506 KOU, 501-20 KOU, 502-20 KOU, 506-20 KOU		
for push switch insert with indicator light ref.-no.: 502 KOTU, 506 KOTU		
for push-button insert ref.-no.: 531 U, 533 U, 533-2 U, 534 U		
<b>Duroplastic (scratch-proof) glossy</b>		
white	IP	A 590 KO5 L WW
black	IP	A 590 KO5 L SW
<b>Duroplastic lacquered</b>		
aluminium	IP	A 590 KO5 L AL
champagne	IP	A 590 KO5 L CH
mocha	IP	A 590 KO5 L MO
<b>Thermoplastic (breakproof) high-gloss</b>		
white	IP	A 590 BFKO5 L WW
black	IP	A 590 BFKO5 L SW
<b>matt lacquered</b>		
matt anthracite	IP	A 590 BFKO5 L ANM
<b>1-gang rocker with symbol "bell"</b>		
for push-button insert ref.-no.: 531 U, 532 U, 533 U, 533-2 U		
<b>Duroplastic (scratch-proof) glossy</b>		
white	IP	A 590 K WW
black	IP	A 590 K SW
<b>Duroplastic lacquered</b>		
aluminium	IP	A 590 K AL
champagne	IP	A 590 K CH
mocha	IP	A 590 K MO
<b>Thermoplastic (breakproof) high-gloss</b>		
white	IP	A 590 BF K WW
black	IP	A 590 BF K SW
<b>matt lacquered</b>		
matt snow white	IP	A 590 K WWM
matt graphite black	IP	A 590 K SWM
matt anthracite	IP	A 590 BF K ANM



Ref.-no.		
<b>1-gang rocker with symbol "bell", with lens</b>		
for push-button insert ref.-no.: 531 U, 533 U, 533-2 U, 534 U		
<b>Duroplastic (scratch-proof) glossy</b>		
white	IP	A 590 KO5 K WW
black	IP	A 590 KO5 K SW
<b>Duroplastic lacquered</b>		
aluminium	IP	A 590 KO5 K AL
champagne	IP	A 590 KO5 K CH
mocha	IP	A 590 KO5 K MO
<b>Thermoplastic (breakproof) high-gloss</b>		
white	IP	A 590 BFKO5 K WW
black	IP	A 590 BFKO5 K SW
<b>matt lacquered</b>		
matt anthracite	IP	A 590 BFKO5 K ANM
<b>1-gang rocker with symbol "door"</b>		
for push-button insert ref.-no.: 531 U, 532 U, 533 U, 533-2 U		
<b>Duroplastic (scratch-proof) glossy</b>		
white	IP	A 590 T WW
black	IP	A 590 T SW
<b>Duroplastic lacquered</b>		
aluminium	IP	A 590 T AL
champagne	IP	A 590 T CH
mocha	IP	A 590 T MO
<b>Thermoplastic (breakproof) high-gloss</b>		
white	IP	A 590 BF T WW
black	IP	A 590 BF T SW
<b>matt lacquered</b>		
matt snow white	IP	A 590 T WWM
matt graphite black	IP	A 590 T SWM
matt anthracite	IP	A 590 BF T ANM
<b>1-gang rocker with symbol "door", with lens</b>		
for push-button insert ref.-no.: 531 U, 533 U, 533-2 U, 534 U		
<b>Duroplastic (scratch-proof) glossy</b>		
white	IP	A 590 KO5 T WW
black	IP	A 590 KO5 T SW
<b>Duroplastic lacquered</b>		
aluminium	IP	A 590 KO5 T AL
champagne	IP	A 590 KO5 T CH
mocha	IP	A 590 KO5 T MO
<b>Thermoplastic (breakproof) high-gloss</b>		
white	IP	A 590 BFKO5 T WW
black	IP	A 590 BFKO5 T SW
<b>matt lacquered</b>		
matt anthracite	IP	A 590 BFKO5 T ANM



# A range



Ref.-no.	
<b>Barrier-free living</b>	
<b>1-gang rocker with tactile symbol "light", with lens</b>	
for switch insert with indicator light	
ref.-no.: 502 KOU, 503 KOU, 506 KOU, 501-20 KOU, 502-20 KOU, 506-20 KOU	
for push switch insert with indicator light ref.-no.: 502 KOTU, 506 KOTU	
for push-button insert ref.-no.: 531 U, 533 U, 533-2 U, 534 U	
<b>Duroplastic (scratch-proof) glossy</b>	
white	<b>A 590 L1KO WW</b>
<b>Duroplastic lacquered</b>	
aluminium	<b>A 590 L1KO AL</b>
<b>For improved visibility use frame in contrasting black colour.</b>	
<b>Barrier-free living</b>	
<b>1-gang rocker with tactile symbol "bell", with lens</b>	
for push-button insert ref.-no.: 531 U, 533 U, 533-2 U, 534 U	
<b>Duroplastic (scratch-proof) glossy</b>	
white	<b>A 590 K1KO WW</b>
<b>Duroplastic lacquered</b>	
aluminium	<b>A 590 K1KO AL</b>
<b>For improved visibility use frame in contrasting black colour.</b>	
<b>Barrier-free living</b>	
<b>1-gang rocker with tactile symbol "door", with lens</b>	
for push-button insert ref.-no.: 531 U, 533 U, 533-2 U, 534 U	
<b>Duroplastic (scratch-proof) glossy</b>	
white	<b>A 590 T1KO WW</b>
<b>Duroplastic lacquered</b>	
aluminium	<b>A 590 T1KO AL</b>
<b>For improved visibility use frame in contrasting black colour.</b>	
<b>1-gang rocker, transparent</b>	
for switch insert ref.-no.: 501 U, 502 U, 503 U, 506 U, 507 U, 501-20 U, 506-20 U, 507-20 U	
for push switch insert ref.-no.: 502 TU, 506 TU, 507 TU	
for push-button insert ref.-no.: 531 U, 532 U, 533 U, 533-2 U	
for individual text or decorative inlets (e.g. wall paper)	
<b>Thermoplastic (breakproof) high-gloss</b>	
inscription field 50 x 50 mm	<b>A 590 NA GL</b>
<b>Plastic cover with paper inlay</b>	
for inscription field 50 x 50 mm	
(Spare part)	
<b>Thermoplastic (breakproof) high-gloss</b>	
paper inlay white	<b>A 590 NA GL PL</b>
<b>Holder plate</b>	
for frame fixing and 1-gang rocker bearing	
(Spare part)	
black	<b>AS 90 HP</b>

Ref.-no.

**Pull cord switch 10 AX / 250 V ~**

for wall and ceiling installation

Screw terminals for wires up to 2.5 mm<sup>2</sup>

with 50 mm pull cord

**Thermoplastic (breakproof) high-gloss**

white	 	A 506 BF NUZ WW
-------	---	-----------------

black	 	A 506 BF NUZ SW
-------	---	-----------------

**Thermoplastic (breakproof) lacquered**

aluminium	  	A 506 BF NUZ AL
-----------	---	-----------------

champagne	 	A 506 BF NUZ CH
-----------	---	-----------------

mocha		A 506 BF NUZ MO
-------	---	-----------------

**matt lacquered**

matt snow white		A 506 BF NUZ WWM
-----------------	---	------------------

matt graphite black		A 506 BF NUZ SWM
---------------------	---	------------------

matt anthracite		A 506 BF NUZ ANM
-----------------	---	------------------

Other pull cord devices can be realised with pull cord insert 34 KO5

and 1-gang rocker with transparent lens A 590 KO5 ..

**2-gang rocker**

for switch insert ref.-no.: 505 U, 509 U

for push switch insert ref.-no.: 505 TU, 509 TU

for push-button insert ref.-no.: 535 U, 539 U

**Duroplastic (scratch-proof) glossy**


white	 	A 595 WW
-------	---	----------

black		A 595 SW
-------	---	----------

**Duroplastic lacquered**



aluminium	  	A 595 AL
-----------	---	----------

champagne	 	A 595 CH
-----------	---	----------

mocha		A 595 MO
-------	---	----------


**Thermoplastic (breakproof) high-gloss**

white	 	A 595 BF WW
-------	---	-------------

black	 	A 595 BF SW
-------	---	-------------

**matt lacquered**

matt snow white		A 595 WWM
-----------------	---	-----------

matt graphite black		A 595 SWM
---------------------	---	-----------

matt anthracite		A 595 BF ANM
-----------------	---	--------------

For illuminated inserts use rocker with lens ref.-no.: ..KO...

**2-gang rocker with lens**


for switch insert ref.-no.: 505 U 5

for switch insert with indicator light ref.-no.: 505 KOU 5

for push-button insert ref.-no.: 535 U 5

**Duroplastic (scratch-proof) glossy**

white	 	A 595 KO5 WW
-------	---	--------------

black		A 595 KO5 SW
-------	---	--------------

**Duroplastic lacquered**



aluminium	  	A 595 KO5 AL
-----------	---	--------------

champagne	 	A 595 KO5 CH
-----------	---	--------------


mocha		A 595 KO5 MO
-------	---	--------------

**Thermoplastic (breakproof) high-gloss**

white	 	A 595 BF KO5 WW
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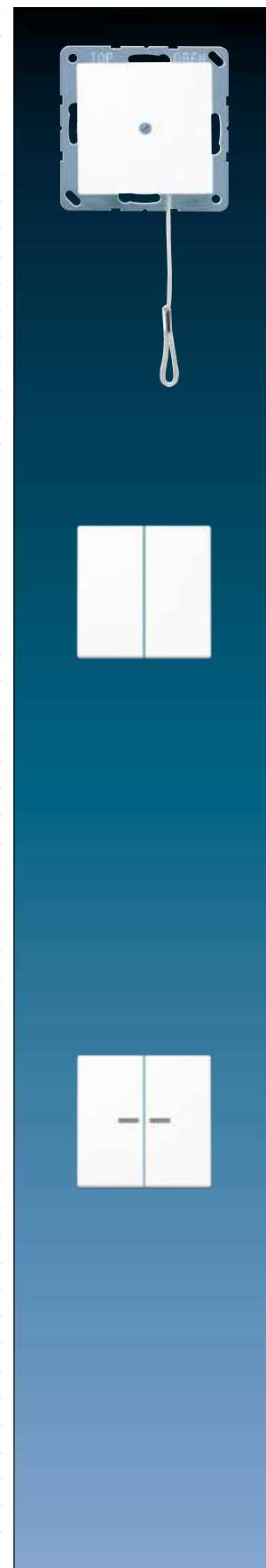
black	 	A 595 BF KO5 SW
-------	---	-----------------

**matt lacquered**

matt snow white		A 595 KO5 WWM
-----------------	---	---------------

matt graphite black		A 595 KO5 SWM
---------------------	---	---------------

matt anthracite		A 595 BF KO5 ANM
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# A range



Ref.-no.

## 2-gang rocker with arrow symbols

for blind switch insert ref.-no.: 509 VU

for blind push-button insert ref.-no.: 539 VU

### Duroplastic (scratch-proof) glossy

white	IP	A 595 P WW
black	IP	A 595 P SW

### Duroplastic lacquered

aluminium	IP	A 595 P AL
champagne	IP	A 595 P CH
mocha	IP	A 595 P MO

### Thermoplastic (breakproof) high-gloss

white	IP	A 595 BF P WW
black	IP	A 595 BF P SW

### matt lacquered

matt snow white	IP	A 595 P WWM
matt graphite black	IP	A 595 P SWM
matt anthracite	IP	A 595 BF P ANM

### Holder plate

for frame fixing and 2-gang rocker bearing  
(Spare part)

black	AS 90-5 HP
-------	------------

## 3-gang rocker

for 3-gang switch insert ref.-no.: 5301 EU, 5306 EU

### Thermoplastic (breakproof) high-gloss

white	L	A 593 BF WW
black	L	A 593 BF SW

### Thermoplastic (breakproof) lacquered

aluminium	P L	A 593 BF AL
champagne	P	A 593 BF CH
mocha		A 593 BF MO

### matt lacquered

matt snow white	A 593 BF WWM
matt graphite black	A 593 BF SWM
matt anthracite	A 593 BF ANM

### Holder plate

for frame fixing and 3-gang rocker bearing  
(Spare part)

black	A 93 HP
-------	---------

Ref.-no.

**Centre plate**

for key switch inserts ref.-no.: 104.28, 134.18, 134.28, 133.18, 138.18, 106.28

for key switch inserts IP 44 ref.-no.: CD 104.18 WU, CD 134.18 WU, CD 133.18 WU, CD 106.18 WU

**Thermoplastic (breakproof) high-gloss**

white	IP	L	A 528 PL WW
black	IP	L	A 528 PL SW

**Thermoplastic (breakproof) lacquered**

aluminium	IP	P	L	A 528 PL AL
champagne	IP	P		A 528 PL CH
mocha	IP			A 528 PL MO

**matt lacquered**

matt snow white	IP	A 528 PL WWM
matt graphite black	IP	A 528 PL SWM
matt anthracite	IP	A 528 PL ANM

One escutcheon plate with symbols and one without symbols included in delivery.

Height of escutcheon plate: 11 mm




**Centre plate**

for key switch inserts ref.-no.: 104.15, 134.15, 133.15, 106.15

**Thermoplastic (breakproof) high-gloss**

white	L	A 525 PL WW
black	L	A 525 PL SW

**Thermoplastic (breakproof) lacquered**

aluminium			A 525 PL AL
champagne			A 525 PL CH
mocha			A 525 PL MO

**Centre plate with knob**

for rotary switch insert ref.-no.: 1101-4, 1101-20

for timer switch insert ref.-no.: 11015, 11120-20

for rotary blind switch insert ref.-no.: 1234.10, 1234.20

**Duroplastic (scratch-proof) glossy**

white		A 1541 WW
black		A 1541 SW

**Duroplastic lacquered**

aluminium	IP	P	L	A 1541 AL
champagne	IP	P		A 1541 CH
mocha	IP			A 1541 MO

**Thermoplastic (breakproof) high-gloss**

white	IP	L	A 1541 BF WW
black	IP	L	A 1541 BF SW

**matt lacquered**

matt snow white	IP	A 1541 BF WWM
matt graphite black	IP	A 1541 BF SWM
matt anthracite	IP	A 1541 BF ANM

also for volume control WHD type: LST..JU UP and LR..JU UP

and for program selection WHD type: PRO 3 JU..



# A range



Ref.-no.

## SCHUKO® socket 16 A / 250 V ~

Screwless terminals for wires up to 2.5 mm<sup>2</sup>

Without claws: ref.-no. with additional "N", e.g.: ..1520 N..



With screw terminals: ref.-no. ..1521..

Supporting frame, claws and claw screws are integrated into the earth protection.

### Duroplastic (scratch-proof) glossy

white		A 1520 WW
black		A 1520 SW

### Duroplastic lacquered

aluminium	 	A 1520 AL
champagne		A 1520 CH
mocha		A 1520 MO

### Thermoplastic (breakproof) high-gloss

white		A 1520 BF WW
black		A 1520 BF SW
blue		A 1520 BF BL
green		A 1520 BF GN
orange		A 1520 BF O
red		A 1520 BF RT

### matt lacquered

matt snow white		A 1520 BF WWM
matt graphite black		A 1520 BF SWM
matt anthracite		A 1520 BF ANM

## SCHUKO® socket 16 A / 250 V ~

### with enhanced contact protection (shutter)


Screwless terminals for wires up to 2.5 mm<sup>2</sup>

Without claws: ref.-no. with additional "N", e.g.: ..1520 N..




With screw terminals: ref.-no. ..1521..

Supporting frame, claws and claw screws are integrated into the earth protection.


### Duroplastic (scratch-proof) glossy

white		A 1520 KI WW
black		A 1520 KI SW

### Duroplastic lacquered

aluminium	 	A 1520 KI AL
champagne		A 1520 KI CH
mocha		A 1520 KI MO

### Thermoplastic (breakproof) high-gloss

white		A 1520 BFKI WW
black		A 1520 BFKI SW
blue		A 1520 BFKI BL
green		A 1520 BFKI GN
orange		A 1520 BFKI O
red		A 1520 BFKI RT

### matt lacquered

matt snow white		A 1520 BFKI WWM
matt graphite black		A 1520 BFKI SWM
matt anthracite		A 1520 BFKI ANM


Ref.-no.

## SCHUKO® socket 16 A / 250 V ~




Screw terminals for wires up to 2.5 mm<sup>2</sup>

Supporting frame, claws and claw screws are integrated into the earth protection.



### Duroplastic (scratch-proof) glossy

white		A 1521 WW
black		A 1521 SW

### Duroplastic lacquered

aluminium	 	A 1521 AL
champagne		A 1521 CH
mocha		A 1521 MO

### Thermoplastic (breakproof) high-gloss

white		A 1521 BF WW
black		A 1521 BF SW
green		A 1521 BF GN
orange		A 1521 BF O

### matt lacquered

matt snow white		A 1521 BF WWM
matt graphite black		A 1521 BF SWM
matt anthracite		A 1521 BF ANM


## SCHUKO® socket 16 A / 250 V ~

### with enhanced contact protection (shutter)




Screw terminals for wires up to 2.5 mm<sup>2</sup>

Supporting frame, claws and claw screws are integrated into the earth protection.



### Duroplastic (scratch-proof) glossy

white		A 1521 KI WW
black		A 1521 KI SW

### Duroplastic lacquered

aluminium	 	A 1521 KI AL
champagne		A 1521 KI CH
mocha		A 1521 KI MO

### Thermoplastic (breakproof) high-gloss

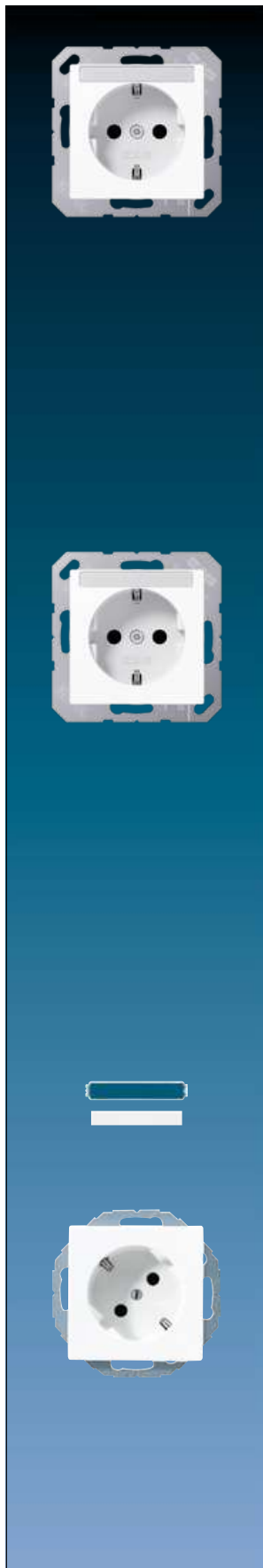
white		A 1521 BFKI WW
black		A 1521 BFKI SW
green		A 1521 BFKI GN
orange		A 1521 BFKI O

### matt lacquered

matt snow white		A 1521 BFKI WWM
matt graphite black		A 1521 BFKI SWM
matt anthracite		A 1521 BFKI ANM



# A range



Ref.-no.

## SCHUKO® socket 16 A / 250 V ~

### with inscription field 6 x 46 mm


Screwless terminals for wires up to 2.5 mm<sup>2</sup>

Without claws: ref.-no. with additional "N", e.g.: ..1520 N..

With screw terminals: ref.-no. ..1521..

Supporting frame, claws and claw screws are integrated into the earth protection.

### Thermoplastic (breakproof) high-gloss

white	 A 1520 BFNA WW
black	A 1520 BFNA SW
green	A 1520 BFNA GN
orange	A 1520 BFNA O
red	A 1520 BFNA RT

### Thermoplastic (breakproof) lacquered

aluminium	A 1520 BFNA AL
<b>matt lacquered</b>	
matt snow white	A 1520 BFNA WWM
matt graphite black	A 1520 BFNA SWM
matt anthracite	A 1520 BFNA ANM

## SCHUKO® socket 16 A / 250 V ~

### with enhanced contact protection (shutter)

### with inscription field 6 x 46 mm


Screwless terminals for wires up to 2.5 mm<sup>2</sup>

Without claws: ref.-no. with additional "N", e.g.: ..1520 N..

With screw terminals: ref.-no. ..1521..

Supporting frame, claws and claw screws are integrated into the earth protection.

### Thermoplastic (breakproof) high-gloss

white	 A 1520 BFKINA WW
black	A 1520 BFKINA SW
green	A 1520 BFKINA GN
orange	A 1520 BFKINA O
red	A 1520 BFKINA RT

### Thermoplastic (breakproof) lacquered

aluminium	A 1520 BFKINA AL
<b>matt lacquered</b>	
matt snow white	A 1520 BFKINA WWM
matt graphite black	A 1520 BFKINA SWM
matt anthracite	A 1520 BFKINA ANM

### Transparent cover with paper inlay

for inscription field 6 x 46 mm

(Spare part)

paper inlay white	A 20 NA
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## SCHUKO® socket 45°, 16 A / 250 V ~


### with enhanced contact protection (shutter)

Screwless terminals for wires up to 2.5 mm<sup>2</sup>

especially suitable for vertical combination of several outlets

Without claws: ref.-no. with additional "N", e.g.: ..520-45 N..

### Duroplastic (scratch-proof) glossy

white	 A 520-45 KI WW
black	A 520-45 KI SW

### Duroplastic lacquered

aluminium	  A 520-45 KI AL
-----------	--




Ref.-no.

**SCHUKO® socket 16 A / 250 V ~****with pilot light (green LED) ref.-no.: 193-LED GN****with enhanced contact protection (shutter)**Screwless terminals for wires up to 2.5 mm<sup>2</sup>

Without claws: ref.-no. with additional "N", e.g.: ..1520 N..

Supporting frame, claws and claw screws are integrated into the earth protection.

**Thermoplastic (breakproof) high-gloss**

white	 <b>A 1520 BFKO WW</b>
green	<b>A 1520 BFKO GN</b>
orange	<b>A 1520 BFKO O</b>
red	<b>A 1520 BFKO RT</b>


Spare pilot light exchangeable from the front without disconnecting the mains

**SCHUKO® socket 16 A / 250 V ~****with pilot light (green LED) ref.-no.: 193-LED GN****with enhanced contact protection (shutter)****with inscription field 6 x 46 mm**Screwless terminals for wires up to 2.5 mm<sup>2</sup>

Without claws: ref.-no. with additional "N", e.g.: ..1520 N..

Supporting frame, claws and claw screws are integrated into the earth protection.

**Thermoplastic (breakproof) high-gloss**

white	 <b>A 1520 BFNAKO WW</b>
green	<b>A 1520 BFNAKO GN</b>
orange	<b>A 1520 BFNAKO O</b>
red	<b>A 1520 BFNAKO RT</b>

**Thermoplastic (breakproof) high-gloss – antibacterial**

white	<b>ABA 1520 BFNAKO WW</b>
green	<b>ABA 1520 BFNAKO GN</b>
orange	<b>ABA 1520 BFNAKO O</b>
red	<b>ABA 1520 BFNAKO RT</b>

Spare pilot light exchangeable from the front without disconnecting the mains

**Transparent cover with paper inlay**

for inscription field 6 x 46 mm

(Spare part)

paper inlay white	<b>A 20 NA</b>
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**SCHUKO® socket with USB charger****with enhanced contact protection (shutter)**

with 1 USB port type A

with quick charge function

Screwless terminals for wires up to 2.5 mm<sup>2</sup>

Installation in flush box according to EN 60670-1

Installation depth: 48 mm

**Thermoplastic (breakproof) high-gloss**

white	<b>A 1520-18 A WW</b>
black	<b>A 1520-18 A SW</b>

**Thermoplastic (breakproof) lacquered**

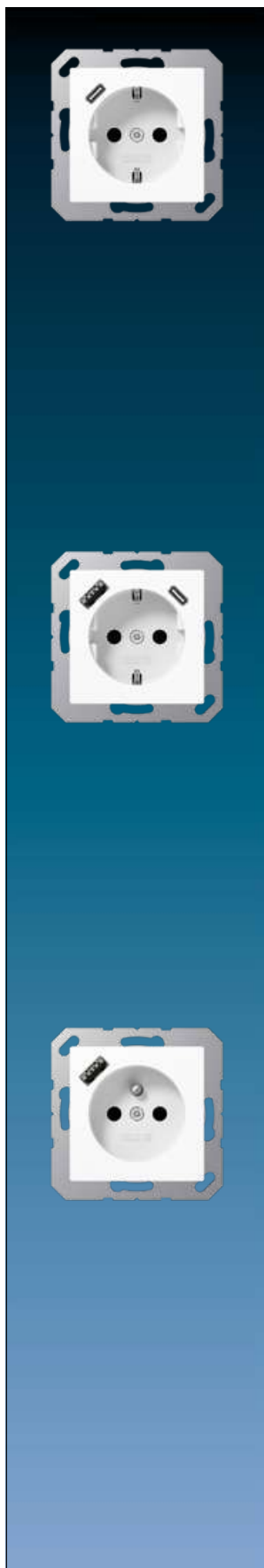
aluminium	<b>A 1520-18 A AL</b>
champagne	<b>A 1520-18 A CH</b>
mocha	<b>A 1520-18 A MO</b>

**matt lacquered**

matt snow white	<b>A 1520-18 A WWM</b>
matt graphite black	<b>A 1520-18 A SWM</b>
matt anthracite	<b>A 1520-18 A ANM</b>



# A range



Ref.-no.

## SCHUKO® socket with USB charger with enhanced contact protection (shutter)

with 1 USB port type C  
with quick charge function

Screwless terminals for wires up to 2.5 mm<sup>2</sup>

Installation in flush box according to EN 60670-1

Installation depth: 48 mm



### Thermoplastic (breakproof) high-gloss

white	A 1520-18 C WW
-------	----------------

black	A 1520-18 C SW
-------	----------------

### Thermoplastic (breakproof) lacquered

aluminium	A 1520-18 C AL
-----------	----------------

champagne	A 1520-18 C CH
-----------	----------------

mocha	A 1520-18 C MO
-------	----------------

### matt lacquered

matt snow white	A 1520-18 C WWM
-----------------	-----------------

matt graphite black	A 1520-18 C SWM
---------------------	-----------------

matt anthracite	A 1520-18 C ANM
-----------------	-----------------

## SCHUKO® socket with USB charger with enhanced contact protection (shutter)

with 1 USB port type A and 1 USB port type C

Screwless terminals for wires up to 2.5 mm<sup>2</sup>

Installation in flush box according to EN 60670-1

Installation depth: 48 mm

### Thermoplastic (breakproof) high-gloss

white	A 1520-15 CA WW
-------	-----------------

black	A 1520-15 CA SW
-------	-----------------

### Thermoplastic (breakproof) lacquered

aluminium	A 1520-15 CA AL
-----------	-----------------

champagne	A 1520-15 CA CH
-----------	-----------------

mocha	A 1520-15 CA MO
-------	-----------------

### matt lacquered

matt snow white	A 1520-15 CA WWM
-----------------	------------------

matt graphite black	A 1520-15 CA SWM
---------------------	------------------

matt anthracite	A 1520-15 CA ANM
-----------------	------------------

## Socket, French/Belgian system with USB charger

2-pole + male earth pin, 16 A / 250 V ~

with enhanced contact protection (shutter)

with 1 USB port type A

with quick charge function

Screwless terminals for wires up to 2.5 mm<sup>2</sup>

Installation in flush box according to EN 60670-1

Installation depth: 48 mm



### Thermoplastic (breakproof) high-gloss

white	A 1520 F-18 A WW
-------	------------------

black	A 1520 F-18 A SW
-------	------------------

### Thermoplastic (breakproof) lacquered

aluminium	A 1520 F-18 A AL
-----------	------------------

champagne	A 1520 F-18 A CH
-----------	------------------

mocha	A 1520 F-18 A MO
-------	------------------

### matt lacquered

matt snow white	A 1520F-18 A WWM
-----------------	------------------

matt graphite black	A 1520F-18 A SWM
---------------------	------------------

matt anthracite	A 1520F-18 A ANM
-----------------	------------------

Ref.-no.

## Socket, French/Belgian system with USB charger

2-pole + male earth pin, 16 A / 250 V ~

with enhanced contact protection (shutter)

with 1 USB port type C

with quick charge function

Screwless terminals for wires up to 2.5 mm<sup>2</sup>

Installation in flush box according to EN 60670-1

Installation depth: 48 mm



### Thermoplastic (breakproof) high-gloss

white	A 1520 F-18 C WW
black	A 1520 F-18 C SW

### Duroplastic lacquered

aluminium	A 1520 F-18 C AL
champagne	A 1520 F-18 C CH
mocha	A 1520 F-18 C MO

### matt lacquered

matt snow white	A 1520F-18 C WWM
matt graphite black	A 1520F-18 C SWM
matt anthracite	A 1520F-18 C ANM

## Socket, French/Belgian system with USB charger

2-pole + male earth pin, 16 A / 250 V ~

with enhanced contact protection (shutter)

with 1 USB port type A and 1 USB port type C

Screwless terminals for wires up to 2.5 mm<sup>2</sup>

Installation in flush box according to EN 60670-1

Installation depth: 48 mm

### Thermoplastic (breakproof) high-gloss

white	A 1520 F-15 CA WW
black	A 1520 F-15 CA SW

### Thermoplastic (breakproof) lacquered

aluminium	A 1520 F-15 CA AL
champagne	A 1520 F-15 CA CH
mocha	A 1520 F-15 CA MO

### matt lacquered

matt snow white	A 1520F-15 CA WWM
matt graphite black	A 1520F-15 CA SWM
matt anthracite	A 1520F-15 CA ANM

## SCHUKO® socket 16 A / 250 V ~

### with surge voltage protection

Screw terminals for wires up to 2.5 mm<sup>2</sup>

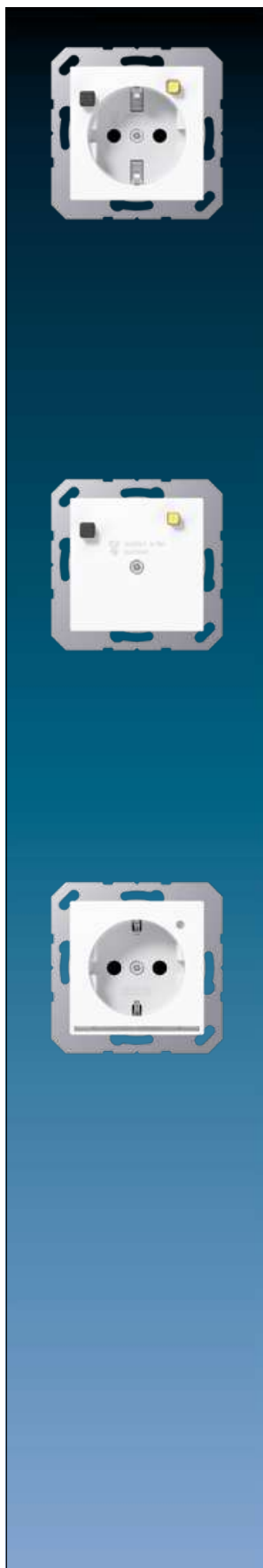
Without claws: ref.-no. with additional "N", e.g.: ..521 N..

### Duroplastic (scratch-proof) glossy

white	A 521 UF WW
-------	-------------



# A range



Ref.-no.

**SCHUKO® socket with RCD (residual current device) 16 A / 250 V ~**  
**according to DIN EN 61008-1 (VDE 0664-10) and DIN EN 61008-2-1 (VDE 0664-11)**

**Rated residual current: 30 mA**  
**with enhanced contact protection (shutter)**

Screwless terminals for wires up to 2.5 mm<sup>2</sup>  
 not suitable for installation in surface caps

The SCHUKO socket with RCD is suitable to replace sockets in older installations.

Sockets that are connected to the RCD-protected output terminals (L' N') are likewise RCD-protected.

The electrical installation up to the SCHUKO® socket with RCD is not protected.

The socket can also be switched on and off manually, using the built-in switch.

**Thermoplastic (breakproof) high-gloss**

white **A 5520.30 WW**

black **A 5520.30 SW**

**Thermoplastic (breakproof) lacquered**

aluminium **A 5520.30 AL**

**RCD (residual current device) 16 A / 250 V ~**  
**according to DIN EN 61008-1 (VDE 0664-10) and DIN EN 61008-2-1 (VDE 0664-11)**

**Rated residual current: 30 mA**

Screwless terminals for wires up to 2.5 mm<sup>2</sup>

not suitable for installation in surface caps

suitable for cables with 2 or 3 conductors

Installation into flush box with a depth of 60 mm is recommended. Protection device with voltage-independent function. The sockets connected to the output terminals are protected acc. to DIN VDE 0100-410.

The electrical installation up to the RCD is not protected!

**Thermoplastic (breakproof) high-gloss**

white **A 5530 FIB WW**

black **A 5530 FIB SW**

**Thermoplastic (breakproof) lacquered**

aluminium **A 5530 FIB AL**

**SCHUKO® socket 16 A / 250 V ~**  
**with LED floor pilot light**  
**with integrated brightness sensor**  
**with enhanced contact protection (shutter)**

Screwless terminals for wires up to 2.5 mm<sup>2</sup>

Installation into flush box min. 63 mm (depth)

with white LEDs (colour temperature 4000 K)

Power consumption stand-by / ON: 0.3 / 0.5 W

Supporting frame, claws and claw screws are integrated into the earth protection.

**Thermoplastic (breakproof) high-gloss**

white **A 1520-O WW LNW**

black **A 1520-O SW LNW**

**Thermoplastic (breakproof) lacquered**

aluminium **A 1520-O AL LNW**

champagne **A 1520-O CH LNW**

mocha **A 1520-O MO LNW**

**matt lacquered**

matt snow white **A 1520-O WWM LNW**

matt graphite black **A 1520-O SWM LNW**

matt anthracite **A 1520-O ANM LNW**

Ref.-no.

**LED floor pilot light****with integrated brightness sensor**Screwless terminals for wires up to 2.5 mm<sup>2</sup>

Installation into flush box min. 63 mm (depth)

with white LEDs (colour temperature 4000 K)

Power consumption stand-by / ON: 0.3 / 0.5 W

Supporting frame, claws and claw screws are integrated into the earth protection.

**Thermoplastic (breakproof) high-gloss**

white A 1539-O WW LNW

black A 1539-O SW LNW

**Thermoplastic (breakproof) lacquered**

aluminium A 1539-O AL LNW

champagne A 1539-O CH LNW

mocha A 1539-O MO LNW

**matt lacquered**

matt snow white A 1539-O WWM LNW

matt graphite black A 1539-O SWM LNW

matt anthracite A 1539-O ANM LNW

**LED floor pilot light**Screwless terminals for wires up to 2.5 mm<sup>2</sup>

Installation into flush box min. 63 mm (depth)

with white LEDs (colour temperature 4000 K)

Power consumption (ON): 0.5 W

The floor pilot light can be switched via an external switch.

Supporting frame, claws and claw screws are integrated into the earth protection.

**Thermoplastic (breakproof) high-gloss**

white A 1539-OO WW LNW

black A 1539-OO SW LNW

**Thermoplastic (breakproof) lacquered**

aluminium A 1539-OO AL LNW

champagne A 1539-OO CH LNW

mocha A 1539-OO MO LNW

**matt lacquered**

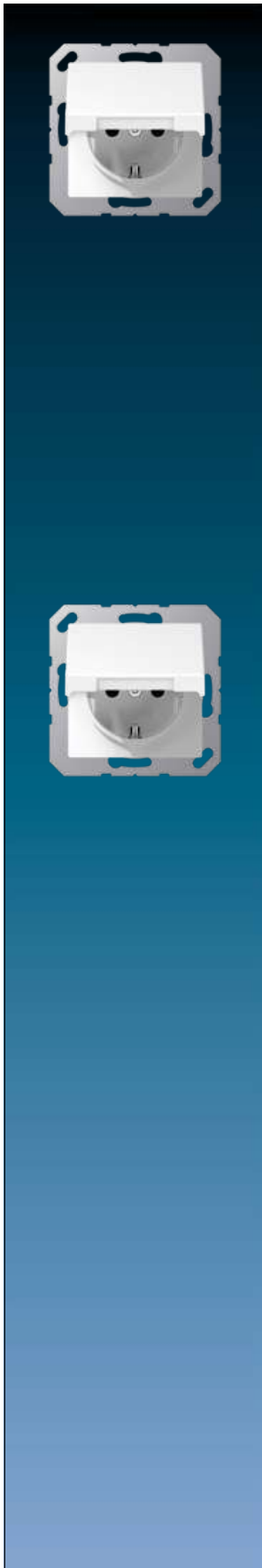
matt snow white A 1539-OO WWM LNW

matt graphite black A 1539-OO SWM LNW

matt anthracite A 1539-OO ANM LNW



# A range



Ref.-no.

## SCHUKO® socket 16 A / 250 V ~

### with hinged lid (with spring)

Screwless terminals for wires up to 2.5 mm<sup>2</sup>

Without claws: ref.-no. with additional "N", e.g.: ..1520 N..

With screw terminals: ref.-no. ..1521..

Supporting frame, claws and claw screws are integrated into the earth protection.

### Duroplastic (scratch-proof) glossy

white	 	A 1520 KL WW
-------	---	--------------

black		A 1520 KL SW
-------	---	--------------

### Thermoplastic (breakproof) high-gloss

white	 	A 1520 BFKL WW
-------	---	----------------

black	 	A 1520 BFKL SW
-------	---	----------------

### Thermoplastic (breakproof) lacquered

aluminium	  	A 1520 BFKL AL
-----------	---	----------------


champagne	 	A 1520 BFKL CH
-----------	---	----------------

mocha		A 1520 BFKL MO
-------	---	----------------

### matt lacquered

matt snow white		A 1520 BFKL WWM
-----------------	---	-----------------

matt graphite black		A 1520 BFKL SWM
---------------------	---	-----------------

matt anthracite		A 1520 BFKL ANM
-----------------	---	-----------------

## SCHUKO® socket 16 A / 250 V ~

### with hinged lid (with spring)

### with enhanced contact protection (shutter)



Screwless terminals for wires up to 2.5 mm<sup>2</sup>

Without claws: ref.-no. with additional "N", e.g.: ..1520 N..

With screw terminals: ref.-no. ..1521..



Supporting frame, claws and claw screws are integrated into the earth protection.

### Duroplastic (scratch-proof) glossy

white	 	A 1520 KIKL WW
-------	---	----------------




black		A 1520 KIKL SW
-------	---	----------------

### Thermoplastic (breakproof) high-gloss

white	 	A 1520 BFKIKL WW
-------	---	------------------

black	 	A 1520 BFKIKL SW
-------	---	------------------

### Thermoplastic (breakproof) lacquered

aluminium	  	A 1520 BFKIKL AL
-----------	---	------------------

champagne	 	A 1520 BFKIKL CH
-----------	---	------------------

mocha		A 1520 BFKIKL MO
-------	---	------------------

### matt lacquered

matt snow white		A 1520 BFKIKL WWM
-----------------	---	-------------------

matt graphite black		A 1520 BFKIKL SWM
---------------------	---	-------------------

matt anthracite		A 1520 BFKIKL ANM
-----------------	---	-------------------

Ref.-no.



## SCHUKO® socket 16 A / 250 V ~

### with hinged lid (with spring)



Screw terminals for wires up to 2.5 mm<sup>2</sup>

Supporting frame, claws and claw screws are integrated into the earth protection.







### Duroplastic (scratch-proof) glossy

white	 	A 1521 KL WW
black		A 1521 KL SW

### Thermoplastic (breakproof) high-gloss

white	 	A 1521 BFKL WW
black	 	A 1521 BFKL SW

### Thermoplastic (breakproof) lacquered

aluminium	  	A 1521 BFKL AL
champagne	 	A 1521 BFKL CH
mocha		A 1521 BFKL MO

### matt lacquered

matt anthracite		A 1521 BFKL ANM
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## SCHUKO® socket 16 A / 250 V ~




### with hinged lid (with spring)

### with enhanced contact protection (shutter)







Screw terminals for wires up to 2.5 mm<sup>2</sup>

Supporting frame, claws and claw screws are integrated into the earth protection.





### Duroplastic (scratch-proof) glossy

white	 	A 1521 KIKL WW
black		A 1521 KIKL SW




### Duroplastic lacquered

aluminium	  	A 1521 KIKL AL
champagne	 	A 1521 KIKL CH
mocha		A 1521 KIKL MO

### Thermoplastic (breakproof) high-gloss

white	 	A 1521 BFKIKL WW
black	 	A 1521 BFKIKL SW

### matt lacquered

matt snow white		A 1521 BFKIKL WWM
matt graphite black		A 1521 BFKIKL SWM
matt anthracite		A 1521 BFKIKL ANM

## SCHUKO® socket 16 A / 250 V ~

### with hinged lid (with spring)

### with pilot light (green LED) ref.-no.: 193-LED GN






### with enhanced contact protection (shutter)

Screwless terminals for wires up to 2.5 mm<sup>2</sup>

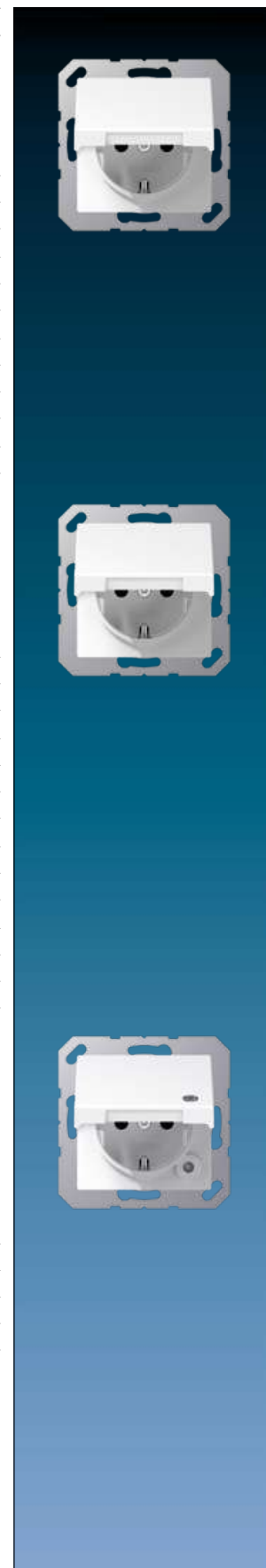
Without claws: ref.-no. with additional "N", e.g.: ..1520 N..

Supporting frame, claws and claw screws are integrated into the earth protection.

### Thermoplastic (breakproof) high-gloss

white	 	A 1520 BFKLKO WW
green		A 1520 BFKLKO GN
orange		A 1520 BFKLKO O
red		A 1520 BFKLKO RT

Spare pilot light exchangeable from the front without disconnecting the mains



# A range



Ref.-no.

## SCHUKO® socket 16 A / 250 V ~

with hinged lid (with spring)

with safety lock (24 different locks)

with enhanced contact protection (shutter)

Screwless terminals for wires up to 2.5 mm<sup>2</sup>

Without claws: ref.-no. with additional "N", e.g.: ..1520 N..

With screw terminals: ref.-no. ..1521..

Supporting frame, claws and claw screws are integrated into the earth protection.

### Thermoplastic (breakproof) high-gloss

white	IP	L	A 1520 BFKLSL WW
black	IP	L	A 1520 BFKLSL SW
green	IP		A 1520 BFKLSL GN
orange	IP		A 1520 BFKLSL O

### Thermoplastic (breakproof) lacquered

aluminium	IP	P	L	A 1520 BFKLSL AL
champagne	IP	P		A 1520 BFKLSL CH
mocha	IP			A 1520 BFKLSL MO

### matt lacquered

matt anthracite	IP			A 1520 BFKLSL ANM
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### Key

(Spare part)

for all hinged lids with safety lock

1 piece

802 SL – 825 SL

When ordering, please indicate lock number!

## Socket, 2-pole without earth 16 A / 250 V ~

Screw terminals for wires up to 2.5 mm<sup>2</sup>

### Duroplastic (scratch-proof) glossy

white	P	A 511 N WW
black		A 511 N SW

### Duroplastic lacquered

aluminium	P	L	A 511 N AL
champagne	P		A 511 N CH
mocha			A 511 N MO

### matt lacquered

matt snow white		A 511 N WWM
matt graphite black		A 511 N SWM

## Socket for Switzerland

### 1-gang socket type 13

10 A 250 V ~, L + N + PE

Screwless terminals for wires up to 2.5 mm<sup>2</sup> acc. to SEV 1011-1998/IEC 884-1

Installation in flush box according to EN 60670-1

not suitable for installation in surface caps

with supporting frame, screw fixing only

### Thermoplastic (breakproof) high-gloss

white	L	A 1520-13 BF SEV WW
black	L	A 1520-13 BF SEV SW

### Thermoplastic (breakproof) lacquered

aluminium	P	L	A 1520-13 BF SEV AL
champagne	P		A 1520-13 BF SEV CH
mocha			A 1520-13 BF SEV MO

### matt lacquered

matt graphite black		A 1520-13 SEV SWM
matt snow white		A 1520-13 SEV WWM



Ref.-no.

## Socket insert, French/Belgian system

2-pole + male earth pin, 16 A / 250 V ~

Supporting frame, claws and claw screws are integrated into the earth protection.

### with claws

with screwless terminals	1520 F EINS
with screw terminals	1521 F EINS

## Socket insert, French/Belgian system

2-pole + male earth pin, 16 A / 250 V ~

Supporting frame is integrated into the earth protection.

### without claws

with screwless terminals	1520 NF EINS
with screw terminals	1521 NF EINS

## Centre plate

for socket insert French/Belgian system, ref.-no.: 1520 ..F EINS, 1521 ..F EINS

### Duroplastic (scratch-proof) glossy

white	P	A 1521 F WW PL-1
black		A 1521 F SW PL-1

### Duroplastic lacquered

aluminium	P L	A 1521 F AL PL-1
champagne	P	A 1521 F CH PL-1
mocha		A 1521 F MO PL-1

### matt lacquered

matt anthracite		A 1521 FBF ANM P1
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## Centre plate

for socket insert French/Belgian system, ref.-no.: 1520 ..F EINS, 1521 ..F EINS

### with enhanced contact protection (shutter)

### Duroplastic (scratch-proof) glossy

white	P	A 1521 FKI WW PL-1
black		A 1521 FKI SW PL-1

### Duroplastic lacquered

aluminium	P L	A 1521 FKI AL PL-1
champagne	P	A 1521 FKI CH PL-1
mocha		A 1521 FKI MO PL-1

### matt lacquered

matt snow white		A 1521 FKI WWM PL-1
matt graphite black		A 1521 FKI SWM PL-1

## Centre plate

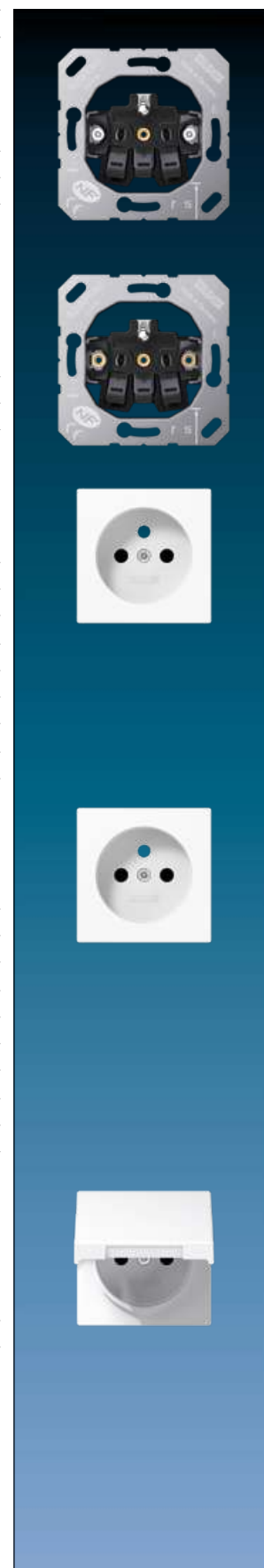
with hinged lid (with spring)

for socket insert French/Belgian system, ref.-no.: 1520 ..F EINS, 1521 ..F EINS

### with enhanced contact protection (shutter)

### Duroplastic (scratch-proof) glossy

white	P P	A 1521 FKIKL WW PL1
-------	-----	---------------------



# A range



**Socket US NEMA system**  
**15 A, 125 V ~, 5-15R, 2-pole + earth**  
 Screw terminals for wires up to 4 mm<sup>2</sup> acc. to US-NEMA

**Thermoplastic (breakproof) high-gloss**

white	<b>A 521-15 WW</b>
black	<b>A 521-15 SW</b>

**Thermoplastic (breakproof) lacquered**

aluminium	plug socket black	<b>A 521-15 AL</b>
<b>matt lacquered</b>		
matt snow white		<b>A 521-15 WWM</b>
matt graphite black	plug socket black	<b>A 521-15 SWM</b>



**Socket US NEMA system**  
**20 A, 125 V ~, 5-20R, 2-pole + earth**  
 Screw terminals for wires up to 4 mm<sup>2</sup> acc. to US-NEMA

**Thermoplastic (breakproof) high-gloss**

white		<b>A 521-20 WW</b>
black	plug socket black	<b>A 521-20 SW</b>

**Thermoplastic (breakproof) lacquered**

aluminium	plug socket black	<b>A 521-20 AL</b>
<b>matt lacquered</b>		
matt snow white		<b>A 521-20 WWM</b>
matt graphite black	plug socket black	<b>A 521-20 SWM</b>



**Socket insert British Standard 1363**  
**13 A 250 V ~**  
 2-pole + earth, with enhanced contact protection (shutter)  
 Screw terminals for wires up to 4 mm<sup>2</sup>  
 without switch

**3521 EINS**



**Centre plate**  
 for socket insert ref.-no. 3521 EINS

**Duroplastic (scratch-proof) glossy**

white	<b>A 3521 WW PL</b>
black	<b>A 3521 SW PL</b>

**Duroplastic lacquered**

aluminium	<b>A 3521 AL PL</b>
champagne	<b>A 3521 CH PL</b>
mocha	<b>A 3521 MO PL</b>

**matt lacquered**

matt snow white	<b>A 3521 WWM</b>
matt graphite black	<b>A 3521 SWM</b>

Ref.-no.

**Switched socket insert British Standard 1363****13 A 250 V ~**

2-pole + earth, with enhanced contact protection (shutter)

Screw terminals for wires up to 4 mm<sup>2</sup>

without indicator light

**3171 EINS**

with indicator light

**3171 KO EINS****Centre plate**

for socket insert ref.-no. 3171 EINS

**Duroplastic (scratch-proof) glossy**

white

**A 3171 WW PL**

black

**A 3171 SW PL****Duroplastic lacquered**

aluminium

**A 3171 AL PL**

champagne

**A 3171 CH PL**

mocha

**A 3171 MO PL****Thermoplastic (breakproof) high-gloss**

white

**A 3171 BF WW PL**

black

**A 3171 BF SW PL****matt lacquered**

matt snow white

**A 3171 BF WWM PL**

matt graphite black

**A 3171 BF SWM PL**

matt anthracite

**A 3171 BF ANM PL****Centre plate**

for socket insert ref.-no. 3171 KO EINS

**Duroplastic (scratch-proof) glossy**

white

**A 3171 KO WW PL**

black

**A 3171 KO SW PL****Duroplastic lacquered**

aluminium

**A 3171 KO AL PL**

champagne

**A 3171 KO CH PL**

mocha

**A 3171 KO MO PL****Thermoplastic (breakproof) high-gloss**

white

**A 3171 BFKO WW PL**

black

**A 3171 BFKO SW PL****matt lacquered**

matt snow white

**A 3171 BFKO WWM PL**

matt graphite black






**A 3171 BFKO SWM PL**

matt anthracite

**A 3171 BFKO ANM PL**

# A range



Ref.-no.	
<b>Socket insert British Standard 546</b>	
<b>5 A 250 V ~</b>	
2-pole + earth, with enhanced contact protection (shutter)	
Screw terminals for wires up to 4 mm <sup>2</sup>	
without switch	
	<b>3171-5 EINS</b>
<b>Centre plate</b>	
for socket insert ref.-no. 3171-5 EINS	
<b>Duroplastic (scratch-proof) glossy</b>	
white	<b>A 3171-5 WW PL</b>
black	<b>A 3171-5 SW PL</b>
<b>Duroplastic lacquered</b>	
aluminium	<b>A 3171-5 AL PL</b>
champagne	<b>A 3171-5 CH PL</b>
mocha	<b>A 3171-5 MO PL</b>
<b>matt lacquered</b>	
matt snow white	<b>A 3171-5 WWM PL</b>
matt graphite black	<b>A 3171-5 SWM PL</b>
<b>Socket insert for China</b>	
consisting of:	
2-pole without earth for flat and rounded pins and	
2-pole with earth only for flat pins	
with enhanced contact protection (shutter)	
Screw terminals for wires up to 4 mm <sup>2</sup>	
screw fixing only, without claws	
Supporting frame is integrated into the earth protection.	
without switch	
	<b>3521-5 CN EINS</b>
<b>Centre plate</b>	
for Chinese socket combination, ref.-no. 3521-5 CN EINS	
<b>Duroplastic (scratch-proof) glossy</b>	
white	 <b>A 3521-5 CN WW PL</b>
<b>Duroplastic lacquered</b>	
aluminium	  <b>A 3521-5 CN AL PL</b>
champagne	 <b>A 3521-5 CN CH PL</b>
mocha	<b>A 3521-5 CN MO PL</b>
<b>Thermoplastic (breakproof) high-gloss</b>	
white	 <b>A 3521-5 CNBF WW PL</b>
<b>matt lacquered</b>	
matt anthracite	<b>A 3521-5 CNBF ANM PL</b>

	Ref.-no.
<b>Socket insert for India</b>	
<b>16 A 250 V ~</b>	
2-pole + earth, with enhanced contact protection (shutter)	
Screw terminals for wires up to 4 mm <sup>2</sup>	
without switch	<b>521 IN-EINS</b>
<b>Centre plate</b>	
for socket insert for India, ref.-no. 521 IN-EINS	
<b>Duroplastic (scratch-proof) glossy</b>	
white	<b>A 521 IN WW PL</b>
black	<b>A 521 IN SW PL</b>
<b>Duroplastic lacquered</b>	
aluminium	<b>A 521 IN AL PL</b>
champagne	<b>A 521 IN CH PL</b>
mocha	<b>A 521 IN MO PL</b>
<b>Thermoplastic (breakproof) high-gloss</b>	
white	<b>A 521 IN BF WW PL</b>
<b>matt lacquered</b>	
matt anthracite	<b>A 521 IN BF ANM PL</b>
<b>Switched cable unit with fuse</b>	
<b>2-pole, 13 A 250 V ~</b>	
with indicator light	
Screw terminals for wires up to 4 mm <sup>2</sup>	
	<b>3190 CU KO EINS</b>
<b>Centre plate</b>	
for switched cable unit ref.-no. 3190 CU KO EINS	
white	<b>A 3190 CU KO WW PL</b>
black	<b>A 3190 CU KO SW PL</b>
aluminium	<b>A 3190 CU KO AL PL</b>
champagne	<b>A 3190 CU KO CH PL</b>
mocha	<b>A 3190 CU KO MO PL</b>



# A range



Ref.-no.

## Centre plate with knob

for rotary dimmer inserts ref.-no.: 1730 DD, 1731 DD, 211 GDE

for satellite dimmer insert ref.-no.: 1733 DNE

for electronic potentiometer 1 – 10 V ref.-no.: 240-10

for DALI rotary controllers ref.-no.: 1740 DSTE, 1741 DSTE

## Duroplastic (scratch-proof) glossy

white	IP P	A 1540 WW
black	IP	A 1540 SW

## Duroplastic lacquered

aluminium	IP P L	A 1540 AL
champagne	IP P	A 1540 CH
mocha	IP	A 1540 MO

## Thermoplastic (breakproof) high-gloss

white	IP L	A 1540 BF WW
black	IP L	A 1540 BF SW

## matt lacquered

matt snow white	IP	A 1540 BF WWM
matt graphite black	IP	A 1540 BF SWM
matt anthracite	IP	A 1540 BF ANM

## Sealing gasket

for covers for rotary dimmer inserts

IP	140 D
----	-------

To obtain protection level IP 44 the sealing gasket ref.-no.: 140 D has to be placed into the centre plate for rotary dimmer and IP 44 frame has to be used.

## Standard centre plate

for LB Management inserts "blinds" ref.-no.: 1730 JE and 1731 JE

for LB Management inserts "light"

ref.-no.: 1701 SE, 1704 ESE, 1702 SE, 1710 DE, 1711 DE, 1713 DSTE, 1720 NE, 1723 NE, 1708 IE

## Duroplastic (scratch-proof) glossy

white	A 1700 WW
black	A 1700 SW

## Duroplastic lacquered



aluminium	A 1700 AL
champagne	A 1700 CH
mocha	A 1700 MO

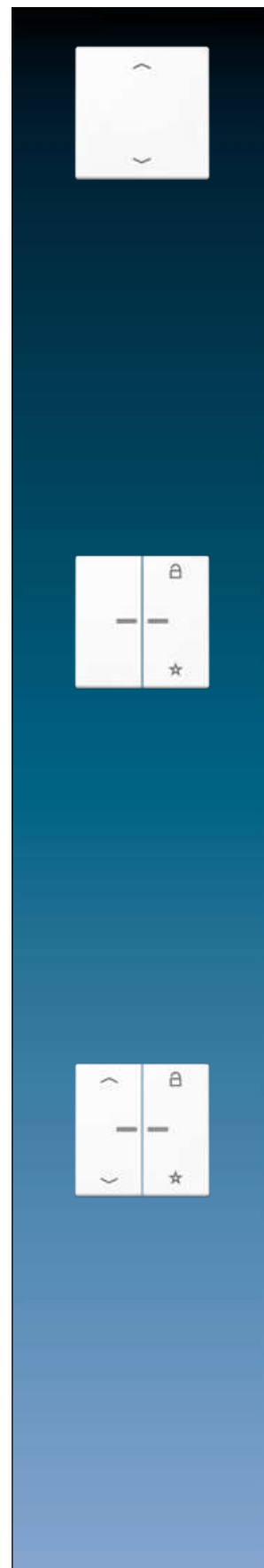
## Thermoplastic (breakproof) high-gloss

white	L A 1700 BF WW
black	L A 1700 BF SW

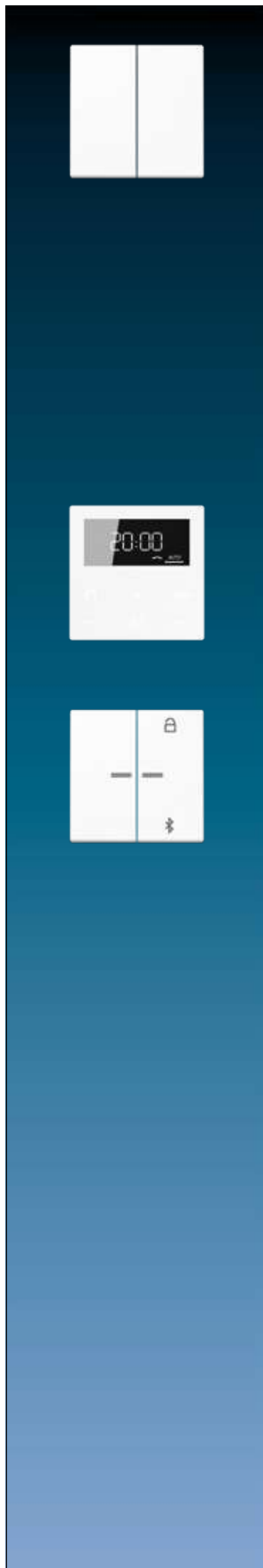
## matt lacquered

matt snow white	A 1700 BF WWM
matt graphite black	A 1700 BF SWM
matt anthracite	A 1700 BF ANM

	Ref.-no.
<b>Standard centre plate "arrows"</b>	
for LB Management inserts "blinds" ref.-no.: 1730 JE and 1731 JE	
for LB Management inserts "light"	
ref.-no.: 1701 SE, 1704 ESE, 1702 SE, 1710 DE, 1711 DE, 1713 DSTE, 1720 NE, 1723 NE, 1708 IE	
<b>Duroplastic (scratch-proof) glossy</b>	
white	A 1700 P WW
black	A 1700 P SW
<b>Duroplastic lacquered</b>	
aluminium	A 1700 P AL
champagne	A 1700 P CH
mocha	A 1700 P MO
<b>Thermoplastic (breakproof) high-gloss</b>	
white	A 1700 BFP WW
black	A 1700 BFP SW
<b>matt lacquered</b>	
matt snow white	A 1700 BFP WWM
matt graphite black	A 1700 BFP SWM
matt anthracite	A 1700 BFP ANM
<b>Universal centre plate</b>	
for LB Management inserts "blinds" ref.-no.: 1730 JE and 1731 JE	
for LB Management inserts "light"	
ref.-no.: 1701 SE, 1704 ESE, 1702 SE, 1710 DE, 1711 DE, 1713 DSTE, 1723 NE	
<b>Duroplastic (scratch-proof) glossy</b>	
white	A 1701 WW
black	A 1701 SW
<b>Duroplastic lacquered</b>	
aluminium	A 1701 AL
champagne	A 1701 CH
mocha	A 1701 MO
<b>Thermoplastic (breakproof) high-gloss</b>	
white	 A 1701 BF WW
black	 A 1701 BF SW
<b>matt lacquered</b>	
matt snow white	A 1701 BF WWM
matt graphite black	A 1701 BF SWM
matt anthracite	A 1701 BF ANM
<b>Universal centre plate "arrows"</b>	
for LB Management inserts "blinds" ref.-no.: 1730 JE and 1731 JE	
for LB Management inserts "light"	
ref.-no.: 1701 SE, 1704 ESE, 1702 SE, 1710 DE, 1711 DE, 1713 DSTE, 1723 NE	
<b>Duroplastic (scratch-proof) glossy</b>	
white	A 1701 P WW
black	A 1701 P SW
<b>Duroplastic lacquered</b>	
aluminium	A 1701 P AL
champagne	A 1701 P CH
mocha	A 1701 P MO
<b>Thermoplastic (breakproof) high-gloss</b>	
white	A 1701 BFP WW
black	A 1701 BFP SW
<b>matt lacquered</b>	
matt snow white	A 1701 BFP WWM
matt graphite black	A 1701 BFP SWM
matt anthracite	A 1701 BFP ANM



# A range



Ref.-no.	
<b>Standard centre plate 2-gang</b>	
for LB Management inserts "light" ref.-no.: 1702 SE, 1712 DE, 1713 DSTE, 1723 NE	
<b>Duroplastic (scratch-proof) glossy</b>	
white	<b>A 1702 WW</b>
black	<b>A 1702 SW</b>
<b>Duroplastic lacquered</b>	
aluminium	<b>A 1702 AL</b>
champagne	<b>A 1702 CH</b>
mocha	<b>A 1702 MO</b>
<b>Thermoplastic (breakproof) high-gloss</b>	
white	<b>A 1702 BF WW</b>
black	<b>A 1702 BF SW</b>
<b>matt lacquered</b>	
matt snow white	<b>A 1702 BF WWM</b>
matt graphite black	<b>A 1702 BF SWM</b>
matt anthracite	<b>A 1702 BF ANM</b>
<b>Standard timer with display</b>	
for LB Management inserts "blinds" ref.-no.: 1730 JE and 1731 JE	
for LB Management inserts "light"	
ref.-no.: 1701 SE, 1704 ESE, 1702 SE, 1710 DE, 1711 DE, 1713 DSTE, 1723 NE	
white	<b>A 1750 D WW</b>
black	<b>A 1750 D SW</b>
<b>Universal timer Bluetooth</b>	
for LB Management inserts "blinds" ref.-no.: 1730 JE and 1731 JE	
for LB Management inserts "light"	
ref.-no.: 1701 SE, 1704 ESE, 1702 SE, 1710 DE, 1711 DE, 1713 DSTE, 1723 NE	
<b>Duroplastic (scratch-proof) glossy</b>	
white	<b>A 1751 BT WW</b>
black	<b>A 1751 BT SW</b>
<b>Duroplastic lacquered</b>	
aluminium	<b>A 1751 BT AL</b>
champagne	<b>A 1751 BT CH</b>
mocha	<b>A 1751 BT MO</b>
<b>Thermoplastic (breakproof) high-gloss</b>	
white	<b>A 1751 BFBT WW</b>
black	<b>A 1751 BFBT SW</b>
<b>matt lacquered</b>	
matt snow white	<b>A 1751 BFBT WWM</b>
matt graphite black	<b>A 1751 BFBT SWM</b>
matt anthracite	<b>A 1751 BFBT ANM</b>



Ref.-no.

**Universal timer Bluetooth "arrows"**

for LB Management inserts "blinds" ref.-no.: 1730 JE and 1731 JE

for LB Management inserts "light"

ref.-no.: 1701 SE, 1704 ESE, 1702 SE, 1710 DE, 1711 DE, 1713 DSTE, 1723 NE

**Duroplastic (scratch-proof) glossy**white **A 1751 PBT WW**black **A 1751 PBT SW****Duroplastic lacquered**aluminium **A 1751 PBT AL**champagne **A 1751 PBT CH**mocha **A 1751 PBT MO****Thermoplastic (breakproof) high-gloss**white **A 1751 BFPBT WW**black **A 1751 BFPBT SW****matt lacquered**matt snow white **A 1751 BFPBT WWM**matt graphite black **A 1751 BFPBT SWM**matt anthracite **A 1751 BFPBT ANM****eNet Standard radio centre plate**

for LB Management inserts "blinds" ref.-no.: 1730 JE and 1731 JE

for LB Management inserts "light"

ref.-no.: 1701 SE, 1704 ESE, 1702 SE, 1710 DE, 1711 DE, 1713 DSTE, 1723 NE

**Duroplastic (scratch-proof) glossy**white **FM A 1700 WW**black **FM A 1700 SW****Duroplastic lacquered**aluminium **FM A 1700 AL**champagne **FM A 1700 CH**mocha **FM A 1700 MO****matt lacquered**matt snow white **FM A 1700 BF WWM**matt graphite black **FM A 1700 BF SWM**matt anthracite **FM A 1700 BF ANM****eNet Standard radio centre plate "arrows"**

for LB Management inserts "blinds" ref.-no.: 1730 JE and 1731 JE

for LB Management inserts "light"

ref.-no.: 1701 SE, 1704 ESE, 1702 SE, 1710 DE, 1711 DE, 1713 DSTE, 1723 NE

**Duroplastic (scratch-proof) glossy**white **FM A 1700 P WW**black **FM A 1700 P SW****Duroplastic lacquered**aluminium **FM A 1700 P AL**champagne **FM A 1700 P CH**mocha **FM A 1700 P MO****matt lacquered**matt snow white **FM A 1700 BFP WWM**matt graphite black **FM A 1700 BFP SWM**matt anthracite **FM A 1700 BFP ANM**

# A range



Ref.-no.

## eNet radio centre plate

for LB Management inserts "blinds" ref.-no.: 1730 JE and 1731 JE

for LB Management inserts "light"

ref.-no.: 1701 SE, 1704 ESE, 1702 SE, 1710 DE, 1711 DE, 1713 DSTE, 1723 NE

### Duroplastic (scratch-proof) glossy

white **FM A 1701 WW**

black **FM A 1701 SW**

### Duroplastic lacquered

aluminium **FM A 1701 AL**

champagne **FM A 1701 CH**

mocha **FM A 1701 MO**

### Thermoplastic (breakproof) high-gloss

white **FM A 1701 BF WW**

black **FM A 1701 BF SW**

### matt lacquered

matt snow white **FM A 1701 BF WWM**

matt graphite black **FM A 1701 BF SWM**

matt anthracite **FM A 1701 BF ANM**

## eNet radio centre plate "arrows"

for LB Management inserts "blinds" ref.-no.: 1730 JE and 1731 JE

for LB Management inserts "light"

ref.-no.: 1701 SE, 1704 ESE, 1702 SE, 1710 DE, 1711 DE, 1713 DSTE, 1723 NE

### Duroplastic (scratch-proof) glossy

white **FM A 1701 P WW**

black **FM A 1701 P SW**

### Duroplastic lacquered

aluminium **FM A 1701 P AL**

champagne **FM A 1701 P CH**

mocha **FM A 1701 P MO**

### Thermoplastic (breakproof) high-gloss

white **FM A 1701 BFP WW**

black **FM A 1701 BFP SW**

### matt lacquered

matt snow white **FM A 1701 BFP WWM**

matt graphite black **FM A 1701 BFP SWM**

matt anthracite **FM A 1701 BFP ANM**

## Standard automatic switch 1.1 m

for LB Management inserts "light"

ref.-no.: 1701 SE, 1704 ESE, 1702 SE, 1710 DE, 1711 DE, 1713 DSTE, 1723 NE, 1708 IE

### Thermoplastic (breakproof) high-gloss

white **A 17180 WW**

black **A 17180 SW**

### Thermoplastic (breakproof) lacquered

aluminium **A 17180 AL**

champagne **A 17180 CH**

mocha **A 17180 MO**

### matt lacquered

matt snow white **A 17180 WWM**

matt graphite black **A 17180 SWM**

matt anthracite **A 17180 ANM**

Ref.-no.

## Standard automatic switch 1.1 m

for LB Management inserts "light"

ref.-no.: 1701 SE, 1704 ESE, 1702 SE, 1710 DE, 1711 DE, 1713 DSTE, 1723 NE, 1708 IE

**IP 44 suitable only for indoor installation**

### Thermoplastic (breakproof) high-gloss

white	IP	A 17180 WU WW
black	IP	A 17180 WU SW

### Thermoplastic (breakproof) lacquered

aluminium	IP	A 17180 WU AL
champagne	IP	A 17180 WU CH
mocha	IP	A 17180 WU MO

### matt lacquered

matt snow white	IP	A 17180 WU WWM
matt graphite black	IP	A 17180 WU SWM
matt anthracite	IP	A 17180 WU ANM

## Standard automatic switch 2.2 m

for LB Management inserts "light"

ref.-no.: 1701 SE, 1704 ESE, 1702 SE, 1710 DE, 1711 DE, 1713 DSTE, 1723 NE, 1708 IE

**IP 44 suitable only for indoor installation**

### Thermoplastic (breakproof) high-gloss

white	IP	A 17280 WW
black	IP	A 17280 SW

### Thermoplastic (breakproof) lacquered

aluminium	IP	A 17280 AL
champagne	IP	A 17280 CH
mocha	IP	A 17280 MO

### matt lacquered

matt snow white	IP	A 17280 WWM
matt graphite black	IP	A 17280 SWM
matt anthracite	IP	A 17280 ANM

## Sealing kit

for automatic switches 2.2 m of the AS / A ranges

	IP	AS A 50 DS
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To obtain protection level IP 44

## Universal automatic switch 1.1 m

for LB Management inserts "light"

ref.-no.: 1701 SE, 1704 ESE, 1702 SE, 1710 DE, 1711 DE, 1713 DSTE, 1723 NE, 1708 IE

### Thermoplastic (breakproof) high-gloss

white	A 17181 WW
black	A 17181 SW

### Thermoplastic (breakproof) lacquered

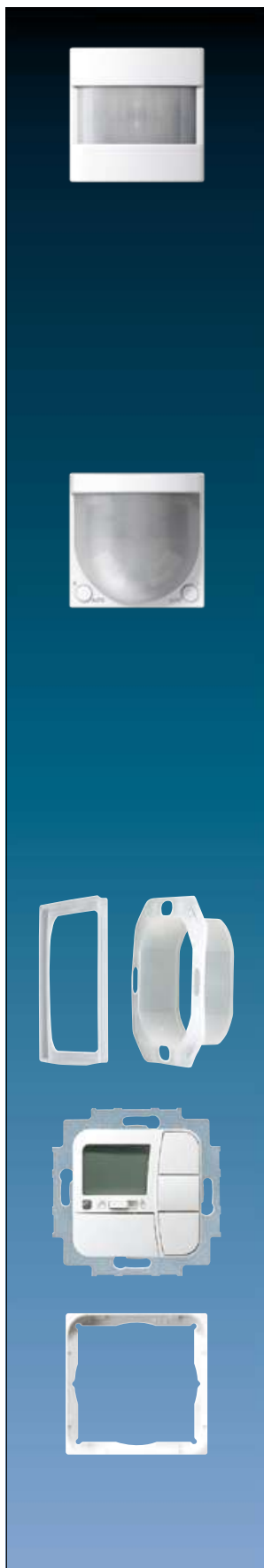
aluminium	A 17181 AL
champagne	A 17181 CH
mocha	A 17181 MO

### matt lacquered

matt snow white	A 17181 WWM
matt graphite black	A 17181 SWM
matt anthracite	A 17181 ANM



# A range



Ref.-no.

## Universal automatic switch 1.1 m

for LB Management inserts "light"

ref.-no.: 1701 SE, 1704 ESE, 1702 SE, 1710 DE, 1711 DE, 1713 DSTE, 1723 NE, 1708 IE

**IP 44 suitable only for indoor installation**

**Thermoplastic (breakproof) high-gloss**

white	IP	A 17181 WU WW
black	IP	A 17181 WU SW

**Thermoplastic (breakproof) lacquered**

aluminium	IP	A 17181 WU AL
champagne	IP	A 17181 WU CH
mocha	IP	A 17181 WU MO

**matt lacquered**

matt snow white	IP	A 17181 WU WWM
matt graphite black	IP	A 17181 WU SWM
matt anthracite	IP	A 17181 WU ANM

## Universal automatic switch 2.2 m

for LB Management inserts "light"

ref.-no.: 1701 SE, 1704 ESE, 1702 SE, 1710 DE, 1711 DE, 1713 DSTE, 1723 NE, 1708 IE

**IP 44 suitable for indoor and outdoor installation**

**Thermoplastic (breakproof) high-gloss**

white	IP	A 17281 WW
black	IP	A 17281 SW

**Thermoplastic (breakproof) lacquered**

aluminium	IP	A 17281 AL
champagne	IP	A 17281 CH
mocha	IP	A 17281 MO

**matt lacquered**

matt snow white	IP	A 17281 WWM
matt graphite black	IP	A 17281 SWM
matt anthracite	IP	A 17281 ANM

## Sealing kit

for automatic switches 2.2 m of the AS / A ranges

IP	AS A 50 DS
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To obtain protection level IP 44

## Awning control, AeroTec 04

**Thermoplastic (breakproof) high-gloss**

white	AT 04 WW
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The AeroTec timer may be used to operate sun protection systems **only**.

## Intermediate frame to install "AeroTec 04"

**in AS and A ranges**

white	A AT 581 Z WW
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Ref.-no.

**Room thermostat (1-way contact)**Screwless terminals for wires up to 2.5 mm<sup>2</sup>

screw fixing only, without claws

1-pole NC contact 10 (4) A, AC 230 V ~, 50/60 Hz

**Thermoplastic (breakproof) high-gloss**

white TR A 231 WW

black TR A 231 SW

**Thermoplastic (breakproof) lacquered**

aluminium TR A 231 AL

champagne TR A 231 CH

mocha TR A 231 MO

**matt lacquered**

matt snow white TR A 231 WWM

matt graphite black TR A 231 SWM

matt anthracite TR A 231 ANM

**Room thermostat (1-way contact)**Screwless terminals for wires up to 2.5 mm<sup>2</sup>

screw fixing only, without claws

1-pole NC contact 10 (4) A, AC 24 V ~

**Thermoplastic (breakproof) high-gloss**

white TR A 241 WW

black TR A 241 SW

**Thermoplastic (breakproof) lacquered**

aluminium TR A 241 AL

champagne TR A 241 CH

mocha TR A 241 MO

**matt lacquered**

matt anthracite TR A 241 ANM

**Room thermostat (2-way contact)**Screwless terminals for wires up to 2.5 mm<sup>2</sup>

screw fixing only, without claws

1-pole, 2-way, heating 10 (4) A, AC 230 V ~, 50/60 Hz

1-pole, 2-way, cooling 5 (2) A, AC 230 V ~, 50/60 Hz

For switching between heating/cooling the EBERLE terminal strip EV..H/K is necessary.

**Thermoplastic (breakproof) high-gloss**

white TR A 236 WW

black TR A 236 SW

**Thermoplastic (breakproof) lacquered**

aluminium TR A 236 AL

champagne TR A 236 CH

mocha TR A 236 MO

**matt lacquered**

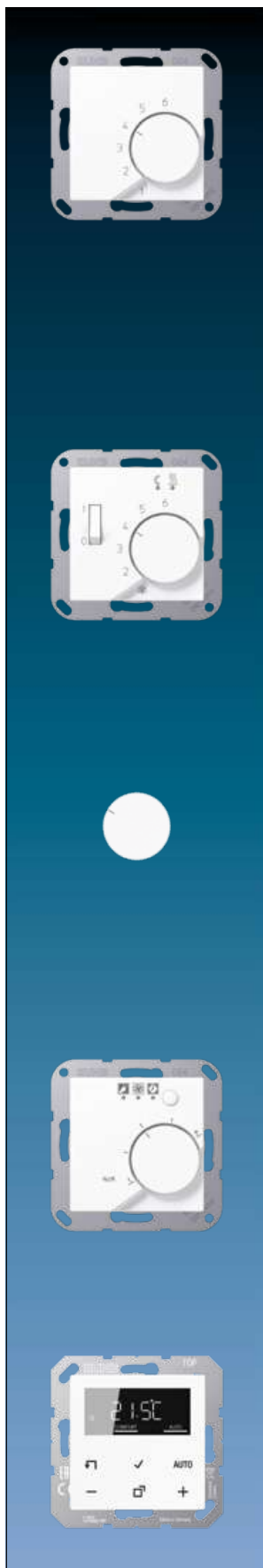
matt snow white TR A 236 WWM

matt graphite black TR A 236 SWM

matt anthracite TR A 236 ANM



# A range



Ref.-no.	
<b>Room thermostat (2-way contact)</b>	
Screwless terminals for wires up to 2.5 mm <sup>2</sup> screw fixing only, without claws 1-pole, 2-way, heating 10 (4) A, AC 24 V ~ 1-pole, 2-way, cooling 5 (2) A, AC 24 V ~	
<b>Thermoplastic (breakproof) high-gloss</b>	
white	TR A 246 WW
black	TR A 246 SW
<b>Thermoplastic (breakproof) lacquered</b>	
aluminium	TR A 246 AL
champagne	TR A 246 CH
mocha	TR A 246 MO
<b>matt lacquered</b>	
matt anthracite	TR A 246 ANM
<b>Floor thermostat</b>	
Screwless terminals for wires up to 2.5 mm <sup>2</sup> screw fixing only, without claws	
<b>Thermoplastic (breakproof) high-gloss</b>	
white	FTR A 231 WW
black	FTR A 231 SW
<b>Thermoplastic (breakproof) lacquered</b>	
aluminium	FTR A 231 AL
champagne	FTR A 231 CH
mocha	FTR A 231 MO
<b>matt lacquered</b>	
matt anthracite	FTR A 231 ANM
<b>Special knob, manipulation-proof</b>	
white	MS TR 231 WW
black	MS TR 231 SW
<b>for metal versions</b>	
aluminium (lacquered)	MS TR 231 AL
champagne	MS TR 231 CH
mocha	MS TR 231 MO
The set temperature can no longer be changed after the knob has been "locked". Dismounting only possible with tool.	
<b>Humidistat</b>	
<b>Thermoplastic (breakproof) high-gloss</b>	
white	A 5201 HYG WW
black	A 5201 HYG SW
<b>Thermoplastic (breakproof) lacquered</b>	
aluminium	A 5201 HYG AL
champagne	A 5201 HYG CH
mocha	A 5201 HYG MO
<b>matt lacquered</b>	
matt anthracite	A 5201 HYG ANM
<b>Room thermostat with display standard</b>	
consists of room thermostat insert (ref.-no.: 1790 RTR) and display (ref.-no.: .. 1790 D ..)	
white	TR D A 1790 WW
black	TR D A 1790 SW

Ref.-no.

## External temperature sensor

for room thermostat ref.-no. 1790 RTR, TR D .. 1790 ..

spare part for floor thermostat ref.-no. FTR .. 231 ..

The sensor cable can be connected using a bifilar cable of 1.5 mm<sup>2</sup> in diameter that is suitable for mains voltage. When installed in a cable duct or near high voltage current cables, a shielded cable must be used.

## FF 7.8

Also suitable as external temperature sensor for the following KNX devices, ref.-no.:

.. 2178 TS .., .. 2178 ORTS .., .. 5192 KRM TS D, .. 5194 KRM TS D, 2177 SV R, 23066 REGHE

## Technical data

NTC sensor in plastic cap 7.8 mm Ø

Cable length: 4 m

Ambient temperature: -25 ... +70 °C

## Temperature controller fan coil, 2-pipe

white	TRD A 523028 WW
black	TRD A 523028 SW

## Temperature controller fan coil, 4-pipe

white	TRD A 523048 WW
black	TRD A 523048 SW

## Friends of Hue switch set

4-channel

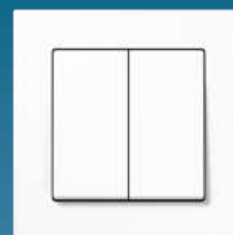
max. 4 light scenes

including mounting plate, adhesive film and fastening screw

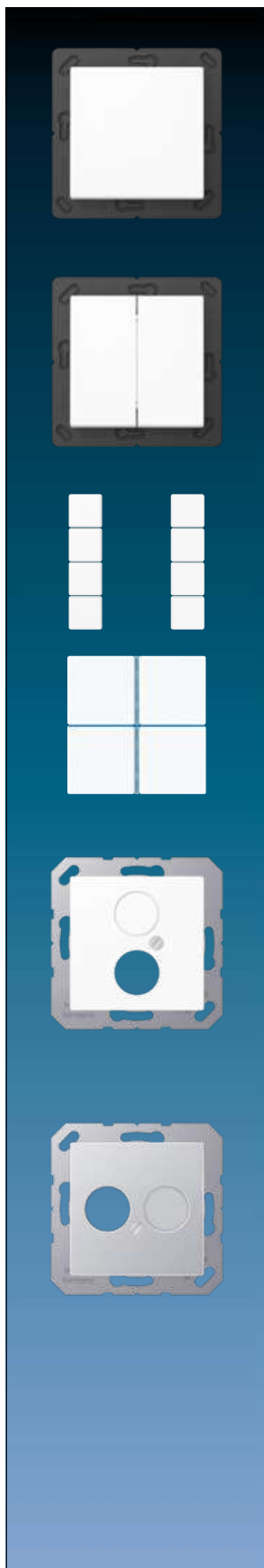
including A 550 frame ref.: A 5581 BF WW

## Thermoplastic (breakproof) high-gloss

white	FOHS A 550 595 WW
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# A range



Ref.-no.	
<b>Bluetooth Low Energy radio transmitter</b>	
2-channel including mounting plate, adhesive film and fastening screw	
<b>Thermoplastic (breakproof) high-gloss</b>	
white	<b>BLE A 590 WW</b>
<b>matt lacquered</b>	
matt anthracite	<b>BLE A 590 ANM</b>
<b>Bluetooth Low Energy radio transmitter</b>	
4-channel including mounting plate, adhesive film and fastening screw	
<b>Thermoplastic (breakproof) high-gloss</b>	
white	<b>BLE A 595 WW</b>
<b>matt lacquered</b>	
matt anthracite	<b>BLE A 595 ANM</b>
Cover kits F50 see as of page 662	
Cover kits F40 see as of page 671	
<b>Centre plate</b>	
with supporting frame, screw fixing only	
<b>for 2 loudspeaker sockets</b> up to 18.5 mm Ø or with flange mounting 22.5 mm hole spacing. In connection with mounting plate ref.-no. 63 WBT (not included) for loudspeaker terminal ref.-no. LPK 63 RT/SW and RCA socket ref.-no. CIB 63.	
<b>Second hole can be broken out.</b>	
<b>Duroplastic (scratch-proof) glossy</b>	
white	<b>A 562 WW</b>
black	<b>A 562 SW</b>
<b>Centre plate</b>	
with supporting frame, screw fixing only	
<b>for 1 loudspeaker socket</b> up to 18.5 mm Ø or with flange mounting 22.5 mm hole spacing. In connection with mounting plate ref.-no. 63 WBT (not included) for loudspeaker terminal ref.-no. LPK 63 RT/SW and RCA socket ref.-no. CIB 63.	
<b>Duroplastic lacquered</b>	
aluminium	<b>A 562 AL</b>
champagne	<b>A 562 CH</b>
mocha	<b>A 562 MO</b>
<b>Thermoplastic (breakproof) high-gloss</b>	
white	<b>A 562-1 BF WW</b>
black	<b>A 562-1 BF SW</b>
<b>matt lacquered</b>	
matt anthracite	<b>A 562-1 BF ANM</b>



Ref.-no.

## Centre plate

with supporting frame, screw fixing only

### for 2 loudspeaker sockets

up to 18.5 mm Ø or with flange mounting 22.5 mm hole spacing.

In connection with mounting plate ref.-no. 63 WBT (not included) for loudspeaker terminal ref.-no. LPK 63 RT/SW and RCA socket ref.-no. CIB 63.

### Duroplastic lacquered

aluminium	P L	A 562-2 AL
champagne	P	A 562-2 CH
mocha		A 562-2 MO

### Thermoplastic (breakproof) high-gloss

white	L	A 562-2 BF WW
black	L	A 562-2 BF SW

### matt lacquered

matt anthracite		A 562-2 BF ANM
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## Centre plate

with supporting frame, screw fixing only

for loudspeaker socket ref.-no.: PB 4

for chassis connector ref.-no.: CXLR-S, CXLR-D

for XLR chassis Neutrik D / DL / DLX Series

internal dimensions (W x H): 27.5 x 32.5 mm

### Thermoplastic (breakproof) high-gloss

white	L	A 568-1 BF WW
black	L	A 568-1 BF SW

### matt lacquered

matt anthracite		A 568-1 BF ANM
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## Centre plate for XLR socket

with supporting frame, screw fixing only

e.g. Binder, Cannon, Neutrik (P Series)

internal dimensions (W x H): 27.5 x 37 mm

### Thermoplastic (breakproof) high-gloss

white	L	A 568 BF WW
black	L	A 568 BF SW

### matt lacquered

matt anthracite		A 568 BF ANM
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## Centre plate

for TV-FM sockets ref.-no.: EDU 04 F, GEDU 10, GEDU 15

### Duroplastic (scratch-proof) glossy

white	P	A 561 PLTV WW
black		A 561 PLTV SW

### Duroplastic lacquered

aluminium	P L	A 561 PLTV AL
champagne	P	A 561 PLTV CH
mocha		A 561 PLTV MO

### Thermoplastic (breakproof) high-gloss

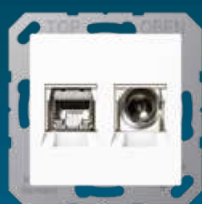
white	L	A 561 BFPLTV WW
black	L	A 561 BFPLTV SW

### matt lacquered

matt snow white		A 561 BFPLTV WWM
matt graphite black		A 561 BFPLTV SWM
matt anthracite		A 561 BFPLTV ANM



# A range




Ref.-no.




## Centre plate

for SAT-TV-FM socket outlet inserts ref.-no.: EDA 302 F, GDA 313 F  
for standard SAT-TV-FM sockets


### Duroplastic (scratch-proof) glossy

white		<b>A 561 PLSAT WW</b>
black		<b>A 561 PLSAT SW</b>

### Duroplastic lacquered

aluminium	 	<b>A 561 PLSAT AL</b>
champagne		<b>A 561 PLSAT CH</b>
mocha		<b>A 561 PLSAT MO</b>

### Thermoplastic (breakproof) high-gloss

white		<b>A 561 BFPLSAT WW</b>
black		<b>A 561 BFPLSAT SW</b>

### matt lacquered

matt snow white		<b>A 561 BFPLSAT WWM</b>
matt graphite black		<b>A 561 BFPLSAT SWM</b>
matt anthracite		<b>A 561 BFPLSAT ANM</b>

## Smart TV socket

with supporting frame, screw fixing only

### Cover with snap-on fixing and shutter with spring

including universal modular jack socket ref.-no.: UMA-CAT6A and IEC plug module for antenna cables

### Thermoplastic (breakproof) high-gloss

white		<b>MMD A 4521 WW</b>
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## Technical data

Specification IEC plug module

External connection:	coaxial plug IEC 60169-2
Internal connection:	F socket IEC 60169-24
Impedance:	75 Ohm
Frequency range:	5 ... 2,400 MHz
Attenuation:	0.0 dB
Installation depth not considering cables	
Universal modular jack socket:	40 mm
IEC plug module:	30 mm
Use right angle plug.	
Consider bending radius. Ensure sufficient installation space.	

## Electronic door signal AC 8 - 12 V ~ / DC 12 - 17 V

with supporting frame, screw fixing only

### Thermoplastic (breakproof) high-gloss







white	<b>A 567 S WW</b>
black	<b>A 567 S SW</b>

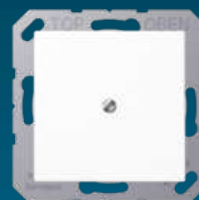
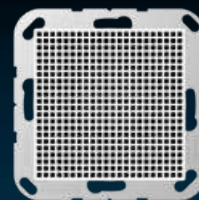
### Thermoplastic (breakproof) lacquered

aluminium	<b>A 567 S AL</b>
champagne	<b>A 567 S CH</b>
mocha	<b>A 567 S MO</b>

### matt lacquered

matt anthracite	<b>A 567 S ANM</b>
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Ref.-no.	
<b>Triple-tone door signal</b>	
with supporting frame, screw fixing only	
<b>Thermoplastic (breakproof) high-gloss</b>	
white	A 567-G3 WW
black	A 567-G3 SW
<b>Thermoplastic (breakproof) lacquered</b>	
aluminium	A 567-G3 AL
champagne	A 567-G3 CH
mocha	A 567-G3 MO
<b>matt lacquered</b>	
matt snow white	A 567-G3 WWM
matt graphite black	A 567-G3 SWM
matt anthracite	A 567-G3 ANM
2 separate terminals for 2 or 3 tone signal	
power supply: 8 ... 12 V AC or 8 ... 24 V DC, via external power supply (SELV)	
e.g. ref.-no. NT 2405 VDC or NT 2415 REG VDC	
current consumption: approx. 150 mA	
<b>Cable outlet</b>	
with supporting frame, screw fixing only	
opening for cables with max. 8 mm Ø	
<b>Duroplastic (scratch-proof) glossy</b>	
white	 A 590 A WW
black	A 590 A SW
<b>Duroplastic lacquered</b>	
aluminium	  A 590 A AL
champagne	 A 590 A CH
mocha	A 590 A MO
<b>Thermoplastic (breakproof) high-gloss</b>	
white	 A 590 BFA WW
black	 A 590 BFA SW
<b>matt lacquered</b>	
matt snow white	A 590 BFA WWM
matt graphite black	A 590 BFA SWM
matt anthracite	A 590 BFA ANM



# A range



Ref.-no.

## Centre plate

for 1-gang modular jack sockets

IAE/UAE sockets ref.-no.: UAE 8 UPO

for sockets Cat. 6 ref.-no.: UAE 8 UPOK6

(1 x 8-pol.)

for WLAN access point ref.-no.: WLAN-AC-UAE, WLAN-AC-POE-UAE

## Duroplastic (scratch-proof) glossy

white  **A 569-1 PLUA WW**

black **A 569-1 PLUA SW**

## Duroplastic lacquered


aluminium   **A 569-1 PLUA AL**

champagne  **A 569-1 PLUA CH**

mocha **A 569-1 PLUA MO**

## Thermoplastic (breakproof) high-gloss

white  **A 569-1 BFPLUA WW**

black  **A 569-1 BFPLUA SW**

## matt lacquered

matt snow white **A 569-1 BFPLUA WWM**

matt graphite black **A 569-1 BFPLUA SWM**

matt anthracite **A 569-1 BFPLUA ANM**

Suitable inserts:

Rutenbeck: UAE 8(4) UPO, UAE 8(8) UPO, UAE-Cat.5e-8 UPO OK, UAE-real.Cat.6-8 UPO OK

Telegärtner: AMJ 45, UMJ 45 and ISDN 1 x RJ 45 (TYP 8)

## Centre plate

for 2-gang modular jack sockets

IAE/UAE sockets ref.-no.: UAE 2 x 8 UPO, UAE 8-8 UPO

for sockets Cat. 6 ref.-no.: UAE 8-8 UPOK6

(2 x 8-pol.)

for media converter 2-gang ref.-no.: MK-POF-2UAE

## Thermoplastic (breakproof) high-gloss

white  **A 569-2 BFPLUA WW**

black  **A 569-2 BFPLUA SW**

## Thermoplastic (breakproof) lacquered

aluminium   **A 569-2 BFPLUA AL**

champagne  **A 569-2 BFPLUA CH**

mocha **A 569-2 BFPLUA MO**

## matt lacquered

matt snow white **A 569-2 BFPLUA WWM**

matt graphite black **A 569-2 BFPLUA SWM**

matt anthracite **A 569-2 BFPLUA ANM**

Suitable inserts:

METZ CONNECT (BTR): 1307441001-i or 1307441200-i; E-Dat design 8/8(8), Class E

Rutenbeck: UAE 8/8 (8/8) UPO, UAE 2x8 (8) UPO, UAE-Cat.5e-8/8 UPO OK, UAE-real.Cat.6-8/8 UPO OK

Telegärtner: AMJ 45, UMJ 45 and ISDN 2 x RJ 45 (TYP 8/8)

Ref.-no.

**Centre plate (screw fixing)**

for stereo loudspeaker socket ref.-no.: SLA 2 WW, SLA 2 AN

for 2-gang supporting frame ref.-no.: UMA-MA2 in connection with universal modular jack socket type A  
ref.-no.: UMA-CAT6A**Duroplastic (scratch-proof) glossy**white **P** **A 569 PLT WW**black **A 569 PLT SW****Duroplastic lacquered**aluminium **P** **L** **A 569 PLT AL**champagne **P** **A 569 PLT CH**mocha **A 569 PLT MO****Thermoplastic (breakproof) high-gloss**white **L** **A 569 BFPLT WW**black **L** **A 569 BFPLT SW****matt lacquered**matt snow white **A 569 BFPLT WWM**matt graphite black **A 569 BFPLT SWM**matt anthracite **A 569 BFPLT ANM**for **Rutenbeck**: UM-MA 2 Up with UM-real Cat.6a Afor **Dätwyler**: flush-mounted modular jack socket (for 2 x MS-K 1/8 Cat.6a), ref.-no.: 440 012**Centre plate (snap-on fixing)**

for USB charger ref.-no.: USB 15 CA WW, USB 15 CA SW

**Thermoplastic (breakproof) high-gloss**white **L** **A 1569 USB WW**black **L** **A 1569 USB SW****Thermoplastic (breakproof) lacquered**aluminium **P** **L** **A 1569 USB AL**champagne **P** **A 1569 USB CH**mocha **A 1569 USB MO****matt lacquered**matt snow white **A 1569 USB WWM**matt graphite black **A 1569 USB SWM**matt anthracite **A 1569 USB ANM**

USB charger see page 72

**Centre plate**

with supporting frame, screw fixing only

**for D-subminiature sockets ref.-no.: D SUB 9**

(mounting plate ref.-no. D 9 necessary)

**for D-subminiature socket 15-pole**

(mounting plate ref.-no. D 15 necessary)

**for 1 socket****Thermoplastic (breakproof) high-gloss**white **L** **A 594-1915 WW**black **L** **A 594-1915 SW****Thermoplastic (breakproof) lacquered**aluminium **P** **L** **A 594-1915 AL**champagne **P** **A 594-1915 CH**mocha **A 594-1915 MO****matt lacquered**matt anthracite **A 594-1915 ANM**


# A range






## Centre plate

with supporting frame, screw fixing only  
for D-subminiature socket 25-pole  
for 1 socket

### Thermoplastic (breakproof) high-gloss

white	 <b>A 594-125 WW</b>
black	 <b>A 594-125 SW</b>

### Thermoplastic (breakproof) lacquered

aluminium	  <b>A 594-125 AL</b>
champagne	 <b>A 594-125 CH</b>
mocha	<b>A 594-125 MO</b>

### matt lacquered

matt anthracite	<b>A 594-125 ANM</b>
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## Centre plate with inscription field 9 x 51 mm

for mounting adapter 30° ref.-no.: 3069..

### Thermoplastic (breakproof) high-gloss

white	<b>A 569-30 BF PL WW</b>
black	<b>A 569-30 BF PL SW</b>

### Thermoplastic (breakproof) lacquered

aluminium	<b>A 569-30 BF PL AL</b>
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### matt lacquered



matt anthracite	<b>A 569-30 BF PL ANM</b>
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Ref.-no.

**Centre plate (snap-on fixing)**

with supporting frame, screw fixing only

for universal modular jack socket ref.-no.: UMA-CAT6A

**Shutter with spring****for 1 socket****Thermoplastic (breakproof) high-gloss**white  **A 1569-1 WE WW**black  **A 1569-1 WE SW****Thermoplastic (breakproof) lacquered**aluminium  **A 1569-1 WE AL**champagne  **A 1569-1 WE CH**mocha **A 1569-1 WE MO****matt lacquered**matt snow white **A 1569-1 WE WWM**matt graphite black **A 1569-1 WE SWM**matt anthracite **A 1569-1 WE ANM****for 2 sockets****Thermoplastic (breakproof) high-gloss**white  **A 1569-2 WE WW**black  **A 1569-2 WE SW****Thermoplastic (breakproof) lacquered**aluminium  **A 1569-2 WE AL**champagne  **A 1569-2 WE CH**mocha **A 1569-2 WE MO****matt lacquered**matt snow white **A 1569-2 WE WWM**matt graphite black **A 1569-2 WE SWM**matt anthracite **A 1569-2 WE ANM**

for modular jack sockets

**RADIAL:**

modular jack unshielded 6P6C, RJ 12, Cat. 4 (ref.-no. R280MOD804)

modular jack unshielded 8P8C, RJ 45, Cat. 4 (ref.-no. R280MOD805)

modular jack unshielded 8P8C, RJ 45, Cat. 5e (ref.-no. R280MOD807)

**Panduit:**

keystone jack KJ 88..

keystone jack KJ 588..

**Assmann:**

module DN-93612 Cat. 6A, shielded, Keystone

module DN-93614

**SCHRACK**

HSPMRJ6G1A, HSEMRJ6GBA, HSEMRJ6GBS, HSEMRJ6GWA, HSEMRJ6GWS, HSEMRJ6UWS



# A range



Ref.-no.

## Centre plate (snap-on fixing)

with supporting frame, screw fixing only  
for modular jack sockets

### TE Connectivity (Tyco Electronics / AMP NETCONNECT)

for cable Ø max. 10 mm:

EMT-jack, Cat. 5e, 180° ref.-no. 0-0188650-5

EMT-jack, Cat. 5e, 90° ref.-no. 0-0188650-6

for cable Ø max. 6.5 mm:

EMT-jack, Cat. 5e, 180° ref.-no. 0-0338038-1

EMT-jack, Cat. 5e, 90° ref.-no. 0-0338038-2

Toolless Jack, Cat. 3 unshielded: ref.-no. 0-1116603-x

Toolless Jack, Cat. 5e unshielded: ref.-no. 0-1116604-x,

Toolless Jack, Cat. 5e shielded: ref.-no. 0-1339015-1

Toolless Jack, Cat. 6 unshielded: ref.-no. 0-1116605-x,

Toolless Jack, Cat. 6 shielded: ref.-no. 0-1339016-1

MTRJ-LWL jack: ref.-no. 1278414-1

### Shutter with spring

#### for 1 socket

#### Thermoplastic (breakproof) high-gloss

white

**A 1569-15 WE WW**

black

**A 1569-15 WE SW**

#### Thermoplastic (breakproof) lacquered

aluminium

**A 1569-15 WE AL**

champagne

**A 1569-15 WE CH**

mocha

**A 1569-15 WE MO**

#### matt lacquered

matt snow white

**A 1569-15 WE WWM**

matt graphite black

**A 1569-15 WE SWM**

matt anthracite

**A 1569-15 WE ANM**

#### for 2 sockets

#### Thermoplastic (breakproof) high-gloss

white

**A 1569-25 WE WW**

black

**A 1569-25 WE SW**

#### Thermoplastic (breakproof) lacquered

aluminium

**A 1569-25 WE AL**

champagne

**A 1569-25 WE CH**

mocha

**A 1569-25 WE MO**

#### matt lacquered

matt snow white

**A 1569-25 WE WWM**

matt graphite black

**A 1569-25 WE SWM**

matt anthracite

**A 1569-25 WE ANM**

## Centre plate (snap-on fixing)

with supporting frame, screw fixing only

for modular jack Avaya (AT&T)

Cat. 3 RJ 45, M1 series: ref.-no. M1BH., unshielded,

Cat. 5 RJ 45, MPS100 series: ref.-no. MPS100BH., unshielded,

Cat. 6 RJ 45, MGS200 series: GigaSPEED, ref.-no. MGS200BH., unshielded

### Shutter with spring

#### for 2 sockets

#### Thermoplastic (breakproof) high-gloss

white

**A 1569-2 AT WW**



Ref.-no.

## Centre plate (snap-on fixing)

with supporting frame, screw fixing only


for modular jack cat. 5 / 6 Panduit: CJSE88T, CJS88/588/688, CJ688/688T

## Shutter with spring

for 2 sockets

## Thermoplastic (breakproof) high-gloss

white

 **A 1569-2 PAND WW**

## Centre plate (snap-on fixing)

with supporting frame, screw fixing only


for modular jack socket Siemon: CT range

## Shutter with spring

for 2 sockets

## Thermoplastic (breakproof) high-gloss

white

 **A 1569-2 SIE WW**

for modular jack sockets

## Siemon

RJ 45, Keystone, cat. 5e, unshielded

Toolless MAX Modules Siemon no. MX-K-C5-80

## JUNG

Universal modular jack socket cat. 6A iso, type A: ref.-no. UMA-CAT6A

## Radiall

RJ 45, Keystone, cat. 6A, shielded

Radiall no. R280MOD810

## Assmann

DIGITUS CAT 6 Keystone Jack

module DN-93612 Cat. 6A, shielded

module DN-93614

module DN-93615

## Nexans

RJ45, Keystone, Cat.6

shielded: e.g. LANmark-6 EVO Snap-in bus, Nexans no.: N420.666

unshielded: e.g. LANmark-6 EVO Snap-in bus, Nexans no.: N420.660

necessary: Blue clip for EVO Snap-in connector to keystone format (2,0 ... 2,25 mm)

Nexans no. N429.626

## Telegärtner

(RJ45, Keystone, Cat.6A iso, shielded)

e.g. AMJ module K, T568A, Telegärtner-nr. J00029K0036

## Furukawa

(RJ45, Keystone, Cat.5e, unshielded)

GigaLan module, Furukawa no. 35050350

## Dätwyler

(RJ45, Keystone, Cat.6A, shielded)

unilan Keystone module KS-T 6A 1/8 Toolless, Dätwyler no. 418060

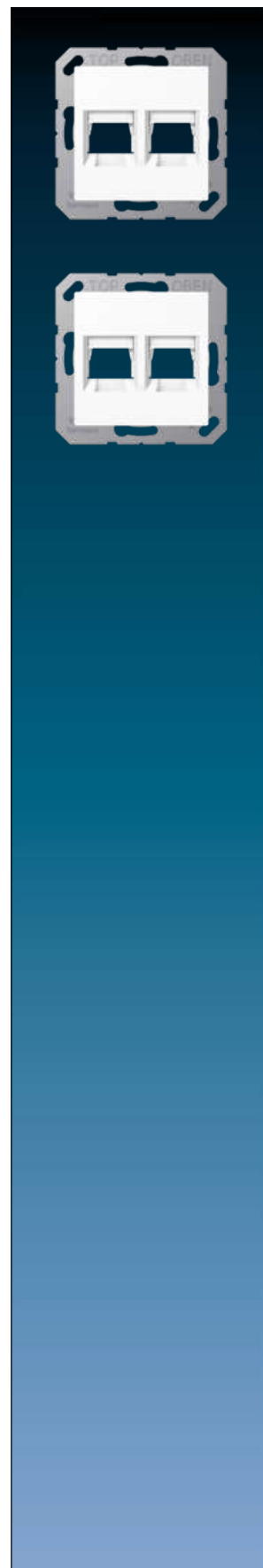
## Rutenbeck

(RJ45, Keystone, Cat.6A iso, shielded)

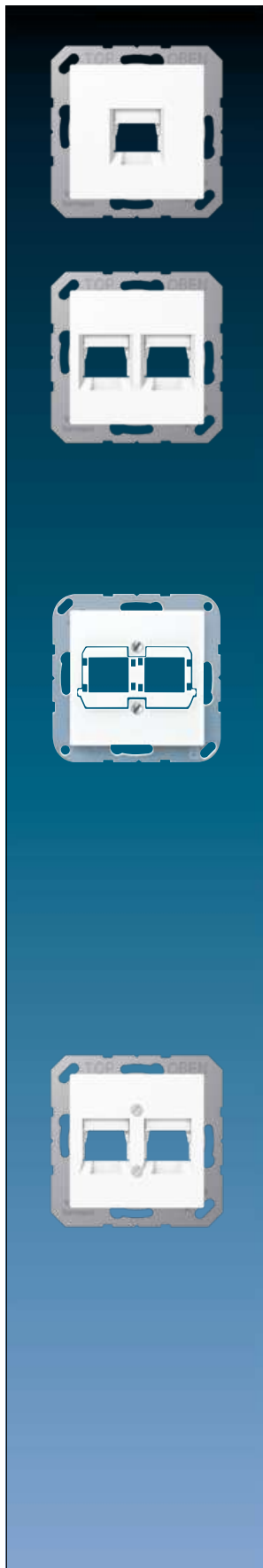
e.g. UM-Cat.6A iso A, Rutenbeck no. 13900304

## SCHRACK

HSPMRJ6G1A, HSEMRJ6GBA, HSEMRJ6GBS, HSEMRJ6GWA, HSEMRJ6GWS, HSEMRJ6UWS



# A range



Ref.-no.	
<b>Centre plate (snap-on fixing)</b> with supporting frame, screw fixing only for modular jack socket Brand-Rex <b>Shutter with spring</b> <b>for 1 socket</b> <b>Thermoplastic (breakproof) high-gloss</b>	
white	<b>A 1569-1 BR WW</b>
<b>for 2 sockets</b> <b>Thermoplastic (breakproof) high-gloss</b>	
white	<b>A 1569-2 BR WW</b>
for modular jack sockets <b>Brand-Rex</b> (RJ45, Cat.6A, unshielded): 10GPlus Cat6A tool-free jack UTP, Brand-Rex no. AC6JAKU002 10GPlus Cat6A snap in jack UTP, Brand-Rex no. AC6JAKU0K2 <b>AMP NETCONNECT</b> (RJ45, Cat.6A iso, shielded) e.g. Twist 6AS SL Jack, AMP no. 0-1711716-1	
<b>Centre plate (screw fixing)</b> with supporting frame, screw fixing only for modular jack Reichle + De-Massari freenet classic shielded, cat. 5 only for module 2 x RJ 45 Reichle + De-Massari no. R35252 <b>Duroplastic (scratch-proof) glossy</b>	
white	<b>A 569-21 ACS WW</b>
black	<b>A 569-21 ACS SW</b>
<b>Duroplastic lacquered</b>	
aluminium	<b>A 569-21 ACS AL</b>
<b>Thermoplastic (breakproof) high-gloss</b>	
white	<b>A 569-21 BFACS WW</b>
black	<b>A 569-21 BFACS SW</b>
<b>matt lacquered</b>	
matt anthracite	<b>A 569-21 BFACS ANM</b>
<b>Centre plate (screw fixing)</b> with supporting frame, screw fixing only for modular jack ITT <b>Shutter with spring</b> <b>for 2 sockets</b> <b>Thermoplastic (breakproof) high-gloss</b>	
white	<b>A 569-2 NITT WW</b>
<b>Thermoplastic (breakproof) lacquered</b>	
champagne	<b>A 569-2 NITT CH</b>
mocha	<b>A 569-2 NITT MO</b>
other colours on request	

Ref.-no.

## Centre plate (screw fixing)




with supporting frame, screw fixing only  
for modular jack Lexcom

## Shutter with spring for 2 sockets

### Thermoplastic (breakproof) high-gloss

white	 <b>A 569-2 NLEX WW</b>
black	 <b>A 569-2 NLEX SW</b>


### Thermoplastic (breakproof) lacquered

aluminium	  <b>A 569-2 NLEX AL</b>
champagne	 <b>A 569-2 NLEX CH</b>
mocha	<b>A 569-2 NLEX MO</b>

## Potential equalisation socket

with supporting frame, screw fixing only  
with 2 one-pole built-in male sockets according to DIN 42801  
for wires up to 6 mm<sup>2</sup>



### Duroplastic (scratch-proof) glossy

white	 <b>A 565-2 WW</b>
black	<b>A 565-2 SW</b>

### Duroplastic lacquered

aluminium	  <b>A 565-2 AL</b>
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### Thermoplastic (breakproof) high-gloss

white	 <b>A 565-2 BF WW</b>
black	 <b>A 565-2 BF SW</b>

### matt lacquered

matt anthracite	<b>A 565-2 BF ANM</b>
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## Right angle plug



for potential equalisation socket  
screw terminal for wires with 4 or 6 mm<sup>2</sup>

65 WIS







## Blank centre plate (snap-on fixing)

with supporting frame, screw fixing only




### Thermoplastic (breakproof) high-gloss

white	  <b>A 594-0 WW</b>
black	  <b>A 594-0 SW</b>

### Thermoplastic (breakproof) lacquered

aluminium	   <b>A 594-0 AL</b>
champagne	  <b>A 594-0 CH</b>
mocha	 <b>A 594-0 MO</b>

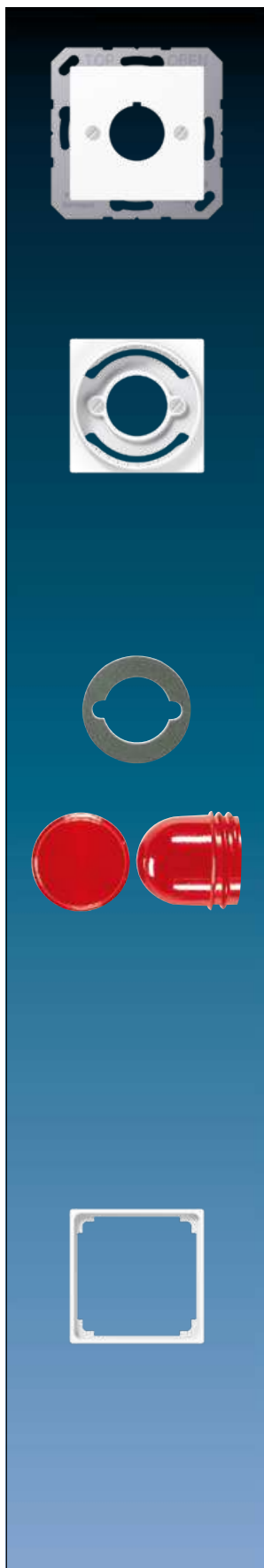
### matt lacquered

matt snow white	 <b>A 594-0 WWM</b>
matt graphite black	 <b>A 594-0 SWM</b>
matt anthracite	 <b>A 594-0 ANM</b>

The cover will be installed with snap-on fixing and enables individual cuttings or drilling holes.



# A range

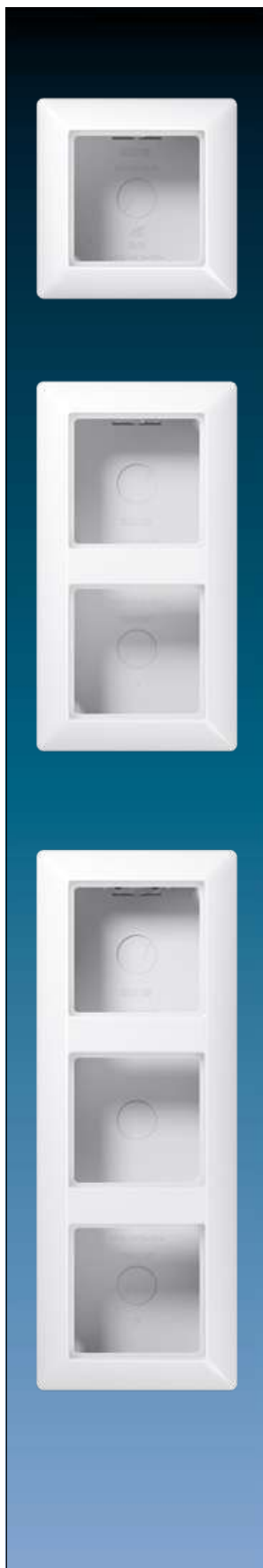


		Ref.-no.
<b>Centre plate</b>		
with supporting frame, screw fixing only for commanding appliance with Ø 22.5 mm e.g. Moeller, Rafi, Schlegel, Lumitas, Kraus-Naimer		
<b>Duroplastic (scratch-proof) glossy</b>		
white	P	A 564 WW
black		A 564 SW
yellow		A 564 GE
<b>Duroplastic lacquered</b>		
aluminium	P L	A 564 AL
<b>Centre plate</b>		
for pilot lights ref.-no.: 938-10 U and 938-14 U		
<b>Thermoplastic (breakproof) high-gloss</b>		
white	IP	A 537 BFPL WW
black	IP	A 537 BFPL SW
<b>Thermoplastic (breakproof) lacquered</b>		
aluminium	IP	A 537 BFPL AL
champagne	IP	A 537 BFPL CH
mocha	IP	A 537 BFPL MO
<b>matt lacquered</b>		
matt anthracite	IP	A 537 BFPL ANM
<b>Sealing gasket</b>		
for covers for pilot light ref.-no.: ..537.., ..937..		
	IP	37 D
To obtain protection level IP 44 the sealing gasket ref.-no.: 37 D has to be placed into the pilot light centre plate and IP 44 frame has to be used.		
<b>Screw cap</b>		
for covers for pilot light ref.-no.: ..537.., ..937..		
<b>flat, for lamps up to max. length of 35 mm</b>		
transparent		37.02
red		37.05
green		37.06
yellow		37.07
blue		37.08
<b>high, for lamps up to max. length of 54 mm</b>		
transparent		37
red		37 R
green		37 G
yellow		37 GE
blue		37 BL
<b>Intermediate frame</b>		
to install devices with 50 x 50 mm cover (DIN 49075)		
<b>Thermoplastic (breakproof) high-gloss</b>		
white		A 590 Z WW
black		A 590 Z SW
<b>Thermoplastic (breakproof) lacquered</b>		
aluminium		A 590 Z AL
<b>matt lacquered</b>		
matt snow white		A 590 Z WWM
matt graphite black		A 590 Z SWM

	Ref.-no.
<b>Intermediate frame</b> for the installation of "Ackermann" RJ 45 sockets WAEG.. <b>Thermoplastic (breakproof) high-gloss</b> white	<b>A 590 ZA WW</b>
<b>Hinged lid with spring 80.5 x 80.5 mm</b> with integrated frame for sockets, switches and push-buttons with centre plate of the AS / A ranges <b>Thermoplastic (breakproof) high-gloss</b> white	<b>AS 581 BFKL WW</b>
<b>Hinged lid with spring 80.5 x 80.5 mm</b> <b>with safety lock</b> (24 different locks) with integrated frame for sockets, switches and push-buttons with centre plate of the AS / A ranges <b>Thermoplastic (breakproof) high-gloss</b> white	<b>AS 581 BFKLSL WW</b>
<b>Key</b> (Spare part) for all hinged lids with safety lock 1 piece	<b>802 SL – 825 SL</b>
<b>When ordering, please indicate lock number!</b>	
<b>Sealing gasket</b> to ensure protection level IP 44 for all flush-mounted switch/push-button inserts of the 500 range, SCHUKO® sockets with hinged lid, rotary switches and timer switch inserts for all devices, covers and frames with blue "IP 44 marking" in some cases with additional gaskets acc. to product description	<b>51 WU</b>



# A range



Ref.-no.

## Surface cap

with integrated frame and non-flammable ground plate  
for inserts with covers of the A range (except key switches ref.-no. ..15,  
3-level-switch and socket for Switzerland type 13)  
1-gang, 85 x 85 x 47 mm

### Duroplastic (scratch-proof) glossy

white	<b>AS 581 A WW</b>
black	<b>AS 581 A SW</b>

### Duroplastic lacquered

aluminium	<b>AS 581 A AL</b>
champagne	<b>AS 581 A CH</b>
mocha	<b>AS 581 A MO</b>

2-gang, 156 x 85 x 47 mm

### Duroplastic (scratch-proof) glossy

white	<b>AS 582 A WW</b>
black	<b>AS 582 A SW</b>

### Duroplastic lacquered

aluminium	<b>AS 582 A AL</b>
champagne	<b>AS 582 A CH</b>
mocha	<b>AS 582 A MO</b>

3-gang, 227 x 85 x 47 mm

### Duroplastic (scratch-proof) glossy

white	<b>AS 583 A WW</b>
black	<b>AS 583 A SW</b>

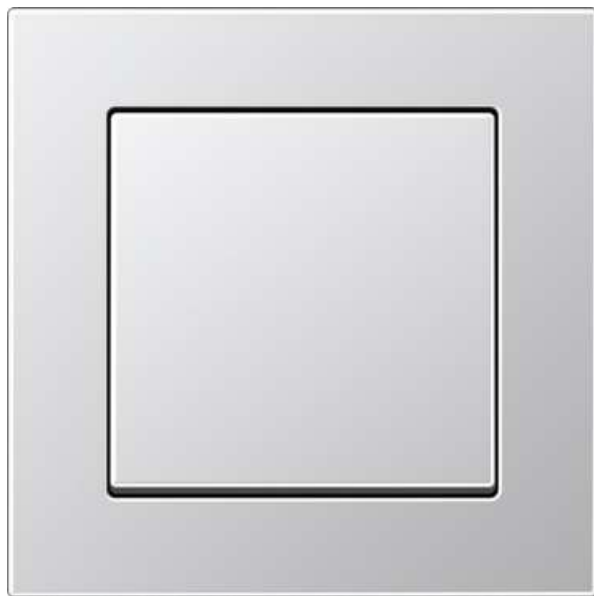
### Duroplastic lacquered

aluminium	<b>AS 583 A AL</b>
champagne	<b>AS 583 A CH</b>
mocha	<b>AS 583 A MO</b>

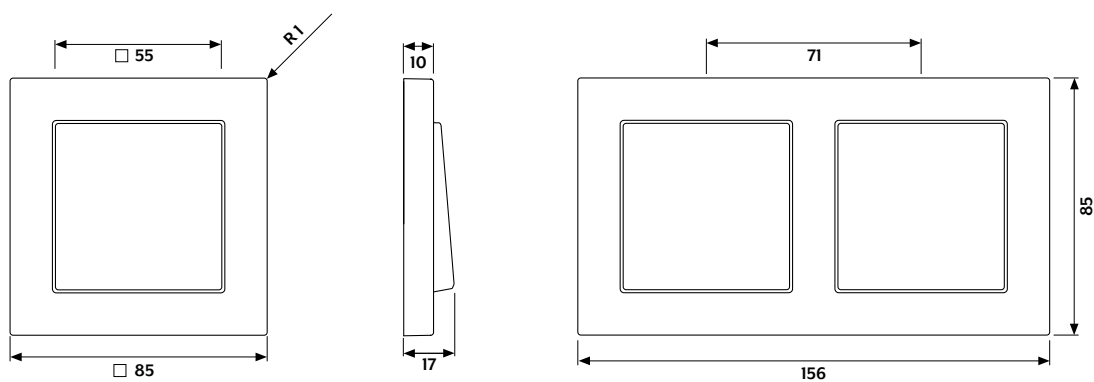
	Ref.-no.
<b>Surface cap</b>	
<b>with inscription field 12 x 55.5 mm</b>	
with integrated frame, non-flammable ground plate and 2 cable inlets for inserts with covers of the A range (except key switches ref.-no. ...15, 3-level-switch and socket for Switzerland type 13) 1-gang, 85 x 85 x 47 mm	
<b>Thermoplastic (breakproof) high-gloss</b>	
white	<b>AS 581 ANA WW</b>
<b>Cable inlet</b>	
for surface cap ref.-no.: AS 581 ANA WW (Spare part)	
white	<b>15 WW</b>
<b>Transparent cover with paper inlay</b>	
for inscription field 12 x 55.5 mm (Spare part)	
paper inlay white	<b>AS 81 NA</b>
<b>Mounting box for surface caps</b>	
(Spare part)	
1-gang	<b>581 A</b>
2-gang	<b>582 A</b>
3-gang	<b>583 A</b>
<b>Strain relief</b>	
<b>for surface caps</b>	
for cables 3 x 1.5 mm <sup>2</sup> up to 5 x 2.5 mm <sup>2</sup> (Ø 7 up to 13 mm)	
	<b>58 A ZUG</b>
<b>Inlets for cables, pipes and trunkings in surface caps</b>	
<b>for cable and mini trunking</b>	
white	<b>11 WW</b>
black	<b>11 SW</b>
<b>for trunking 15 x 15 mm</b>	
white	<b>12 WW</b>
black	<b>12 SW</b>
<b>for pipes with outside Ø 16 mm</b>	
white	<b>13 WW</b>
black	<b>13 SW</b>



# A 550



ALUMINIUM (LACQUERED)



## Frame edge radius

R 1

## Frame dimensions

1-gang	85 mm x 85 mm
2-gang	85 mm x 156 mm
3-gang	85 mm x 227 mm
4-gang	85 mm x 298 mm
5-gang	85 mm x 369 mm





Ref.-no.

**Frame****for horizontal and vertical installation****for A range**

1-gang frames also suitable for British Standard installations (supporting frame 80 x 80)



If possible, combine only with centre plates made of thermoplastic (breakproof, high-gloss).

**white****Thermoplastic (breakproof) high-gloss**








1-gang	85 x 85 mm	 <b>A 5581 BF WW</b>
2-gang	85 x 156 mm	 <b>A 5582 BF WW</b>
3-gang	85 x 227 mm	<b>A 5583 BF WW</b>
4-gang	85 x 298 mm	<b>A 5584 BF WW</b>
5-gang	85 x 369 mm	<b>A 5585 BF WW</b>

If possible, combine only with centre plates made of thermoplastic (breakproof, high-gloss).

**black****Thermoplastic (breakproof) high-gloss**

1-gang	85 x 85 mm	 <b>A 5581 BF SW</b>
2-gang	85 x 156 mm	 <b>A 5582 BF SW</b>
3-gang	85 x 227 mm	<b>A 5583 BF SW</b>
4-gang	85 x 298 mm	<b>A 5584 BF SW</b>
5-gang	85 x 369 mm	<b>A 5585 BF SW</b>

**aluminium****Thermoplastic (breakproof) lacquered**

1-gang	85 x 85 mm	  <b>A 5581 BF AL</b>
2-gang	85 x 156 mm	  <b>A 5582 BF AL</b>
3-gang	85 x 227 mm	 <b>A 5583 BF AL</b>
4-gang	85 x 298 mm	 <b>A 5584 BF AL</b>
5-gang	85 x 369 mm	 <b>A 5585 BF AL</b>

**matt snow white****Thermoplastic (breakproof) lacquered**

1-gang	85 x 85 mm	<b>A 5581 BF WWM</b>
2-gang	85 x 156 mm	<b>A 5582 BF WWM</b>
3-gang	85 x 227 mm	<b>A 5583 BF WWM</b>
4-gang	85 x 298 mm	<b>A 5584 BF WWM</b>
5-gang	85 x 369 mm	<b>A 5585 BF WWM</b>

**matt graphite black****Thermoplastic (breakproof) lacquered**

1-gang	85 x 85 mm	<b>A 5581 BF SWM</b>
2-gang	85 x 156 mm	<b>A 5582 BF SWM</b>
3-gang	85 x 227 mm	<b>A 5583 BF SWM</b>
4-gang	85 x 298 mm	<b>A 5584 BF SWM</b>
5-gang	85 x 369 mm	<b>A 5585 BF SWM</b>

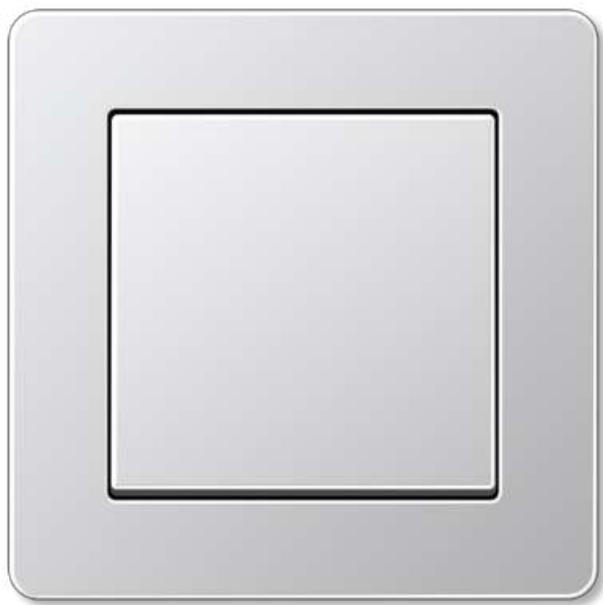
**matt anthracite****Thermoplastic (breakproof) lacquered**

1-gang	85 x 85 mm	<b>A 5581 BF ANM</b>
2-gang	85 x 156 mm	<b>A 5582 BF ANM</b>
3-gang	85 x 227 mm	<b>A 5583 BF ANM</b>
4-gang	85 x 298 mm	<b>A 5584 BF ANM</b>
5-gang	85 x 369 mm	<b>A 5585 BF ANM</b>

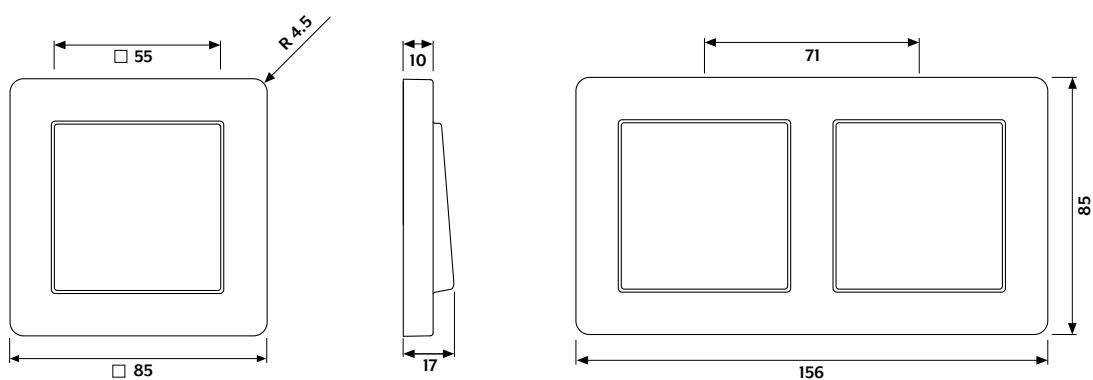
Labelling is possible with labelling kit ref.-no. AC 80 NAS



# A FLOW



ALUMINIUM (LACQUERED)



## Frame edge radius

R 4.5

## Frame dimensions

1-gang	85 mm x 85 mm
2-gang	85 mm x 156 mm
3-gang	85 mm x 227 mm
4-gang	85 mm x 298 mm
5-gang	85 mm x 369 mm



Ref.-no.

**Frame****for horizontal and vertical installation****for A range**

1-gang frames also suitable for British Standard installations (supporting frame 80 x 80)



If possible, combine only with centre plates made of thermoplastic (breakproof, high-gloss).

**white****Thermoplastic (breakproof) high-gloss**








1-gang	85 x 85 mm	 <b>AF 581 BF WW</b>
2-gang	85 x 156 mm	 <b>AF 582 BF WW</b>
3-gang	85 x 227 mm	<b>AF 583 BF WW</b>
4-gang	85 x 298 mm	<b>AF 584 BF WW</b>
5-gang	85 x 369 mm	<b>AF 585 BF WW</b>

If possible, combine only with centre plates made of thermoplastic (breakproof, high-gloss).

**black****Thermoplastic (breakproof) high-gloss**

1-gang	85 x 85 mm	 <b>AF 581 BF SW</b>
2-gang	85 x 156 mm	 <b>AF 582 BF SW</b>
3-gang	85 x 227 mm	<b>AF 583 BF SW</b>
4-gang	85 x 298 mm	<b>AF 584 BF SW</b>
5-gang	85 x 369 mm	<b>AF 585 BF SW</b>

**aluminium****Thermoplastic (breakproof) lacquered**

1-gang	85 x 85 mm	  <b>AF 581 BF AL</b>
2-gang	85 x 156 mm	  <b>AF 582 BF AL</b>
3-gang	85 x 227 mm	 <b>AF 583 BF AL</b>
4-gang	85 x 298 mm	 <b>AF 584 BF AL</b>
5-gang	85 x 369 mm	 <b>AF 585 BF AL</b>

**matt snow white****Thermoplastic (breakproof) lacquered**

1-gang	85 x 85 mm	<b>AF 581 BF WWM</b>
2-gang	85 x 156 mm	<b>AF 582 BF WWM</b>
3-gang	85 x 227 mm	<b>AF 583 BF WWM</b>
4-gang	85 x 298 mm	<b>AF 584 BF WWM</b>
5-gang	85 x 369 mm	<b>AF 585 BF WWM</b>

**matt graphite black****Thermoplastic (breakproof) lacquered**

1-gang	85 x 85 mm	<b>AF 581 BF SWM</b>
2-gang	85 x 156 mm	<b>AF 582 BF SWM</b>
3-gang	85 x 227 mm	<b>AF 583 BF SWM</b>
4-gang	85 x 298 mm	<b>AF 584 BF SWM</b>
5-gang	85 x 369 mm	<b>AF 585 BF SWM</b>

**matt anthracite****Thermoplastic (breakproof) lacquered**

1-gang	85 x 85 mm	<b>AF 581 BF ANM</b>
2-gang	85 x 156 mm	<b>AF 582 BF ANM</b>
3-gang	85 x 227 mm	<b>AF 583 BF ANM</b>
4-gang	85 x 298 mm	<b>AF 584 BF ANM</b>
5-gang	85 x 369 mm	<b>AF 585 BF ANM</b>

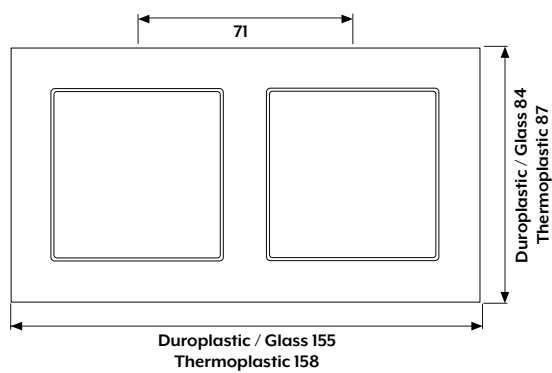
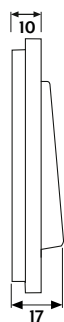
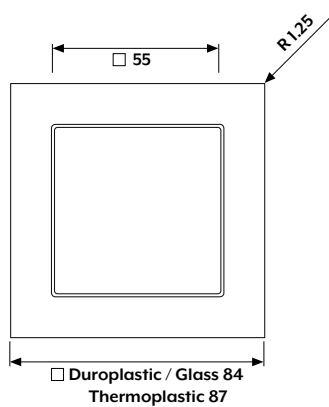
Labelling is possible with labelling kit ref.-no. AC 80 NAS



# A CREATION



MOCHA



## Frame edge radius

R 1.25

## Frame dimensions

1-gang	84 mm x 84 mm
2-gang	84 mm x 155 mm
3-gang	84 mm x 226 mm
4-gang	84 mm x 297 mm
5-gang	84 mm x 368 mm

Ref.-no.

**Frame**  
for horizontal and vertical installation  
for A range

**white**

**Duroplastic (scratch-proof) glossy**

1-gang	84 x 84 mm	P	AC 581 WW
2-gang	84 x 155 mm	P	AC 582 WW
3-gang	84 x 226 mm	P	AC 583 WW
4-gang	84 x 297 mm	P	AC 584 WW
5-gang	84 x 368 mm	P	AC 585 WW

**Thermoplastic (breakproof) high-gloss**

1-gang	87 x 87 mm	L	AC 581 BF WW
2-gang	87 x 158 mm	L	AC 582 BF WW
3-gang	87 x 229 mm		AC 583 BF WW
4-gang	87 x 300 mm		AC 584 BF WW
5-gang	87 x 371 mm		AC 585 BF WW

**black**

**Duroplastic (scratch-proof) glossy**

1-gang	84 x 84 mm		AC 581 SW
2-gang	84 x 155 mm		AC 582 SW
3-gang	84 x 226 mm		AC 583 SW
4-gang	84 x 297 mm		AC 584 SW
5-gang	84 x 368 mm		AC 585 SW

**Thermoplastic (breakproof) high-gloss**

1-gang	87 x 87 mm	L	AC 581 BF SW
2-gang	87 x 158 mm	L	AC 582 BF SW
3-gang	87 x 229 mm		AC 583 BF SW
4-gang	87 x 300 mm		AC 584 BF SW
5-gang	87 x 371 mm		AC 585 BF SW

**aluminium**

**Duroplastic lacquered**

1-gang	84 x 84 mm	P L	AC 581 AL
2-gang	84 x 155 mm	P L	AC 582 AL
3-gang	84 x 226 mm	P	AC 583 AL
4-gang	84 x 297 mm	P	AC 584 AL
5-gang	84 x 368 mm	P	AC 585 AL

**champagne**

**Duroplastic lacquered**

1-gang	84 x 84 mm	P	AC 581 CH
2-gang	84 x 155 mm	P	AC 582 CH
3-gang	84 x 226 mm	P	AC 583 CH
4-gang	84 x 297 mm	P	AC 584 CH
5-gang	84 x 368 mm	P	AC 585 CH

**mocha**

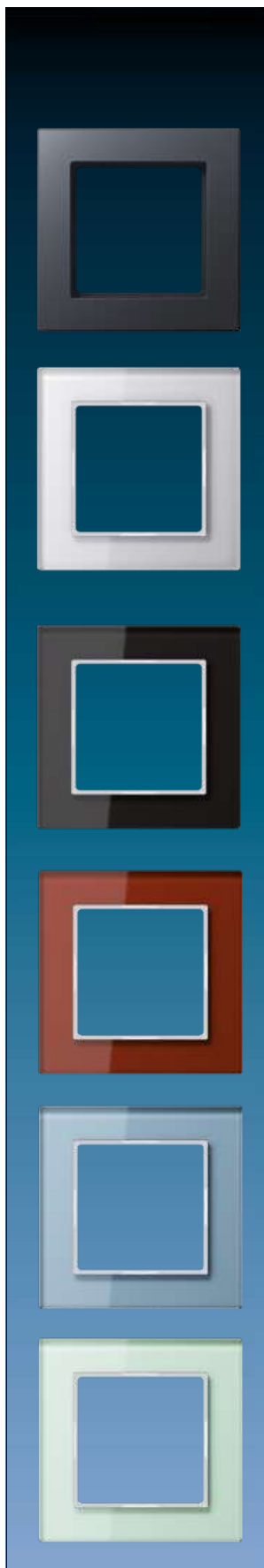
**Duroplastic lacquered**

1-gang	84 x 84 mm		AC 581 MO
2-gang	84 x 155 mm		AC 582 MO
3-gang	84 x 226 mm		AC 583 MO
4-gang	84 x 297 mm		AC 584 MO
5-gang	84 x 368 mm		AC 585 MO



# A range

A CREATION



Ref.-no.

## Frame for horizontal and vertical installation for A range

**matt anthracite**

**Thermoplastic (breakproof) lacquered**

1-gang	87 x 87 mm	<b>AC 581 BF ANM</b>
2-gang	87 x 158 mm	<b>AC 582 BF ANM</b>
3-gang	87 x 229 mm	<b>AC 583 BF ANM</b>
4-gang	87 x 300 mm	<b>AC 584 BF ANM</b>
5-gang	87 x 371 mm	<b>AC 585 BF ANM</b>

## Glass frame for horizontal and vertical installation for A range

**white**

1-gang	84 x 84 mm	<b>AC 581 GL WW</b>
2-gang	84 x 155 mm	<b>AC 582 GL WW</b>
3-gang	84 x 226 mm	<b>AC 583 GL WW</b>
4-gang	84 x 297 mm	<b>AC 584 GL WW</b>
5-gang	84 x 368 mm	<b>AC 585 GL WW</b>

**black**

1-gang	84 x 84 mm	<b>AC 581 GL SW</b>
2-gang	84 x 155 mm	<b>AC 582 GL SW</b>
3-gang	84 x 226 mm	<b>AC 583 GL SW</b>
4-gang	84 x 297 mm	<b>AC 584 GL SW</b>
5-gang	84 x 368 mm	<b>AC 585 GL SW</b>

**red**

1-gang	84 x 84 mm	<b>AC 581 GL RT</b>
2-gang	84 x 155 mm	<b>AC 582 GL RT</b>
3-gang	84 x 226 mm	<b>AC 583 GL RT</b>
4-gang	84 x 297 mm	<b>AC 584 GL RT</b>
5-gang	84 x 368 mm	<b>AC 585 GL RT</b>

**blue-grey**

1-gang	84 x 84 mm	<b>AC 581 GL BLGR</b>
2-gang	84 x 155 mm	<b>AC 582 GL BLGR</b>
3-gang	84 x 226 mm	<b>AC 583 GL BLGR</b>
4-gang	84 x 297 mm	<b>AC 584 GL BLGR</b>
5-gang	84 x 368 mm	<b>AC 585 GL BLGR</b>

**soft white**

1-gang	84 x 84 mm	<b>AC 581 GL WMT</b>
2-gang	84 x 155 mm	<b>AC 582 GL WMT</b>
3-gang	84 x 226 mm	<b>AC 583 GL WMT</b>
4-gang	84 x 297 mm	<b>AC 584 GL WMT</b>
5-gang	84 x 368 mm	<b>AC 585 GL WMT</b>

Ref.-no.

**Glass frame  
for horizontal and vertical installation  
for A range**

**silver (mirror finish)**

1-gang	84 x 84 mm	<b>AC 581 GL SI</b>
2-gang	84 x 155 mm	<b>AC 582 GL SI</b>
3-gang	84 x 226 mm	<b>AC 583 GL SI</b>
4-gang	84 x 297 mm	<b>AC 584 GL SI</b>
5-gang	84 x 368 mm	<b>AC 585 GL SI</b>

**champagne**

1-gang	84 x 84 mm	<b>AC 581 GL CH</b>
2-gang	84 x 155 mm	<b>AC 582 GL CH</b>
3-gang	84 x 226 mm	<b>AC 583 GL CH</b>
4-gang	84 x 297 mm	<b>AC 584 GL CH</b>
5-gang	84 x 368 mm	<b>AC 585 GL CH</b>

**mocha**

1-gang	84 x 84 mm	<b>AC 581 GL MO</b>
2-gang	84 x 155 mm	<b>AC 582 GL MO</b>
3-gang	84 x 226 mm	<b>AC 583 GL MO</b>
4-gang	84 x 297 mm	<b>AC 584 GL MO</b>
5-gang	84 x 368 mm	<b>AC 585 GL MO</b>

**Labelling kit for A CREATION, A 550, A FLOW**

consists of 5 adhesive labelling fields and 1 mounting adapter

inscription field 9 x 54 mm **AC 80 NAS**

**Adhesive labelling field**

for labelling purposes

(Spare part)

inscription field 9 x 54 mm **AC 80 NA**

**Mounting adapter**

for positioning of adhesive labelling field

(Spare part)

**AC 80 MA**



# A range

A CREATION





Ref.-no.

## Frame with inscription field 9 x 55 mm for A range

### Thermoplastic (breakproof) high-gloss

white	1-gang	87 x 87 mm
black	1-gang	87 x 87 mm

 <b>AC 581 BFNA WW</b>
 <b>AC 581 BFNA SW</b>

### Thermoplastic (breakproof) lacquered


matt anthracite	1-gang	87 x 87 mm
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**AC 581 BFNA ANM**

## for vertical installation


### Thermoplastic (breakproof) high-gloss white

2-gang	87 x 158 mm
3-gang	87 x 229 mm
4-gang	87 x 300 mm
5-gang	87 x 371 mm

 <b>AC 582 BFNA WW</b>
<b>AC 583 BFNA WW</b>
<b>AC 584 BFNA WW</b>
<b>AC 585 BFNA WW</b>

### black

2-gang	87 x 158 mm
3-gang	87 x 229 mm
4-gang	87 x 300 mm
5-gang	87 x 371 mm

 <b>AC 582 BFNA SW</b>
<b>AC 583 BFNA SW</b>
<b>AC 584 BFNA SW</b>
<b>AC 585 BFNA SW</b>

### Thermoplastic (breakproof) lacquered matt anthracite

2-gang	87 x 158 mm
3-gang	87 x 229 mm
4-gang	87 x 300 mm
5-gang	87 x 371 mm

<b>AC 582 BFNA ANM</b>
<b>AC 583 BFNA ANM</b>
<b>AC 584 BFNA ANM</b>
<b>AC 585 BFNA ANM</b>




Ref.-no.

**Frame with inscription field 9 x 55 mm  
for horizontal installation**


**for A range**

**Thermoplastic (breakproof) high-gloss**

**white**

2-gang	158 x 87 mm	 <b>AC 5820 BFNA WW</b>
3-gang	229 x 87 mm	<b>AC 5830 BFNA WW</b>
4-gang	300 x 87 mm	<b>AC 5840 BFNA WW</b>
5-gang	371 x 87 mm	<b>AC 5850 BFNA WW</b>

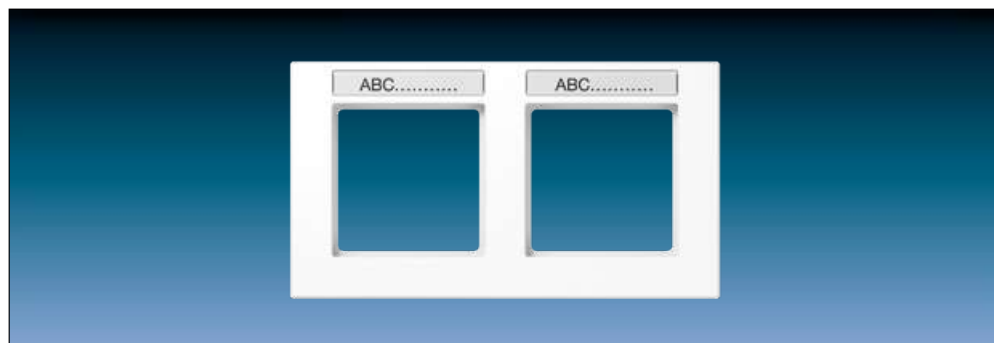
**black**

2-gang	158 x 87 mm	 <b>AC 5820 BFNA SW</b>
3-gang	229 x 87 mm	<b>AC 5830 BFNA SW</b>
4-gang	300 x 87 mm	<b>AC 5840 BFNA SW</b>
5-gang	371 x 87 mm	<b>AC 5850 BFNA SW</b>

**Thermoplastic (breakproof) lacquered**

**matt anthracite**

2-gang	158 x 87 mm	<b>AC 5820 BFNA ANM</b>
3-gang	229 x 87 mm	<b>AC 5830 BFNA ANM</b>
4-gang	300 x 87 mm	<b>AC 5840 BFNA ANM</b>
5-gang	371 x 87 mm	<b>AC 5850 BFNA ANM</b>



**Transparent cover with paper inlay**

for inscription field 9 x 55 mm

(Spare part)

paper inlay white

**AC 81 NA**

ABC.....



## CD range



CD 500 in white



CD PLUS in white / stainless steel



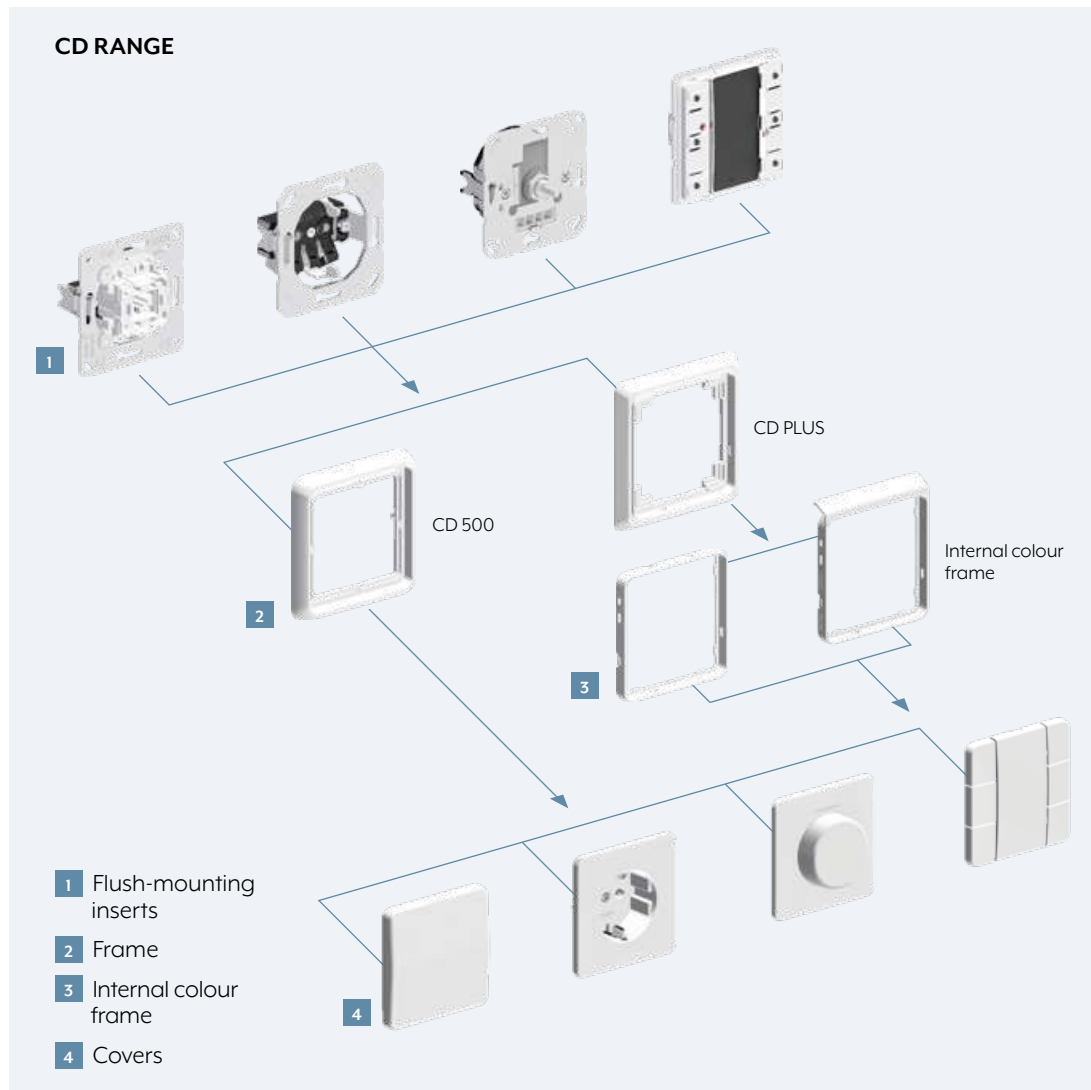
CD 500 in platinum



CD PLUS in black / stainless steel

The CD range is harmoniously matched in form, colour and function. The soft lines are underlined by the slight angularity of the rocker. Available in various colours made of plastic and variants made of metal. The inserts have the dimensions of 67 x 67 mm. The single to 5-gang frames can be fitted horizontally or vertically.

# CD range – modular system









The wide product palette of the CD range meets all technical requirements in private and commercial construction. Lighting, blind and temperature control, door communication, multimedia control, eNet SMART HOME and KNX can all be implemented from a single source. The JUNG modular system combines the inserts with the respective appropriate cover and design frame to form a functional unit.






CD 500 is available not only in the classic duroplastic version but also in an unbreakable thermoplastic version. This means that the range also specifically meets the requirements of tenders for the public construction sector.

## Colours and materials



### Duroplastic (scratch-proof), glossy

ivory	similar to RAL 1013	
white	similar to RAL 9016	
brown	similar to RAL 8022	
grey	similar to RAL 7038	
light grey	similar to RAL 7035	
black	similar to RAL 9005	




### Thermoplastic (breakproof) high-gloss

ivory	similar to RAL 1013	
white	similar to RAL 9016	
brown	similar to RAL 8022	
grey	similar to RAL 7038	
light grey	similar to RAL 7035	

### Metal versions (anodised aluminium)

gold-bronze	
platinum	

### Selected items are also available in other colours

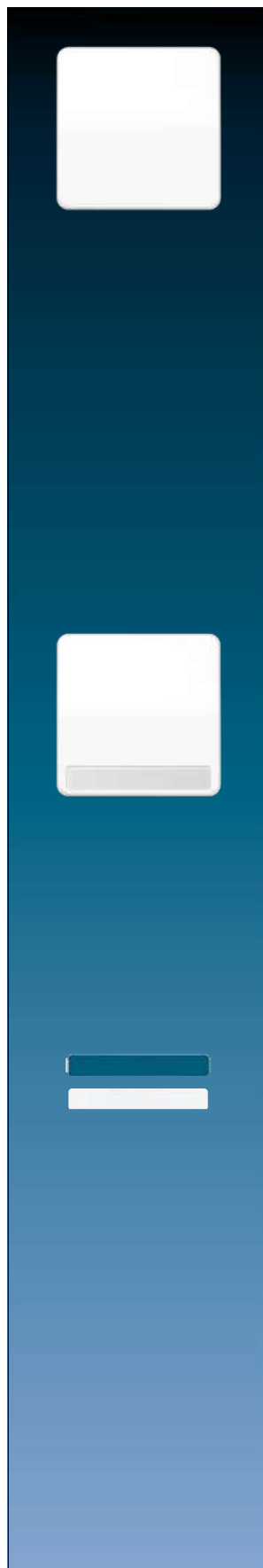
orange	similar to RAL 2004	
green	similar to RAL 6029	
red	similar to RAL 3003	

Covers	456
Sockets	464
LB Management	473
eNet	475
Temperature Management	479
SAT / TV	482
Data connectors	484
Telephone	486

### The following products are available in the CD range

Multimedia connection systems	47
USB charger	60
Smart Radio DAB+	76
Hospital installations	94
Hotel installations	104
Door communication	144
F 50	660
F 40	670
F 10	680

# CD range



Ref.-no.		
<b>1-gang rocker</b>		
for switch insert ref.-no.: 501 U, 502 U, 503 U, 506 U, 507 U, 501-20 U, 506-20 U, 507-20 U		
for push switch insert ref.-no.: 502 TU, 506 TU, 507 TU		
for push-button insert ref.-no.: 531 U, 532 U, 533 U, 533-2 U		
for multi switch insert ref.-no.: 531-41 U (not metal versions)		
<b>Duroplastic (scratch-proof) glossy</b>		
ivory	IP P	CD 590
white	IP P	CD 590 WW
light grey	IP P	CD 590 LG
brown	IP	CD 590 BR
grey	IP	CD 590 GR
black	IP	CD 590 SW
<b>metal versions (anodized aluminium)</b>		
gold-bronze	L	CD 590 GB
platinum	L	CD 590 PT
<b>Thermoplastic (breakproof) high-gloss</b>		
ivory	IP L	CD 590 BF
white	IP L	CD 590 BF WW
brown	IP	CD 590 BF BR
grey	IP L	CD 590 BF GR
light grey	IP L	CD 590 BF LG
<b>1-gang rocker with inscription field 9 x 58 mm</b>		
for switch insert ref.-no.: 501 U, 502 U, 503 U, 506 U, 507 U, 501-20 U, 506-20 U, 507-20 U		
for push switch insert ref.-no.: 502 TU, 506 TU, 507 TU		
for push-button insert ref.-no.: 531 U, 532 U, 533 U, 533-2 U		
for multi switch insert ref.-no.: 531-41 U		
<b>Duroplastic (scratch-proof) glossy</b>		
ivory	IP P	CD 590 NA
white	IP P	CD 590 NA WW
light grey	IP P	CD 590 NA LG
brown	IP	CD 590 NA BR
grey	IP	CD 590 NA GR
black	IP	CD 590 NA SW
<b>Thermoplastic (breakproof) high-gloss</b>		
ivory	IP L	CD 590 NABF
white	IP L	CD 590 NABF WW
<b>Transparent cover with paper inlay</b>		
for inscription field 9 x 58 mm		
(Spare part)		
paper inlay white		CD 90 NA

Ref.-no.

**1-gang rocker with lens**

for switch insert with indicator light

ref.-no.: 502 KOU, 503 KOU, 506 KOU, 501-20 KOU, 502-20 KOU, 506-20 KOU



for push switch insert with indicator light ref.-no.: 502 KOTU, 506 KOTU

for push-button insert ref.-no.: 531 U, 533 U, 533-2 U, 534 U

**Duroplastic (scratch-proof) glossy**

ivory	 	CD 590 KO5
white	 	CD 590 KO5 WW
brown		CD 590 KO5 BR
grey		CD 590 KO5 GR
light grey	 	CD 590 KO5 LG
black		CD 590 KO5 SW

**metal versions (anodized aluminium)**

gold-bronze		CD 590 KO5 GB
platinum		CD 590 KO5 PT

**1-gang rocker with lens and inscription field 9 x 58 mm**

for switch insert with indicator light

ref.-no.: 502 KOU, 503 KOU, 506 KOU, 501-20 KOU, 502-20 KOU, 506-20 KOU

for push switch insert with indicator light ref.-no.: 502 KOTU, 506 KOTU

for push-button insert ref.-no.: 531 U, 533 U, 533-2 U, 534 U

**Duroplastic (scratch-proof) glossy**

ivory	 	CD 590 NAKO5
white	 	CD 590 NAKO5 WW
brown		CD 590 NAKO5 BR
grey		CD 590 NAKO5 GR
light grey	 	CD 590 NAKO5 LG
black		CD 590 NAKO5 SW

**Transparent cover with paper inlay**

for inscription field 9 x 58 mm

(Spare part)

paper inlay white	CD 90 NA
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**1-gang rocker with big lens**

for switch insert with indicator light










ref.-no.: 502 KOU, 503 KOU, 506 KOU, 501-20 KOU, 502-20 KOU, 506-20 KOU

for push switch insert with indicator light ref.-no.: 502 KOTU, 506 KOTU


for push-button insert ref.-no.: 531 U, 533 U, 533-2 U, 534 U

with orange insert (ref.-no.: 33 O), can be replaced with symbols ref.-no. 33..










**Duroplastic (scratch-proof) glossy**

ivory	 	CD 590 KO
white	 	CD 590 KO WW
brown		CD 590 KO BR
grey		CD 590 KO GR
light grey	 	CD 590 KO LG
black		CD 590 KO SW

**metal versions (anodized aluminium)**

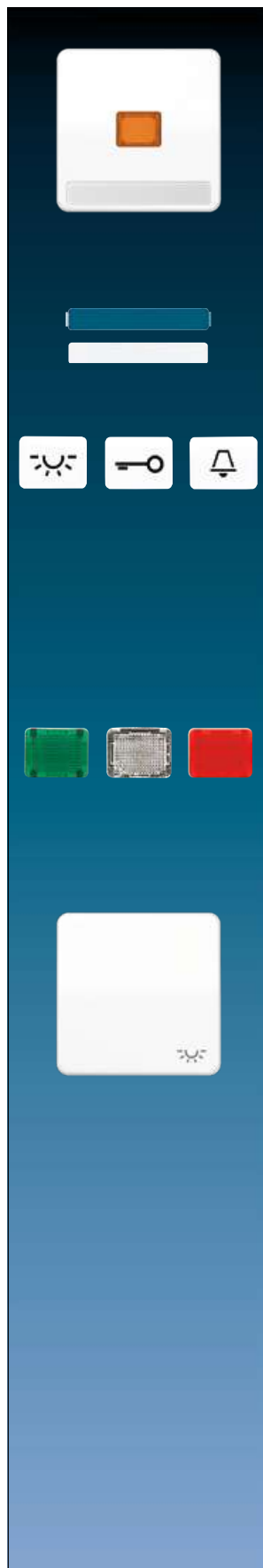
gold-bronze		CD 590 KO GB
platinum		CD 590 KO PT

**Thermoplastic (breakproof) high-gloss**

ivory	 	CD 590 KOBF
white	 	CD 590 KOBF WW
brown		CD 590 KOBF BR
grey	 	CD 590 KOBF GR
light grey	 	CD 590 KOBF LG



# CD range



Ref.-no.

## 1-gang rocker with big lens and inscription field 9 x 58 mm

for switch insert with indicator light

ref.-no.: 502 KOU, 503 KOU, 506 KOU, 501-20 KOU, 502-20 KOU, 506-20 KOU

for push switch insert with indicator light ref.-no.: 502 KOTU, 506 KOTU

for push-button insert ref.-no.: 531 U, 533 U, 533-2 U, 534 U

with orange insert (ref.-no.: 33 O), can be replaced with symbols ref.-no. 33..

### Duroplastic (scratch-proof) glossy

ivory	IP P	CD 590 NAKO
white	IP P	CD 590 NAKO WW

### Transparent cover with paper inlay

for inscription field 9 x 58 mm

(Spare part)

paper inlay white	CD 90 NA
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### Insert with symbol, opaque

for rockers CD 590 KO .. and CD 590 NAKO ..

#### ivory

symbol light	33 L
symbol bell	33 K
symbol door	33 T

#### white

symbol light	33 L WW
symbol bell	33 K WW
symbol door	33 T WW

### Insert without symbol, translucent

for rockers CD 590 KO .. and CD 590 NAKO ..

green	33 GN
transparent	33 KLAR
orange	33 O
red	33 NR

### 1-gang rocker with symbol "light"

for switch insert ref.-no.: 501 U, 502 U, 503 U, 506 U, 507 U, 501-20 U, 506-20 U, 507-20 U

for push switch insert ref.-no.: 502 TU, 506 TU, 507 TU

for push-button insert ref.-no.: 531 U, 532 U, 533 U, 533-2 U

### Duroplastic (scratch-proof) glossy

ivory	IP	CD 590 L
white	IP	CD 590 L WW
light grey	IP	CD 590 L LG
brown	IP	CD 590 L BR
grey	IP	CD 590 L GR
black	IP	CD 590 L SW

### metal versions (anodized aluminium)

gold-bronze	CD 590 L GB
platinum	CD 590 L PT

### Thermoplastic (breakproof) high-gloss

ivory	IP	CD 590 BFL
white	IP	CD 590 BFL WW



Ref.-no.

**1-gang rocker with symbol "light", with lens**





for switch insert with indicator light

ref.-no.: 502 KOU, 503 KOU, 506 KOU, 501-20 KOU, 502-20 KOU, 506-20 KOU

for push switch insert with indicator light ref.-no.: 502 KOTU, 506 KOTU

for push-button insert ref.-no.: 531 U, 533 U, 533-2 U, 534 U

**Duroplastic (scratch-proof) glossy**

ivory		CD 590 KO5L
white		CD 590 KO5L WW
brown		CD 590 KO5L BR
grey		CD 590 KO5L GR
light grey		CD 590 KO5L LG
black		CD 590 KO5L SW







**metal versions (anodized aluminium)**

gold-bronze	CD 590 KO5L GB
platinum	CD 590 KO5L PT

**1-gang rocker with symbol "bell"**

for push-button insert ref.-no.: 531 U, 533 U, 533-2 U, 534 U


**Duroplastic (scratch-proof) glossy**

ivory		CD 590 K
white		CD 590 K WW
light grey		CD 590 K LG
brown		CD 590 K BR
grey		CD 590 K GR
black		CD 590 K SW

**metal versions (anodized aluminium)**

gold-bronze	CD 590 K GB
platinum	CD 590 K PT

**Thermoplastic (breakproof) high-gloss**

ivory		CD 590 BFK
white		CD 590 BFK WW

**1-gang rocker with symbol "bell", with lens**

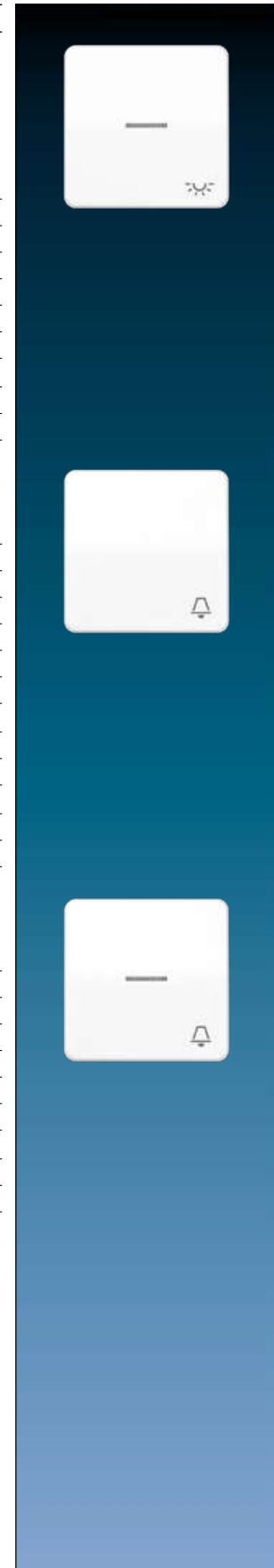
for push-button insert ref.-no.: 531 U, 533 U, 533-2 U, 534 U

**Duroplastic (scratch-proof) glossy**

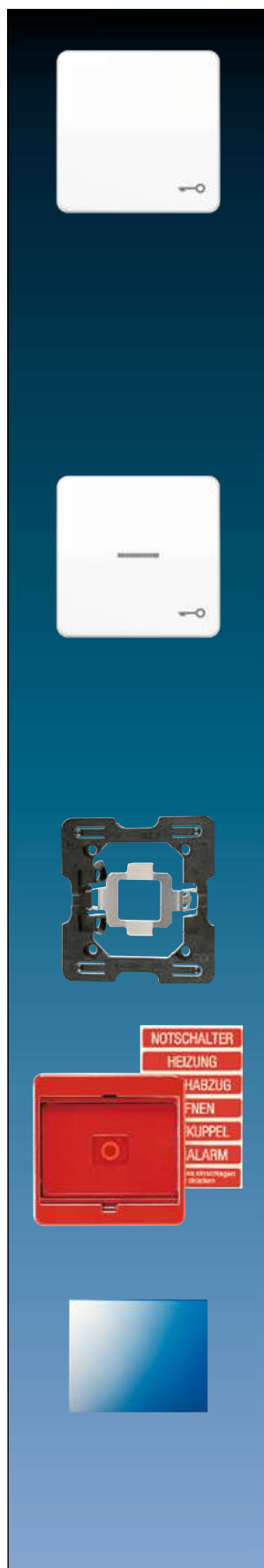
ivory		CD 590 KO5K
white		CD 590 KO5K WW
brown		CD 590 KO5K BR
grey		CD 590 KO5K GR
light grey		CD 590 KO5K LG
black		CD 590 KO5K SW

**metal versions (anodized aluminium)**

gold-bronze	CD 590 KO5K GB
platinum	CD 590 KO5K PT



# CD range



		Ref.-no.
<b>1-gang rocker with symbol "door"</b>		
for push-button insert ref.-no.: 531 U, 532 U, 533 U, 533-2 U		
<b>Duroplastic (scratch-proof) glossy</b>		
ivory	IP	CD 590 T
white	IP	CD 590 T WW
light grey	IP	CD 590 T LG
black	IP	CD 590 T SW
brown	IP	CD 590 T BR
grey	IP	CD 590 T GR
<b>metal versions (anodized aluminium)</b>		
gold-bronze		CD 590 T GB
platinum		CD 590 T PT
<b>Thermoplastic (breakproof) high-gloss</b>		
ivory	IP	CD 590 BFT
white	IP	CD 590 BFT WW
<b>1-gang rocker with symbol "door", with lens</b>		
for push-button insert ref.-no.: 531 U, 533 U, 533-2 U, 534 U		
<b>Duroplastic (scratch-proof) glossy</b>		
ivory	IP	CD 590 KO5T
white	IP	CD 590 KO5T WW
brown	IP	CD 590 KO5T BR
grey	IP	CD 590 KO5T GR
light grey	IP	CD 590 KO5T LG
black	IP	CD 590 KO5T SW
<b>metal versions (anodized aluminium)</b>		
gold-bronze		CD 590 KO5T GB
platinum		CD 590 KO5T PT
<b>Holder plate</b>		
for frame fixing and 1-gang rocker bearing (Spare part)		
black		CD 90 HP
<b>for metal versions</b>		
black		CD 90 MHP
<b>1-gang rocker with glass plate</b>		
with rocker and red lens		
for all 1-gang switch/push-button inserts (except push switch insert)		
<b>Thermoplastic (breakproof) high-gloss</b>		
red	similar RAL 3000	561 GL RT
blue	similar RAL 5015	561 GL BL
yellow	similar RAL 1004	561 GL GE
With foils "Notschalter, Heizung, Rauchabzug, Lichtkuppel öffnen, Hausalarm, Bei Feuer Glas einschlagen – Knopf drücken"		
<b>Glass plate</b>		
(Spare part)		
64 x 53 x 1 mm (W x H x D)		60 GL

Ref.-no.

**Frame, 1-gang**

81 x 81 x 10 mm

**Thermoplastic (breakproof) high-gloss**

red	similar RAL 3000	<b>CD 581 GL RT</b>
blue	similar RAL 5015	<b>CD 581 GL BL</b>
yellow	similar RAL 1004	<b>CD 581 GL GE</b>

**Pull cord switch 10 AX / 250 V ~**

with integrated frame

for wall and ceiling installation

Screw terminals for wires up to 2.5 mm<sup>2</sup>

with 50 mm pull cord

**Duroplastic (scratch-proof) glossy**

ivory	<b>P</b>	<b>5506 ZU</b>
white	<b>P</b>	<b>5506 ZU WW</b>

Other pull cord devices can be realised with pull cord insert 34 and 1-gang rocker with big lens A 590 KO .. or pull cord insert 34 KO5 and 1-gang rocker with lens A 590 KO5 ..

**Pull cord switch 10 AX / 250 V ~**

for wall and ceiling installation

Screw terminals for wires up to 2.5 mm<sup>2</sup>

with 50 mm pull cord

**Duroplastic (scratch-proof) glossy**

ivory	<b>P</b>	<b>Z 506 NUZV</b>
white	<b>P</b>	<b>Z 506 NUZ VWW</b>

Other pull cord devices can be realised with pull cord insert 34 and 1-gang rocker with big lens A 590 KO .. or pull cord insert 34 KO5 and 1-gang rocker with lens A 590 KO5 ..

**2-gang rocker**

for switch insert ref.-no.: 505 U, 509 U

for push switch insert ref.-no.: 505 TU, 509 TU (not thermoplastic version)

for push-button insert ref.-no.: 535 U, 539 U

for multi switch insert ref.-no.: 532-4 U (not metal versions)

**Duroplastic (scratch-proof) glossy**

ivory	<b>P</b> <b>P</b>	<b>CD 595</b>
white	<b>P</b> <b>P</b>	<b>CD 595 WW</b>
brown	<b>P</b>	<b>CD 595 BR</b>
grey	<b>P</b>	<b>CD 595 GR</b>
light grey	<b>P</b> <b>P</b>	<b>CD 595 LG</b>
black	<b>P</b>	<b>CD 595 SW</b>

**metal versions (anodized aluminium)**

gold-bronze	<b>L</b>	<b>CD 595 GB</b>
platinum	<b>L</b>	<b>CD 595 PT</b>

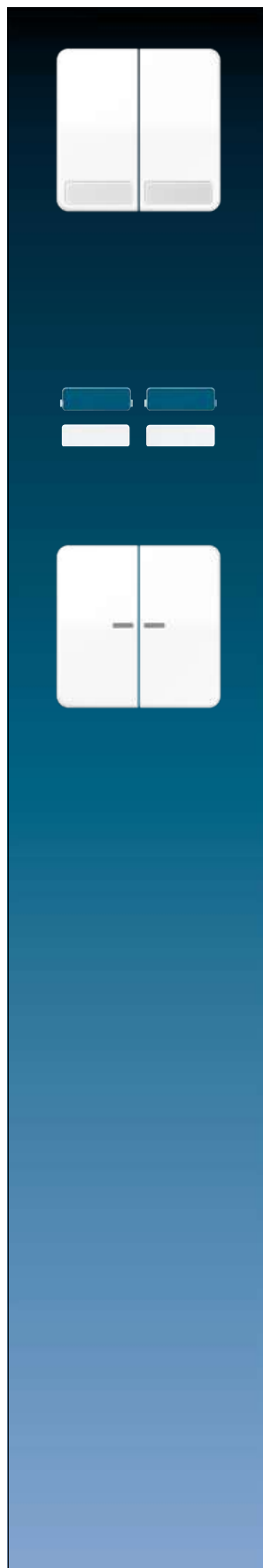
**Thermoplastic (breakproof) high-gloss**

ivory	<b>P</b> <b>L</b>	<b>CD 595 BF</b>
white	<b>P</b> <b>L</b>	<b>CD 595 BF WW</b>
brown	<b>P</b>	<b>CD 595 BF BR</b>
grey	<b>P</b> <b>L</b>	<b>CD 595 BF GR</b>
light grey	<b>P</b> <b>L</b>	<b>CD 595 BF LG</b>

For illuminated inserts use rocker with lens ref.-no.: ..KO...



# CD range



Ref.-no.		
<b>2-gang rocker with inscription field 9 x 27 mm</b>		
for switch insert ref.-no.: 505 U, 509 U		
for push switch insert ref.-no.: 505 TU, 509 TU		
for push-button insert ref.-no.: 535 U, 539 U		
for multi switch insert ref.-no.: 532-4 U		
<b>Duroplastic (scratch-proof) glossy</b>		
ivory	IP P	CD 595 NA
white	IP P	CD 595 NA WW
brown	IP	CD 595 NA BR
grey	IP	CD 595 NA GR
light grey	IP P	CD 595 NA LG
black	IP	CD 595 NA SW
<b>Transparent cover with paper inlay</b>		
for inscription field 9 x 27 mm		
(Spare part)		
A set of two covers		
paper inlay white		CD 95 NA
<b>2-gang rocker with lens</b>		
for switch insert ref.-no.: 505 U 5		
for switch insert with indicator light ref.-no.: 505 KOU 5		
for push-button insert ref.-no.: 535 U 5		
<b>Duroplastic (scratch-proof) glossy</b>		
ivory	IP P	CD 595 KO5
white	IP P	CD 595 KO5 WW
brown	IP	CD 595 KO5 BR
grey	IP	CD 595 KO5 GR
light grey	IP P	CD 595 KO5 LG
black	IP	CD 595 KO5 SW
<b>metal versions (anodized aluminium)</b>		
gold-bronze	L	CD 595 KO5 GB
platinum	L	CD 595 KO5 PT
<b>Thermoplastic (breakproof) high-gloss</b>		
ivory	IP L	CD 595 KO5BF
white	IP L	CD 595 KO5BF WW
brown	IP	CD 595 KO5BF BR
grey	IP L	CD 595 KO5BF GR
light grey	IP L	CD 595 KO5BF LG

Ref.-no.

## 2-gang rocker with arrow symbols

for blind switch insert ref.-no.: 509 VU

for blind push-button insert ref.-no.: 539 VU

### Duroplastic (scratch-proof) glossy

ivory	IP	CD 595 P
white	IP	CD 595 P WW
brown	IP	CD 595 P BR
grey	IP	CD 595 P GR
light grey	IP	CD 595 P LG
black	IP	CD 595 P SW

### metal versions (anodized aluminium)

gold-bronze	CD 595 P GB
platinum	CD 595 P PT

### Thermoplastic (breakproof) high-gloss

ivory	IP	CD 595 PBF
white	IP	CD 595 PBF WW
brown	IP	CD 595 PBF BR
grey	IP	CD 595 PBF GR
light grey	IP	CD 595 PBF LG

## Holder plate

for frame fixing and 2-gang rocker bearing  
(Spare part)

black	CD 95 HP
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### for metal versions

black	CD 95 MHP
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## Centre plate

for key switch inserts ref.-no.: 104.28, 134.18, 134.28, 133.18, 138.18, 106.28

for key switch inserts IP 44 ref.-no.: CD 104.18 WU, CD 134.18 WU, CD 133.18 WU, CD 106.18 WU

### Thermoplastic (breakproof) high-gloss

ivory	IP	L	528
white	IP	L	CD 528 WW
brown	IP		CD 528 BR
grey	IP	L	CD 528 GR
light grey	IP	L	CD 528 LG
black	IP		CD 528 SW

### metal versions (anodized aluminium)

gold-bronze	CD 528 GB
platinum	CD 528 PT

One escutcheon plate with symbols and one without symbols included in delivery.

Height of escutcheon plate: 11 mm

## Centre plate

for key switch inserts ref.-no.: 104.15, 134.15, 133.15, 106.15

### Thermoplastic (breakproof) high-gloss

ivory	L	525
white	L	CD 525 WW
brown		CD 525 BR
grey	L	CD 525 GR
light grey	L	CD 525 LG
black	L	CD 525 SW

### metal versions (anodized aluminium)

gold-bronze	L	CD 525 GB
platinum	L	CD 525 PT



# CD range



Ref.-no.

## Centre plate with knob

for rotary switch insert ref.-no.: 1101-4, 1101-20

for timer switch insert ref.-no.: 11015, 11120-20

for rotary blind switch insert ref.-no.: 1234.10, 1234.20

## Duroplastic (scratch-proof) glossy

ivory	IP P	CD 1541
white	IP P	CD 1541 WW
brown	IP	CD 1541 BR
grey	IP	CD 1541 GR
light grey	IP P	CD 1541 LG
black	IP	CD 1541 SW

## metal versions (anodized aluminium)

gold-bronze	L	CD 1541 GB
platinum	L	CD 1541 PT

also for volume control WHD type: LST..JU UP and LR..JU UP

and for program selection WHD type: PRO 3 JU..

## SCHUKO® socket 16 A / 250 V ~

screwless terminals for wires up to 2.5 mm²

without claws: ref.-no. with additional "N", e.g.: ..1520 N..

With screw terminals: ref.-no. ..1521..

Supporting frame, claws and claw screws are integrated into the earth protection.

## Duroplastic (scratch-proof) glossy

ivory	P	CD 1520
white	P	CD 1520 WW
brown		CD 1520 BR
grey		CD 1520 GR
light grey	P	CD 1520 LG
black		CD 1520 SW

## metal versions (anodized aluminium)

gold-bronze	L	CD 1520 GB
platinum	L	CD 1520 PT

## Thermoplastic (breakproof) high-gloss

ivory	L	CD 1520 BF
white	L	CD 1520 BF WW
brown		CD 1520 BF BR
grey	L	CD 1520 BF GR
green		CD 1520 BF GN
light grey	L	CD 1520 BF LG
orange		CD 1520 BF O

Ref.-no.

**SCHUKO® socket 16 A / 250 V ~**Screw terminals for wires up to 2.5 mm<sup>2</sup>

without claws: ref.-no. with additional "N", e.g.: ..1521 N..

Supporting frame, claws and claw screws are integrated into the earth protection.

**Duroplastic (scratch-proof) glossy**

ivory	P	CD 1521
white	P	CD 1521 WW
brown		CD 1521 BR
grey		CD 1521 GR
light grey	P	CD 1521 LG
black		CD 1521 SW

**metal versions (anodized aluminium)**

gold-bronze	L	CD 1521 GB
platinum	L	CD 1521 PT

**Thermoplastic (breakproof) high-gloss**

ivory	L	CD 1521 BF
white	L	CD 1521 BF WW
brown		CD 1521 BF BR
green		CD 1521 BF GN
grey	L	CD 1521 BF GR
light grey	L	CD 1521 BF LG

**SCHUKO® socket 16 A / 250 V ~****with enhanced contact protection (shutter)**screwless terminals for wires up to 2.5 mm<sup>2</sup>

without claws: ref.-no. with additional "N", e.g.: ..1520 N..

With screw terminals: ref.-no. ..1521..

Supporting frame, claws and claw screws are integrated into the earth protection.

**Duroplastic (scratch-proof) glossy**

ivory	P	CD 1520 KI
white	P	CD 1520 KI WW

**metal versions (anodized aluminium)**

gold-bronze	L	CD 1520 KI GB
platinum	L	CD 1520 KI PT

**Thermoplastic (breakproof) high-gloss**

ivory	L	CD 1520 BFKI
white	L	CD 1520 BFKI WW
brown		CD 1520 BFKI BR
grey	L	CD 1520 BFKI GR
green		CD 1520 BFKI GN
light grey	L	CD 1520 BFKI LG
orange		CD 1520 BFKI O
red		CD 1520 BFKI RT
black	L	CD 1520 BFKI SW



# CD range



Ref.-no.

## SCHUKO® socket 16 A / 250 V ~

### with enhanced contact protection (shutter)

Screw terminals for wires up to 2.5 mm<sup>2</sup>

without claws: ref.-no. with additional "N", e.g.: ..1521 N..

Supporting frame, claws and claw screws are integrated into the earth protection.

### Duroplastic (scratch-proof) glossy

ivory	P	CD 1521 KI
white	P	CD 1521 KI WW
brown		CD 1521 KI BR
grey		CD 1521 KI GR
light grey	P	CD 1521 KI LG
black		CD 1521 KI SW

### metal versions (anodized aluminium)

gold-bronze	L	CD 1521 KI GB
platinum	L	CD 1521 KI PT

### Thermoplastic (breakproof) high-gloss

ivory	L	CD 1521 BFKI
white	L	CD 1521 BFKI WW
brown		CD 1521 BFKI BR
green		CD 1521 BFKI GN
grey	L	CD 1521 BFKI GR
light grey	L	CD 1521 BFKI LG
red		CD 1521 BFKI RT

## SCHUKO® socket 16 A / 250 V ~

### with inscription field 6 x 37 mm

screwless terminals for wires up to 2.5 mm<sup>2</sup>

without claws: ref.-no. with additional "N", e.g.: ..1520 N..

With screw terminals: ref.-no. ..1521..

Supporting frame, claws and claw screws are integrated into the earth protection.

### Duroplastic (scratch-proof) glossy

ivory	P	CD 1520 NA
white	P	CD 1520 NA WW
brown		CD 1520 NA BR
grey		CD 1520 NA GR
light grey	P	CD 1520 NA LG
black		CD 1520 NA SW

### Thermoplastic (breakproof) high-gloss

ivory	L	CD 1520 BFNA
white	L	CD 1520 BFNA WW
brown		CD 1520 BFNA BR
grey	L	CD 1520 BFNA GR
green		CD 1520 BFNA GN
light grey	L	CD 1520 BFNA LG
orange		CD 1520 BFNA O

## SCHUKO® socket 16 A / 250 V ~

### with inscription field 6 x 37 mm

Screw terminals for wires up to 2.5 mm<sup>2</sup>

Supporting frame, claws and claw screws are integrated into the earth protection.

### Thermoplastic (breakproof) high-gloss

ivory	L	CD 1521 BFNA
white	L	CD 1521 BFNA WW
brown		CD 1521 BFNA BR
green		CD 1521 BFNA GN
grey	L	CD 1521 BFNA GR
light grey	L	CD 1521 BFNA LG



Ref.-no.






**SCHUKO® socket 16 A / 250 V ~****with enhanced contact protection (shutter)****with inscription field 6 x 37 mm**screwless terminals for wires up to 2.5 mm<sup>2</sup>

without claws: ref.-no. with additional "N", e.g.: ..1520 N..

With screw terminals: ref.-no. ..1521..

Supporting frame, claws and claw screws are integrated into the earth protection.

**Thermoplastic (breakproof) high-gloss**



ivory	 CD 1520 BFKINA
white	 CD 1520 BFKINA WW
brown	CD 1520 BFKINA BR
grey	 CD 1520 BFKINA GR
green	CD 1520 BFKINA GN
light grey	 CD 1520 BFKINA LG
orange	CD 1520 BFKINA O
red	CD 1520 BFKINA RT
black	 CD 1520 BFKINA SW

**SCHUKO® socket 45°, 16 A / 250 V ~**screwless terminals for wires up to 2.5 mm<sup>2</sup>

especially suitable for vertical combination of several outlets

without claws: ref.-no. with additional "N", e.g.: ..520-45 N..

**Duroplastic (scratch-proof) glossy**

ivory	 520-45
white	 CD 520-45 WW

**SCHUKO® socket 16 A / 250 V ~****with surge voltage protection****with inscription field 6 x 37 mm**Screw terminals for wires up to 2.5 mm<sup>2</sup>

without claws: ref.-no. with additional "N", e.g.: ..521 N..

**Duroplastic (scratch-proof) glossy**



ivory	521 ZNAUF
white	CD 521 NAUF WW

**SCHUKO® socket 16 A / 250 V ~****with pilot light (green LED) ref.-no.: 193-LED GN****with enhanced contact protection (shutter)****with inscription field 6 x 37 mm**screwless terminals for wires up to 2.5 mm<sup>2</sup>

without claws: ref.-no. with additional "N", e.g.: ..1520 N..

Supporting frame, claws and claw screws are integrated into the earth protection.

**Thermoplastic (breakproof) high-gloss**

ivory	 CD 1520 BFNAKO
white	 CD 1520 BFNAKO WW
green	CD 1520 BFNAKO GN
orange	CD 1520 BFNAKO O
red	CD 1520 BFNAKO RT

Spare pilot light exchangeable from the front without disconnecting the mains

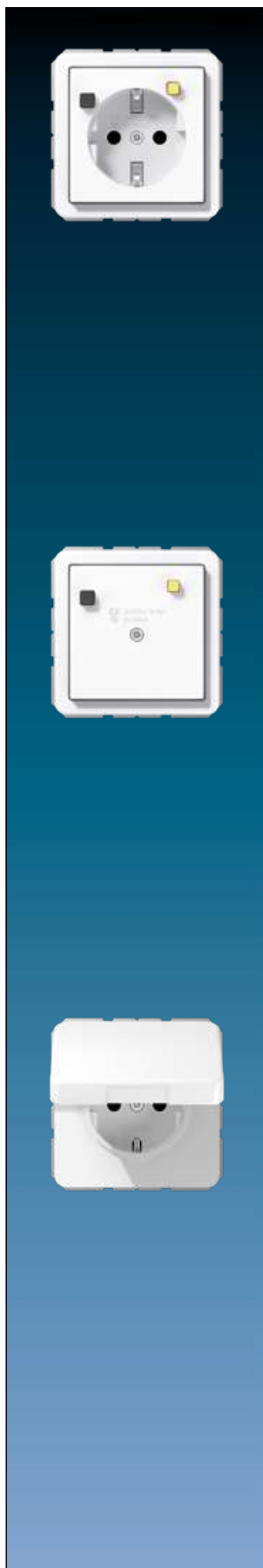
**Transparent cover with paper inlay**

for inscription field 6 x 37 mm

(Spare part)

paper inlay white	CD 20 NA
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Ref.-no.

**SCHUKO® socket with RCD (residual current device) 16 A / 250 V ~**  
**according to DIN EN 61008-1 (VDE 0664-10) and DIN EN 61008-2-1 (VDE 0664-11)**

**Rated residual current: 30 mA**  
**with enhanced contact protection (shutter)**

screwless terminals for wires up to 2.5 mm<sup>2</sup>  
 not suitable for installation in surface caps

The SCHUKO socket with RCD is suitable to replace sockets in older installations.

Sockets that are connected to the RCD-protected output terminals (L' N') are likewise RCD-protected.

The electrical installation up to the SCHUKO® socket with RCD is not protected. The socket can also be switched on and off manually, using the built-in switch.

**Thermoplastic (breakproof) high-gloss**

ivory	<b>CD 5520.30</b>
white	<b>CD 5520.30 WW</b>

**Technical data**

Rated voltage:	AC 230 V ~, 50/60 Hz
Rated current:	16 A
Rated residual current:	30 mA
Ambient temperature:	-25 ... +40 °C

**RCD (residual current device) 16 A / 250 V ~**  
**according to DIN EN 61008-1 (VDE 0664-10) and DIN EN 61008-2-1 (VDE 0664-11)**

**Rated residual current: 30 mA**

screwless terminals for wires up to 2.5 mm<sup>2</sup>  
 not suitable for installation in surface caps

suitable for cables with 2 or 3 conductors

Installation into flush box with a depth of 60 mm is recommended. Protection device with voltage-independent function. The sockets connected to the output terminals are protected acc. to DIN VDE 0100-410.

The electrical installation up to the RCD is not protected!

**Thermoplastic (breakproof) high-gloss**

ivory	<b>CD 5530 FIB</b>
white	<b>CD 5530 FIB WW</b>

**Technical data**

Rated voltage:	AC 230 V ~, 50/60 Hz
Rated current:	16 A
Rated residual current:	30 mA
Ambient temperature:	-25 ... +40 °C

**SCHUKO® socket 16 A / 250 V ~**

**with hinged lid (with spring)**

screwless terminals for wires up to 2.5 mm<sup>2</sup>

without claws: ref.-no. with additional "N", e.g.: ..1520 N..

With screw terminals: ref.-no. ..1521..

Supporting frame, claws and claw screws are integrated into the earth protection.

**Thermoplastic (breakproof) high-gloss**

ivory	IP	L	<b>CD 1520 BFKL</b>
white	IP	L	<b>CD 1520 BFKL WW</b>
brown	IP		<b>CD 1520 BFKL BR</b>
grey	IP	L	<b>CD 1520 BFKL GR</b>
green	IP		<b>CD 1520 BFKL GN</b>
light grey	IP	L	<b>CD 1520 BFKL LG</b>
orange	IP		<b>CD 1520 BFKL O</b>


Ref.-no.

**SCHUKO® socket 16 A / 250 V ~****with hinged lid (with spring)**Screw terminals for wires up to 2.5 mm<sup>2</sup>

without claws: ref.-no. with additional "N", e.g.: ..1521 N..

Supporting frame, claws and claw screws are integrated into the earth protection.

**Thermoplastic (breakproof) high-gloss**

ivory			CD 1521 BFKL
white			CD 1521 BFKL WW
brown			CD 1521 BFKL BR
green			CD 1521 BFKL GN
light grey			CD 1521 BFKL LG
orange			CD 1521 BFKL O

**SCHUKO® socket 16 A / 250 V ~****with hinged lid (with spring)****with enhanced contact protection (shutter)**Screw terminals for wires up to 2.5 mm<sup>2</sup>

without claws: ref.-no. with additional "N", e.g.: ..1521 N..

Supporting frame, claws and claw screws are integrated into the earth protection.

**Thermoplastic (breakproof) high-gloss**

ivory			CD 1521 BFKIKL
white			CD 1521 BFKIKL WW
brown			CD 1521 BFKIKL BR
grey			CD 1521 BFKIKL GR
green			CD 1521 BFKIKL GN
light grey			CD 1521 BFKIKL LG
orange			CD 1521 BFKIKL O





**SCHUKO® socket 16 A / 250 V ~****with hinged lid (with spring)****with inscription field 9 x 58 mm****with enhanced contact protection (shutter)**screwless terminals for wires up to 2.5 mm<sup>2</sup>

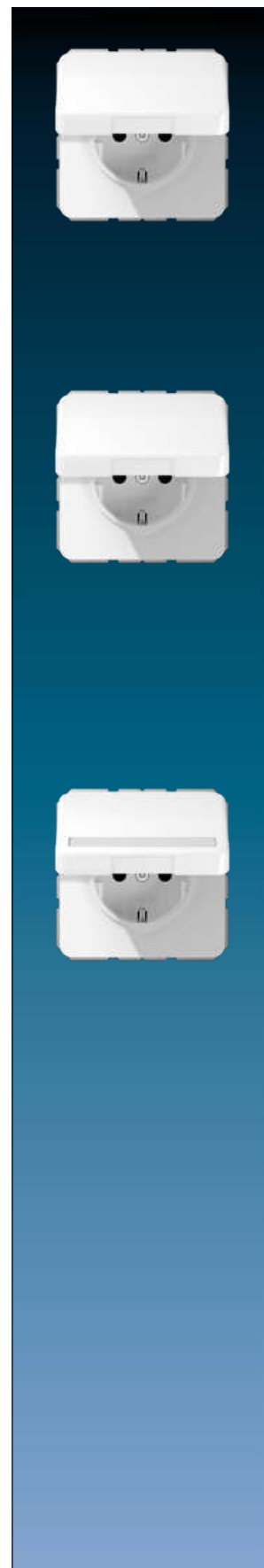
without claws: ref.-no. with additional "N", e.g.: ..1520 N..

With screw terminals: ref.-no. ..1521..

Supporting frame, claws and claw screws are integrated into the earth protection.

**Thermoplastic (breakproof) high-gloss**

ivory			CD 1520 BFNAKL
white			CD 1520 BFNAKL WW
brown			CD 1520 BFNAKL BR
grey			CD 1520 BFNAKL GR
green			CD 1520 BFNAKL GN
light grey			CD 1520 BFNAKL LG
orange			CD 1520 BFNAKL O



# CD range



Ref.-no.

**SCHUKO® socket 16 A / 250 V ~**  
**with hinged lid (with spring)**  
**with inscription field 9 x 58 mm**  
**with enhanced contact protection (shutter)**

Screw terminals for wires up to 2.5 mm<sup>2</sup>

without claws: ref.-no. with additional "N", e.g.: ..1521 N..

Supporting frame, claws and claw screws are integrated into the earth protection.

**Thermoplastic (breakproof) high-gloss**

ivory	IP	L	CD 1521 BFNAKL
white	IP	L	CD 1521 BFNAKL WW
brown	IP		CD 1521 BFNAKL BR
grey	IP	L	CD 1521 BFNAKL GR
green	IP		CD 1521 BFNAKL GN
light grey	IP	L	CD 1521 BFNAKL LG
orange	IP		CD 1521 BFNAKL O

**Transparent cover with paper inlay**

for inscription field 9 x 58 mm

(Spare part)

paper inlay white

CD 90 NA

**SCHUKO® socket 16 A / 250 V ~**  
**with hinged lid (with spring)**  
**with inscription field 9 x 39 mm**  
**with pilot light (green LED) ref.-no.: 193-LED GN**  
**with enhanced contact protection (shutter)**

screwless terminals for wires up to 2.5 mm<sup>2</sup>

without claws: ref.-no. with additional "N", e.g.: ..1520 N..

Supporting frame, claws and claw screws are integrated into the earth protection.

**Thermoplastic (breakproof) high-gloss**

ivory	IP	L	CD 1520 NAKLKO
white	IP	L	CD 1520 NAKLKO WW
green	IP		CD 1520 NAKLKO GN
orange	IP		CD 1520 NAKLKO O
red	IP		CD 1520 NAKLKO RT

Spare pilot light exchangeable from the front without disconnecting the mains

**SCHUKO® socket 16 A / 250 V ~**  
**with hinged lid (with spring)**  
**with inscription field 9 x 39 mm**  
**with safety lock (24 different locks)**  
**with enhanced contact protection (shutter)**

screwless terminals for wires up to 2.5 mm<sup>2</sup>

without claws: ref.-no. with additional "N", e.g.: ..1521 N..

With screw terminals: ref.-no. ..1521..

Supporting frame, claws and claw screws are integrated into the earth protection.

**Thermoplastic (breakproof) high-gloss**

ivory	IP	L	CD 1520 NAKLSL
white	IP	L	CD 1520 NAKLSL WW
brown	IP		CD 1520 NAKLSL BR
grey	IP	L	CD 1520 NAKLSL GR
green	IP		CD 1520 NAKLSL GN
light grey	IP	L	CD 1520 NAKLSL LG
orange	IP		CD 1520 NAKLSL O

**Transparent cover with paper inlay**

for inscription field 9 x 39 mm

(Spare part)

paper inlay white

LS 90 NA

Ref.-no.

**Socket, 2-pole without earth 16 A / 250 V ~**Screw terminals for wires up to 2.5 mm<sup>2</sup>

screw fixing only, without claws

**Duroplastic (scratch-proof) glossy**

ivory	P	511 NUZV
white	P	CD 511 N WW
brown		CD 511 N BR
grey		CD 511 N GR
light grey	P	CD 511 N LG
black		CD 511 N SW

**metal versions (anodized aluminium)**

gold-bronze	L	CD 511 N GB
platinum	L	CD 511 N PT

**Socket insert, French/Belgian system**

2-pole + male earth pin, 16 A / 250 V ~

Supporting frame, claws and claw screws are integrated into the earth protection.

**with claws**

with screwless terminals	1520 F EINS
with screw terminals	1521 F EINS

**Socket insert, French/Belgian system**

2-pole + male earth pin, 16 A / 250 V ~

Supporting frame is integrated into the earth protection.

**without claws**

with screwless terminals	1520 NF EINS
with screw terminals	1521 NF EINS

**Centre plate**

for socket insert French/Belgian system, ref.-no.: 1520 ..F EINS, 1521 ..F EINS

**with enhanced contact protection (shutter)****Duroplastic (scratch-proof) glossy**

ivory	P	CD 1521 FKI PL-1
white	P	CD 1521 FKI WW PL-1
brown		CD 1521 FKI BR PL-1
grey		CD 1521 FKI GR PL-1
light grey	P	CD 1521 FKI LG PL-1
black		CD 1521 FKI SW PL-1

**metal versions (anodized aluminium)**

gold-bronze	CD 1521 FKI GB PL-1
platinum	CD 1521 FKI PT PL-1

**Socket US NEMA system****15 A, 125 V ~, 5-15R, 2-pole + earth**Screw terminals for wires up to 4 mm<sup>2</sup> acc. to US-NEMA**Thermoplastic (breakproof) high-gloss**

ivory	NaV	CD 521-15
white	NaV	CD 521-15 WW



# CD range



Ref.-no.

## Socket US NEMA system

### 20 A, 125 V ~, 5-20R, 2-pole + earth

Screw terminals for wires up to 4 mm<sup>2</sup> acc. to US-NEMA

### Thermoplastic (breakproof) high-gloss

ivory	NaV	<b>CD 521-20</b>
white	NaV	<b>CD 521-20 WW</b>

## Centre plate with knob

for rotary dimmer inserts ref.-no.: 1730 DD, 1731 DD, 211 GDE

for satellite dimmer insert ref.-no.: 1733 DNE

for electronic potentiometer 1 – 10 V ref.-no.: 240-10

for DALI rotary controllers ref.-no.: 1740 DSTE, 1741 DSTE

### Duroplastic (scratch-proof) glossy

ivory	IP P	<b>CD 1540</b>
white	IP P	<b>CD 1540 WW</b>
brown	IP	<b>CD 1540 BR</b>
grey	IP	<b>CD 1540 GR</b>
light grey	IP P	<b>CD 1540 LG</b>
black	IP	<b>CD 1540 SW</b>

## Sealing gasket

for covers for rotary dimmer inserts

IP **140 D**

To obtain protection level IP 44 the sealing gasket ref.-no.: 140 D has to be placed into the centre plate for rotary dimmer and IP 44 frame has to be used.

## Rotary dimmer LED with rotary on/off

with cover and integrated frame

without satellite input

### Duroplastic (scratch-proof) glossy

ivory	P	<b>CD 5544.03 V</b>
white	P	<b>CD 5544.03 V WW</b>

single device, not suitable for combinations

## Technical data

Rated voltage:	AC 230 V ~
Mains frequency:	50 Hz
Stand-by power:	approx. 0.2 W
Power loss:	approx. 3.7 W
Ambient temperature:	-5 ... +45 °C
Connected load at 25 °C	
Incandescent lamps:	20 ... 200 W
HV halogen lamps:	20 ... 200 W
Dimmable HV LED lamps:	typical 3 ... 40 W
Ohmic and HV LED:	typical 3 ... 40 W
Reduction of load	
Surface mounting:	-5 %
for every 5 °C exceeding 35 °C:	-10 %
for installation into wooden or hollow walls:	-15 %
Fine-wire fuse:	T 800 mA H 250
Connection mode:	screw terminals
single wire:	1 x 0.5 ... 2.5 mm <sup>2</sup>
stranded without ferrule:	1 x 0.5 ... 2.5 mm <sup>2</sup>
stranded with ferrule:	1 x 0.5 ... 2.5 mm <sup>2</sup>
2-way switch circuit:	not possible

Ref.-no.

**Standard centre plate**

for LB Management inserts "blinds" ref.-no.: 1730 JE and 1731 JE

for LB Management inserts "light"

ref.-no.: 1701 SE, 1704 ESE, 1702 SE, 1710 DE, 1711 DE, 1713 DSTE, 1720 NE, 1723 NE, 1708 IE

**Duroplastic (scratch-proof) glossy**

ivory	<b>CD 1700</b>
white	<b>CD 1700 WW</b>
brown	<b>CD 1700 BR</b>
grey	<b>CD 1700 GR</b>
light grey	<b>CD 1700 LG</b>
black	<b>CD 1700 SW</b>

**metal colours (duroplastic lacquered)**

gold-bronze	 <b>CD 1700 GB</b>
platinum	 <b>CD 1700 PT</b>

**Standard centre plate "arrows"**

for LB Management inserts "blinds" ref.-no.: 1730 JE and 1731 JE

for LB Management inserts "light"

ref.-no.: 1701 SE, 1704 ESE, 1702 SE, 1710 DE, 1711 DE, 1713 DSTE, 1720 NE, 1723 NE, 1708 IE

**Duroplastic (scratch-proof) glossy**

ivory	<b>CD 1700 P</b>
white	<b>CD 1700 P WW</b>
brown	<b>CD 1700 P BR</b>
grey	<b>CD 1700 P GR</b>
light grey	<b>CD 1700 P LG</b>
black	<b>CD 1700 P SW</b>

**metal versions (anodized aluminium)**

gold-bronze	<b>CD 1700 P GB</b>
platinum	<b>CD 1700 P PT</b>

**Universal centre plate**

for LB Management inserts "blinds" ref.-no.: 1730 JE and 1731 JE

for LB Management inserts "light"

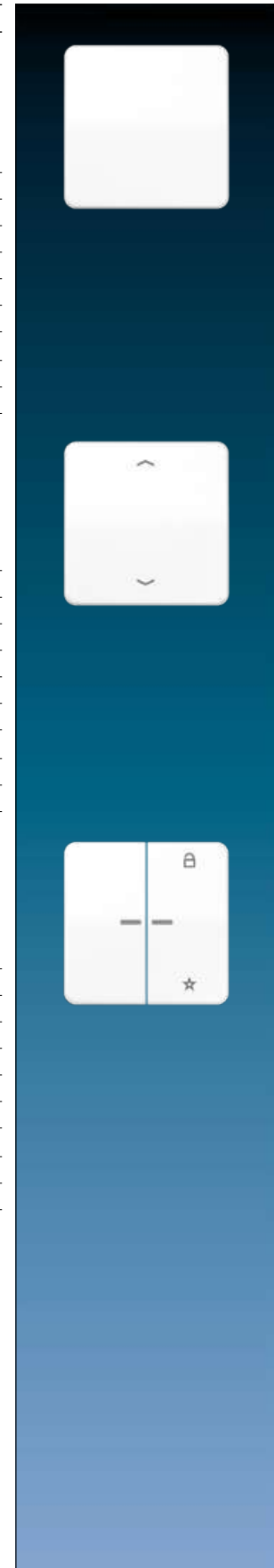
ref.-no.: 1701 SE, 1704 ESE, 1702 SE, 1710 DE, 1711 DE, 1713 DSTE, 1723 NE

**Duroplastic (scratch-proof) glossy**

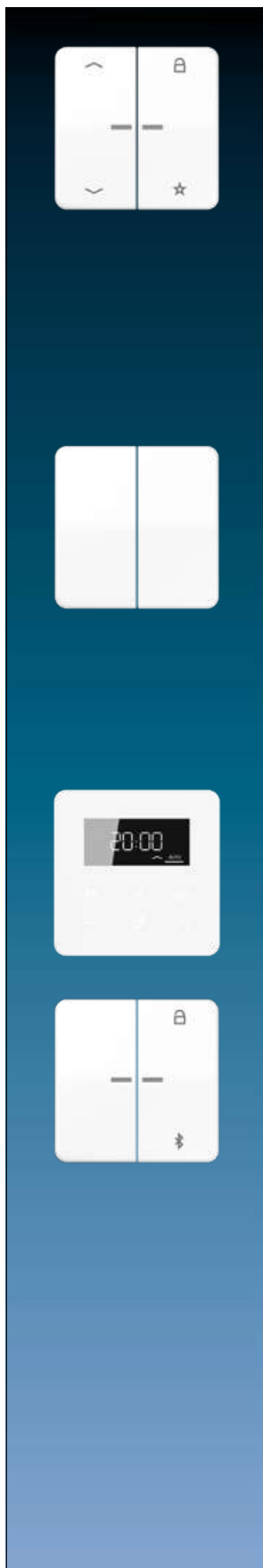
ivory	<b>CD 1701</b>
white	<b>CD 1701 WW</b>
brown	<b>CD 1701 BR</b>
grey	<b>CD 1701 GR</b>
light grey	<b>CD 1701 LG</b>
black	<b>CD 1701 SW</b>

**metal colours (duroplastic lacquered)**

gold-bronze	<b>CD 1701 GB</b>
platinum	<b>CD 1701 PT</b>



# CD range



Ref.-no.

## Universal centre plate "arrows"

for LB Management inserts "blinds" ref.-no.: 1730 JE and 1731 JE

for LB Management inserts "light"

ref.-no.: 1701 SE, 1704 ESE, 1702 SE, 1710 DE, 1711 DE, 1713 DSTE, 1723 NE

### Duroplastic (scratch-proof) glossy

ivory	CD 1701 P
white	CD 1701 P WW
brown	CD 1701 P BR
grey	CD 1701 P GR
light grey	CD 1701 P LG
black	CD 1701 P SW

### metal colours (duroplastic lacquered)

gold-bronze	CD 1701 P GB
platinum	CD 1701 P PT

## Standard centre plate 2-gang

for LB Management inserts "light" ref.-no.: 1702 SE, 1712 DE, 1713 DSTE, 1723 NE

### Duroplastic (scratch-proof) glossy

ivory	CD 1702
white	CD 1702 WW
brown	CD 1702 BR
grey	CD 1702 GR
light grey	CD 1702 LG
black	CD 1702 SW

### metal colours (duroplastic lacquered)

gold-bronze	CD 1702 GB
platinum	CD 1702 PT

## Standard timer with display

for LB Management inserts "blinds" ref.-no.: 1730 JE and 1731 JE

for LB Management inserts "light"

ref.-no.: 1701 SE, 1704 ESE, 1702 SE, 1710 DE, 1711 DE, 1713 DSTE, 1723 NE

white	CD 1750 D WW
black	CD 1750 D SW

## Universal timer Bluetooth

for LB Management inserts "blinds" ref.-no.: 1730 JE and 1731 JE

for LB Management inserts "light"

ref.-no.: 1701 SE, 1704 ESE, 1702 SE, 1710 DE, 1711 DE, 1713 DSTE, 1723 NE

### Duroplastic (scratch-proof) glossy

ivory	CD 1751 BT
white	CD 1751 BT WW
brown	CD 1751 BT BR
grey	CD 1751 BT GR
light grey	CD 1751 BT LG
black	CD 1751 BT SW

### metal colours (duroplastic lacquered)

gold-bronze	CD 1751 BT GB
platinum	CD 1751 BT PT



Ref.-no.

**Universal timer Bluetooth "arrows"**

for LB Management inserts "blinds" ref.-no.: 1730 JE and 1731 JE

for LB Management inserts "light"

ref.-no.: 1701 SE, 1704 ESE, 1702 SE, 1710 DE, 1711 DE, 1713 DSTE, 1723 NE

**Duroplastic (scratch-proof) glossy**

ivory	<b>CD 1751 PBT</b>
white	<b>CD 1751 PBT WW</b>
brown	<b>CD 1751 PBT BR</b>
grey	<b>CD 1751 PBT GR</b>
light grey	<b>CD 1751 PBT LG</b>
black	<b>CD 1751 PBT SW</b>

**metal colours (duroplastic lacquered)**

gold-bronze	<b>CD 1751 PBT GB</b>
platinum	<b>CD 1751 PBT PT</b>

**eNet Standard radio centre plate**

for LB Management inserts "blinds" ref.-no.: 1730 JE and 1731 JE

for LB Management inserts "light"

ref.-no.: 1701 SE, 1704 ESE, 1702 SE, 1710 DE, 1711 DE, 1713 DSTE, 1723 NE

**Duroplastic (scratch-proof) glossy**

ivory	<b>FM CD 1700</b>
white	<b>FM CD 1700 WW</b>
brown	<b>FM CD 1700 BR</b>
grey	<b>FM CD 1700 GR</b>
light grey	<b>FM CD 1700 LG</b>
black	<b>FM CD 1700 SW</b>

**metal colours (duroplastic lacquered)**

gold-bronze	<b>FM CD 1700 GB</b>
platinum	<b>FM CD 1700 PT</b>

**eNet Standard radio centre plate "arrows"**

for LB Management inserts "blinds" ref.-no.: 1730 JE and 1731 JE

for LB Management inserts "light"

ref.-no.: 1701 SE, 1704 ESE, 1702 SE, 1710 DE, 1711 DE, 1713 DSTE, 1723 NE

**Duroplastic (scratch-proof) glossy**

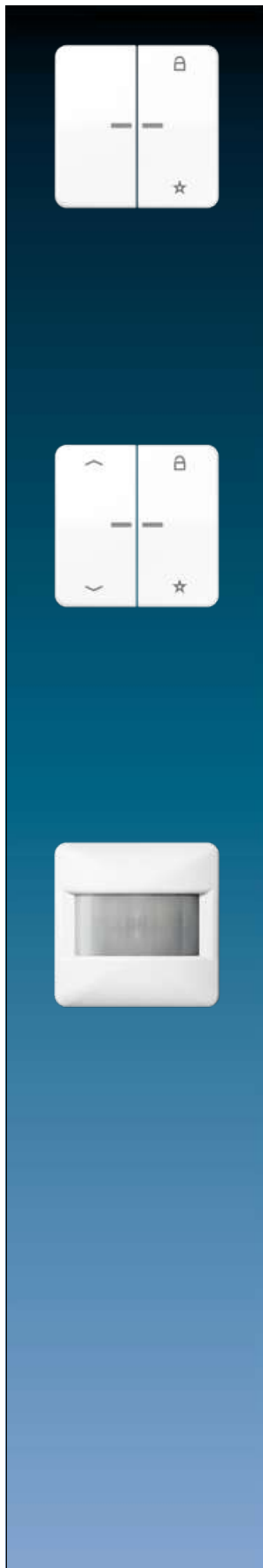
ivory	<b>FM CD 1700 P</b>
white	<b>FM CD 1700 P WW</b>
brown	<b>FM CD 1700 P BR</b>
grey	<b>FM CD 1700 P GR</b>
light grey	<b>FM CD 1700 P LG</b>
black	<b>FM CD 1700 P SW</b>

**metal colours (duroplastic lacquered)**

gold-bronze	<b>FM CD 1700 P GB</b>
platinum	<b>FM CD 1700 P PT</b>



# CD range



Ref.-no.

## eNet radio centre plate

for LB Management inserts "blinds" ref.-no.: 1730 JE and 1731 JE

for LB Management inserts "light"

ref.-no.: 1701 SE, 1704 ESE, 1702 SE, 1710 DE, 1711 DE, 1713 DSTE, 1723 NE

### Duroplastic (scratch-proof) glossy

ivory	<b>FM CD 1701</b>
white	<b>FM CD 1701 WW</b>
brown	<b>FM CD 1701 BR</b>
grey	<b>FM CD 1701 GR</b>
light grey	<b>FM CD 1701 LG</b>
black	<b>FM CD 1701 SW</b>

### metal colours (duroplastic lacquered)

gold-bronze	<b>FM CD 1701 GB</b>
platinum	<b>FM CD 1701 PT</b>

## eNet radio centre plate "arrows"

for LB Management inserts "blinds" ref.-no.: 1730 JE and 1731 JE

for LB Management inserts "light"

ref.-no.: 1701 SE, 1704 ESE, 1702 SE, 1710 DE, 1711 DE, 1713 DSTE, 1723 NE

### Duroplastic (scratch-proof) glossy

ivory	<b>FM CD 1701 P</b>
white	<b>FM CD 1701 P WW</b>
brown	<b>FM CD 1701 P BR</b>
grey	<b>FM CD 1701 P GR</b>
light grey	<b>FM CD 1701 P LG</b>
black	<b>FM CD 1701 P SW</b>

### metal colours (duroplastic lacquered)

gold-bronze	<b>FM CD 1701 P GB</b>
platinum	<b>FM CD 1701 P PT</b>

## Standard automatic switch 1.1 m

for LB Management inserts "light"

ref.-no.: 1701 SE, 1704 ESE, 1702 SE, 1710 DE, 1711 DE, 1713 DSTE, 1723 NE, 1708 IE

### Thermoplastic (breakproof) high-gloss

ivory	<b>CD 17180</b>
white	<b>CD 17180 WW</b>
brown	<b>CD 17180 BR</b>
grey	<b>CD 17180 GR</b>
light grey	<b>CD 17180 LG</b>
black	<b>CD 17180 SW</b>

### metal colours (thermoplastic lacquered)

gold-bronze	<b>CD 17180 GB</b>
platinum	<b>CD 17180 PT</b>

Ref.-no.

**Standard automatic switch 1.1 m**

for LB Management inserts "light"

ref.-no.: 1701 SE, 1704 ESE, 1702 SE, 1710 DE, 1711 DE, 1713 DSTE, 1723 NE, 1708 IE

**IP 44 suitable only for indoor installation****Thermoplastic (breakproof) high-gloss**

ivory	IP	CD 17180 WU
white	IP	CD 17180 WU WW
brown	IP	CD 17180 WU BR
grey	IP	CD 17180 WU GR
light grey	IP	CD 17180 WU LG
black	IP	CD 17180 WU SW

**metal colours (thermoplastic lacquered)**

gold-bronze	IP	CD 17180 WU GB
platinum	IP	CD 17180 WU PT

**Standard automatic switch 2.2 m**

for LB Management inserts "light"

ref.-no.: 1701 SE, 1704 ESE, 1702 SE, 1710 DE, 1711 DE, 1713 DSTE, 1723 NE, 1708 IE

**IP 44 suitable only for indoor installation****Thermoplastic (breakproof) high-gloss**

ivory	IP	CD 17280
white	IP	CD 17280 WW
grey	IP	CD 17280 GR
light grey	IP	CD 17280 LG
black	IP	CD 17280 SW

**metal colours (thermoplastic lacquered)**

gold-bronze	IP	CD 17280 GB
platinum	IP	CD 17280 PT

**Universal automatic switch 1.1 m**

for LB Management inserts "light"

ref.-no.: 1701 SE, 1704 ESE, 1702 SE, 1710 DE, 1711 DE, 1713 DSTE, 1723 NE, 1708 IE

**Thermoplastic (breakproof) high-gloss**

ivory	CD 17181
white	CD 17181 WW
brown	CD 17181 BR
grey	CD 17181 GR
light grey	CD 17181 LG
black	CD 17181 SW

**metal colours (thermoplastic lacquered)**

gold-bronze	CD 17181 GB
platinum	CD 17181 PT

**Universal automatic switch 1.1 m**

for LB Management inserts "light"

ref.-no.: 1701 SE, 1704 ESE, 1702 SE, 1710 DE, 1711 DE, 1713 DSTE, 1723 NE, 1708 IE

**IP 44 suitable only for indoor installation****Thermoplastic (breakproof) high-gloss**

ivory	IP	CD 17181 WU
white	IP	CD 17181 WU WW
brown	IP	CD 17181 WU BR
grey	IP	CD 17181 WU GR
light grey	IP	CD 17181 WU LG
black	IP	CD 17181 WU SW

**metal colours (thermoplastic lacquered)**

gold-bronze	IP	CD 17181 WU GB
platinum	IP	CD 17181 WU PT



# CD range



Ref.-no.

## Universal automatic switch 2.2 m

for LB Management inserts "light"

ef.-no.: 1701 SE, 1704 ESE, 1702 SE, 1710 DE, 1711 DE, 1713 DSTE, 1723 NE, 1708 IE

**IP 44 suitable for indoor and outdoor installation**

**Thermoplastic (breakproof) high-gloss**

ivory	IP	CD 17281
white	IP	CD 17281 WW
grey	IP	CD 17281 GR
light grey	IP	CD 17281 LG
black	IP	CD 17281 SW
<b>metal colours (thermoplastic lacquered)</b>		
gold-bronze	IP	CD 17281 GB
platinum	IP	CD 17281 PT

## Sealing kit

for automatic switches 2.2 m of the CD and LS ranges

IP AS CD 50 DS

To obtain protection level IP 44

## Electronic timer, 230 V~, 1500 VA

with frame

The device is operated simply by pressing the button. After a previously set time delay the timer switches off automatically. The activated time delay can be stopped by pressing the button again.

1-pole switch contact, with status LED, satellite operation possible

**Duroplastic (scratch-proof) glossy**

**time delay 1 – 60 min.**

white P CD 1060 ET WW

**Duroplastic (scratch-proof) glossy**

**time delay 1 – 8 hours**

white P CD 10.480 ET WW

## Timer switch 16 AX / 250 V ~

Screw terminals for wires up to 4 mm<sup>2</sup>

screw fixing only, without claws

incl. 1-gang frame and scale disc

accuracy ± 10 %

**Duroplastic (scratch-proof) glossy**

white	2-pole, 1-way	max. 30 minutes	IP	CD 11030 WW
	1-pole, 2-way	max. 30 minutes	IP	CD 11030-20 WW
	2-pole, 1-way	max. 60 minutes	IP	CD 11060 WW
	2-pole, 1-way	max. 120 minutes	IP	CD 11120 WW
	1-pole, 2-way	max. 120 minutes	IP	CD 11120-20 WW
	2-pole, 1-way	max. 240 minutes	IP	CD 11240 WW
	2-pole, 1-way	max. 360 minutes	IP	CD 11360 WW
	2-pole, 1-way	max. 720 minutes	IP	CD 11720 WW

Ref.-no.

**Timer switch with synchronised drive 16 AX 250 V ~**

screw fixing only, without claws

Neutral conductor required

**Thermoplastic (breakproof) high-gloss**

ivory	CD 5024
white	CD 5024 WW

**Product characteristics**

- Min. switch ON or switch OFF time: 30 minutes
- Switching wheel (24 h) with 48 switching segments
- Simple programming by pulling switching segments
- Mode switch: permanently ON, Auto, permanently OFF

**Technical data**

Rated voltage:	AC 230 V ~, 50 Hz
Switching capacity:	16 (4) A / AC 250 V ~ (the rated current for motors is in brackets)
Ambient temperature:	-20 ... +50 °C

**Awning control, AeroTec 04****Thermoplastic (breakproof) high-gloss**

white	AT 04 WW
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The AeroTec timer may be used to operate sun protection systems **only**.**Intermediate frame to install "AeroTec 04"  
in CD range**

white	CD AT 581 Z WW
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**Room thermostat (1-way contact)**

1-pole NC contact 10 (4) A, AC 230 V ~, 50/60 Hz

**Thermoplastic (breakproof) high-gloss**

ivory	TR CD 231
white	TR CD 231 WW
brown	TR CD 231 BR
grey	TR CD 231 GR
light grey	TR CD 231 LG
black	TR CD 231 SW

**metal versions (anodized aluminium)**

gold-bronze	TR CD 231 GB
platinum	TR CD 231 PT

**Room thermostat (1-way contact)**

1-pole NC contact 10 (4) A, AC 24 V ~

**Thermoplastic (breakproof) high-gloss**

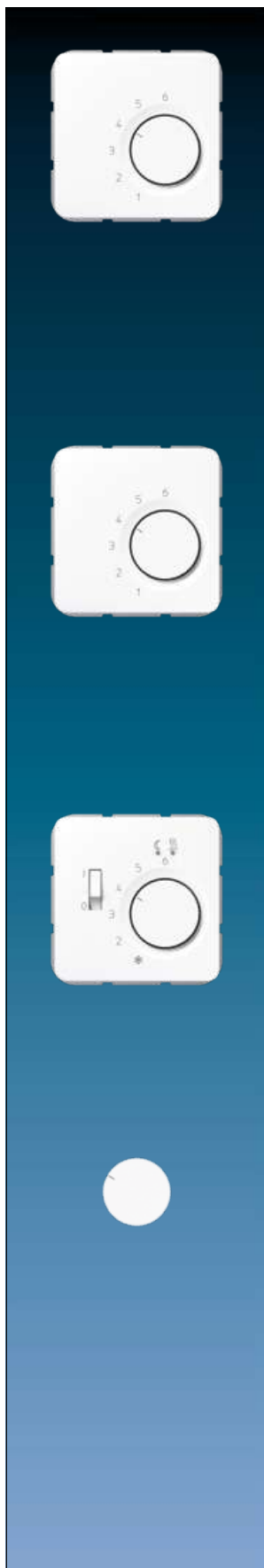
ivory	TR CD 241
white	TR CD 241 WW
brown	TR CD 241 BR
grey	TR CD 241 GR
light grey	TR CD 241 LG
black	TR CD 241 SW

**metal versions (anodized aluminium)**

gold-bronze	TR CD 241 GB
platinum	TR CD 241 PT



# CD range



Ref.-no.

## Room thermostat (2-way contact)

1-pole, 2-way, heating 10 (4) A, AC 230 V ~, 50/60 Hz

1-pole, 2-way, cooling 5 (2) A, AC 230 V ~, 50/60 Hz

For switching between heating/cooling the EBERLE terminal strip EV..H/K is necessary.

### Thermoplastic (breakproof) high-gloss

ivory	TR CD 236
white	TR CD 236 WW
brown	TR CD 236 BR
grey	TR CD 236 GR
light grey	TR CD 236 LG
black	TR CD 236 SW

### metal versions (anodized aluminium)

gold-bronze	TR CD 236 GB
platinum	TR CD 236 PT

## Room thermostat (2-way contact)

1-pole, 2-way, heating 10 (4) A, AC 24 V ~

1-pole, 2-way, cooling 5 (2) A, AC 24 V ~

### Thermoplastic (breakproof) high-gloss

ivory	TR CD 246
white	TR CD 246 WW
brown	TR CD 246 BR
grey	TR CD 246 GR
light grey	TR CD 246 LG
black	TR CD 246 SW

### metal versions (anodized aluminium)

gold-bronze	TR CD 246 GB
platinum	TR CD 246 PT

## Floor thermostat

1-pole NO contact 10 A, AC 230 V ~, 50/60 Hz

### Thermoplastic (breakproof) high-gloss

ivory	FTR CD 231
white	FTR CD 231 WW
brown	FTR CD 231 BR
grey	FTR CD 231 GR
light grey	FTR CD 231 LG
black	FTR CD 231 SW

### metal versions (anodized aluminium)

gold-bronze	FTR CD 231 GB
platinum	FTR CD 231 PT

## Special knob, manipulation-proof

ivory	MS TR 231
white	MS TR 231 WW
brown	MS TR 231 BR
grey	MS TR 231 GR
light grey	MS TR 231 LG
black	MS TR 231 SW

### for metal versions

bronze-beige	MS TR 231 BB
platinum-grey	MS TR 231 PG

The set temperature can no longer be changed after the knob has been "locked".

Dismounting only possible with tool.

	Ref.-no.
<b>Humidistat</b>	
<b>Thermoplastic (breakproof) high-gloss</b>	
ivory	CD 5201 HYG
white	CD 5201 HYG WW
grey	CD 5201 HYG GR
light grey	CD 5201 HYG LG
<b>Room thermostat with display standard</b>	
consists of room thermostat insert (ref.-no.: 1790 RTR) and display (ref.-no.: .. 1790 D ..)	
white	TR D CD 1790 WW
black	TR D CD 1790 SW

**External temperature sensor**

for room thermostat ref.-no. 1790 RTR, TR D .. 1790 ..  
spare part for floor thermostat ref.-no. FTR .. 231 ..  
The sensor cable can be connected using a bifilar cable of 1.5 mm<sup>2</sup> in diameter that is suitable for mains voltage. When installed in a cable duct or near high voltage current cables, a shielded cable must be used.

**FF 7.8**

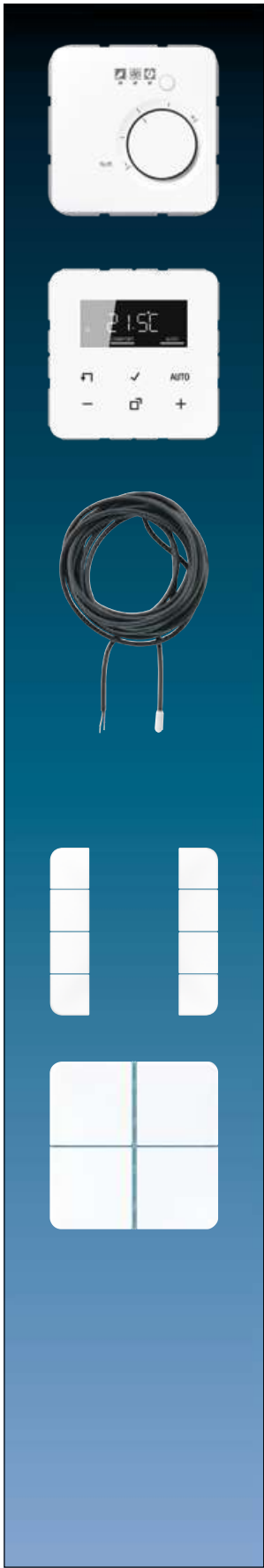
Also suitable as external temperature sensor for the following KNX devices, ref.-no.:  
.. 2178 TS .., .. 2178 ORTS .., .. 5192 KRM TS D, .. 5194 KRM TS D, 2177 SV R, 23066 REGHE

**Technical data**

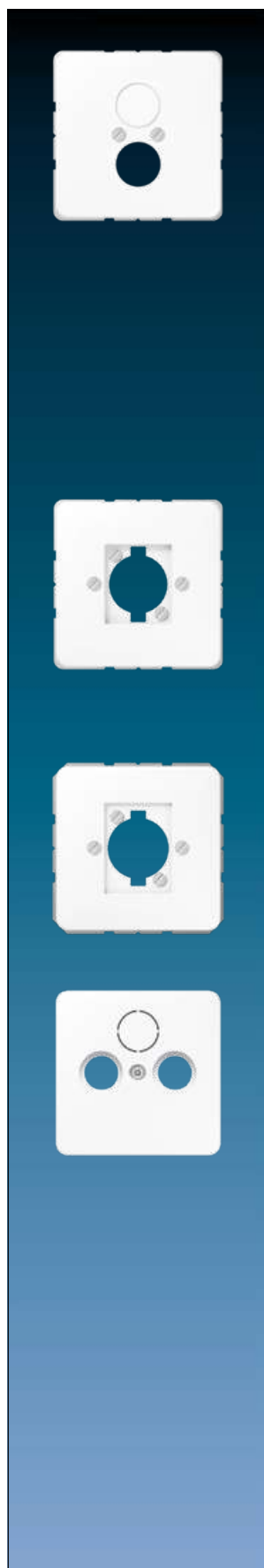
NTC sensor in plastic cap 7.8 mm Ø  
Cable length: 4 m  
Ambient temperature: -25 ... +70 °C

Cover kits F50 see as of page 665

Cover kits F40 see as of page 672



# CD range



Ref.-no.

## Centre plate

with supporting frame, screw fixing only

**for 2 loudspeaker sockets** up to 18.5 mm Ø or with flange mounting 22.5 mm hole spacing.

In connection with mounting plate ref.-no. 63 WBT (not included) for loudspeaker terminal ref.-no. LPK 63 RT/SW and RCA socket ref.-no. CIB 63.

**Second hole can be broken out.**

### Duroplastic (scratch-proof) glossy

ivory	P	562
white	P	CD 562 WW
brown		CD 562 BR
grey		CD 562 GR
light grey	P	CD 562 LG
black		CD 562 SW

### metal versions (anodized aluminium)

gold-bronze	L	CD 562 GB
platinum	L	CD 562 PT

## Centre plate

with supporting frame, screw fixing only

for loudspeaker socket ref.-no.: PB 4

for chassis connector ref.-no.: CXLR-S, CXLR-D

for XLR chassis Neutrik D / DL / DLX Series

internal dimensions (W x H): 27.5 x 32.5 mm

### Duroplastic (scratch-proof) glossy

ivory	P	568-1
white	P	CD 568-1 WW

## Centre plate for XLR socket

with supporting frame, screw fixing only

e.g. Binder, Cannon, Neutrik (P Series)

internal dimensions (W x H): 27.5 x 37 mm

### Duroplastic (scratch-proof) glossy

ivory	P	568
white	P	CD 568 WW

## Centre plate

for TV-FM socket outlet inserts ref.-no.: EDU 04 F, GEDU 10, GEDU 15

for SAT-TV-FM socket outlet inserts ref.-no.: EDA 302 F, GDA 313 F

for TV-FM sockets acc. to DIN 45330 and standard SAT-TV-FM sockets

### Thermoplastic (breakproof) high-gloss

ivory	L	561 SAT
white	L	CD 561 SAT WW
brown		CD 561 SAT BR
grey	L	CD 561 SAT GR
light grey	L	CD 561 SAT LG
black	L	CD 561 SAT SW

### metal versions (anodized aluminium)

gold-bronze	L	CD 561 SAT GB
platinum	L	CD 561 SAT PT



Ref.-no.

## Electronic door signal AC 8 – 12 V ~ / DC 12 – 17 V

with supporting frame, screw fixing only

### Thermoplastic (breakproof) high-gloss

ivory	<b>567 S</b>
white	<b>CD 567 S WW</b>

### Technical data

Loudness:	approx. 82 dB(A) (sound 1, approx. 800 Hz), distance 1 m and AC 12 V ~ (Piezo, with sound generator) approx. 96 dB(A) (sound 2, approx. 3000 Hz), distance 1 m and AC 12 V ~ (Piezo, with sound generator)
Terminals:	~ 1 sound 1 (approx. 800 Hz) ~ 2 sound 2 (approx. 3,000 Hz)
Current consumption:	approx. 24 mA at AC 12 V ~ approx. 12 mA at DC 12 V

## Triple-tone door signal

with supporting frame, screw fixing only

### Thermoplastic (breakproof) high-gloss

ivory	<b>CD 567-G3</b>
white	<b>CD 567-G3 WW</b>

2 separate terminals for 2 or 3 tone signal  
power supply: 8 ... 12 V AC or 8 ... 24 V DC, via external power supply (SELV)  
e.g. ref.-no. NT 2405 VDC or NT 2415 REG VDC  
current consumption: approx. 150 mA

### Cable outlet

with supporting frame, screw fixing only  
opening for cables with max. 8 mm Ø

### Duroplastic (scratch-proof) glossy

ivory	<b>P</b>	<b>590 A</b>
white	<b>P</b>	<b>CD 590 A WW</b>
brown		<b>CD 590 A BR</b>
grey		<b>CD 590 A GR</b>
light grey	<b>P</b>	<b>CD 590 A LG</b>
black		<b>CD 590 A SW</b>

### metal versions (anodized aluminium)

gold-bronze	<b>L</b>	<b>CD 590 A GB</b>
platinum	<b>L</b>	<b>CD 590 A PT</b>

### Cable outlet

#### with inscription field 6 x 37 mm

with supporting frame, screw fixing only  
opening for cables with max. 8 mm Ø

### Duroplastic (scratch-proof) glossy

ivory	<b>P</b>	<b>590 NAA</b>
white	<b>P</b>	<b>CD 590 NAA WW</b>

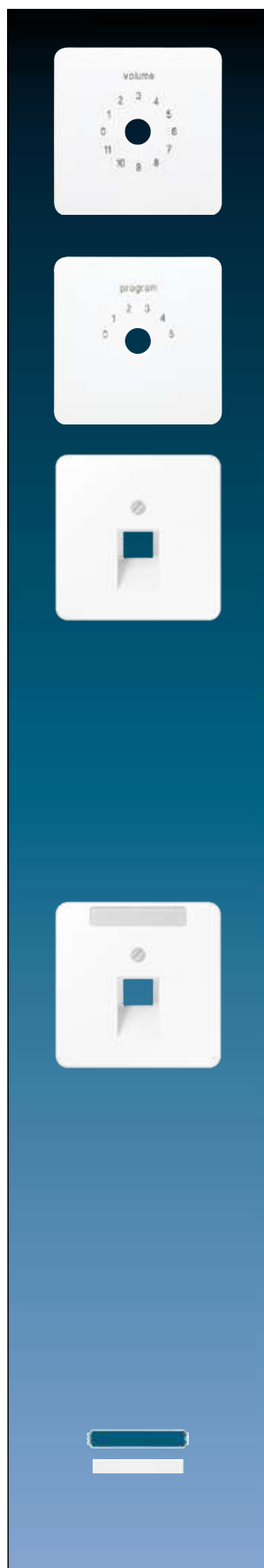
## Transparent cover with paper inlay

for inscription field 6 x 37 mm  
(Spare part)

paper inlay white	<b>CD 20 NA</b>
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# CD range



Ref.-no.

## Centre plate for volume control (0 – 11):

Dynacord L 314 / L 3100

discontinued: WHD LSt 6 CD- / LSt 50 CD- / LR 15..CD

for available WHD inserts see covers with ref.-no. .. 1541 .. or .. 1941 ..

## Thermoplastic (breakproof) high-gloss

ivory	594-8
white	CD 594-8 WW

## Centre plate for program selection (0 – 5):

Dynacord L 314 SR / L 3100 SR

WHD PRO 3 CD..

## Thermoplastic (breakproof) high-gloss

ivory	594-9
white	CD 594-9 WW

## Centre plate

for 1-gang modular jack sockets

IAE/UAE sockets ref.-no.: UAE 8 UPO

for sockets Cat. 6 ref.-no.: UAE 8 UPOK6

(1 x 8-pol.)

for WLAN access point ref.-no.: WLAN-AC-UAE, WLAN-AC-POE-UAE

## Thermoplastic (breakproof) high-gloss

ivory	569-1 UA
white	CD 569-1 UA WW
brown	CD 569-1 UA BR
grey	CD 569-1 UA GR
light grey	CD 569-1 UA LG
black	CD 569-1 UA SW

## metal versions (anodized aluminium)

gold-bronze	CD 569-1 UA GB
platinum	CD 569-1 UA PT

## Centre plate with inscription field 6 x 37 mm

for 1-gang modular jack sockets

IAE/UAE sockets ref.-no.: UAE 8 UPO

for sockets Cat. 6 ref.-no.: UAE 8 UPOK6

(1 x 8-pol.)

for WLAN access point ref.-no.: WLAN-AC-UAE, WLAN-AC-POE-UAE

## Thermoplastic (breakproof) high-gloss

ivory	569-1 NAUA
white	CD 569-1 NAUA WW
brown	CD 569-1 NAUA BR
grey	CD 569-1 NAUA GR
light grey	CD 569-1 NAUA LG
black	CD 569-1 NAUA SW

## metal versions (anodized aluminium)

gold-bronze	CD 569-1 NAUA GB
platinum	CD 569-1 NAUA PT

Suitable inserts:

Rutenbeck: UAE 8(4) UPO, UAE 8(8) UPO, UAE-Cat.5e-8 UPO OK, UAE-real.Cat.6-8 UPO OK

Telegärtner: AMJ 45, UMJ 45 and ISDN 1 x RJ 45 (TYP 8)

## Transparent cover with paper inlay

for inscription field 6 x 37 mm

(Spare part)

paper inlay white	CD 20 NA
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Ref.-no.

**Centre plate**






for 2-gang modular jack sockets

IAE/UAE sockets ref.-no.: UAE 2 x 8 UPO, UAE 8-8 UPO



for sockets Cat. 6 ref.-no.: UAE 8-8 UPOK6  
(2 x 8-pol.)

for media converter 2-gang ref.-no.: MK-POF-2UAE

**Thermoplastic (breakproof) high-gloss**

ivory	 569-2 UA
white	 CD 569-2 UA WW
brown	CD 569-2 UA BR
grey	 CD 569-2 UA GR
light grey	 CD 569-2 UA LG
black	 CD 569-2 UA SW

**metal versions (anodized aluminium)**

gold-bronze	 CD 569-2 UA GB
platinum	 CD 569-2 UA PT

Suitable inserts:

METZ CONNECT (BTR): 1307441001-i or 1307441200-i; E-Dat design 8/8(8), Class E

Rutenbeck: UAE 8/8 (8/8) UPO, UAE 2x8 (8) UPO, UAE-Cat.5e-8/8 UPO OK, UAE-real.Cat.6-8/8 UPO OK

Telegärtner: AMJ 45, UMJ 45 and ISDN 2 x RJ 45 (TYP 8/8)

**Centre plate with inscription field 6 x 37 mm**






for 2-gang modular jack sockets

IAE/UAE sockets ref.-no.: UAE 2 x 8 UPO, UAE 8-8 UPO



for sockets Cat. 6 ref.-no.: UAE 8-8 UPOK6  
(2 x 8-pol.)

for media converter 2-gang ref.-no.: MK-POF-2UAE

**Thermoplastic (breakproof) high-gloss**

ivory	 569-2 NAUA
white	 CD 569-2 NAUA WW
brown	CD 569-2 NAUA BR
grey	 CD 569-2 NAUA GR
light grey	 CD 569-2 NAUA LG
black	 CD 569-2 NAUA SW

**metal versions (anodized aluminium)**

gold-bronze	 CD 569-2 NAUA GB
platinum	 CD 569-2 NAUA PT

Suitable inserts:

METZ CONNECT (BTR): 1307441001-i or 1307441200-i; E-Dat design 8/8(8), Class E

Rutenbeck: UAE 8/8 (8/8) UPO, UAE 2x8 (8) UPO, UAE-Cat.5e-8/8 UPO OK, UAE-real.Cat.6-8/8 UPO OK

Telegärtner: AMJ 45, UMJ 45 and ISDN 2 x RJ 45 (TYP 8/8)

**Transparent cover with paper inlay**

for inscription field 6 x 37 mm

(Spare part)

paper inlay white	CD 20 NA
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# CD range



Ref.-no.


## Centre plate (screw fixing)

for stereo loudspeaker socket ref.-no.: SLA 2 WW, SLA 2 AN

for 2-gang supporting frame ref.-no.: UMA-MA2 in connection with universal modular jack socket type A ref.-no.: UMA-CAT6A

for USB charger ref.-no.: USB 15 CA WW, USB 15 CA SW

## Thermoplastic (breakproof) high-gloss

ivory	 <b>569 T</b>
white	 <b>CD 569 T WW</b>
brown	<b>CD 569 T BR</b>
grey	 <b>CD 569 T GR</b>
light grey	 <b>CD 569 T LG</b>
black	 <b>CD 569 T SW</b>

for **Rutenbeck**: UM-MA 2 Up with UM-real Cat.6a A



for **Dätwyler**: flush-mounted modular jack socket (for 2 x MS-K 1/8 Cat.6a), ref.-no.: 440 012

## Centre plate (screw fixing)

for 2-gang supporting frame ref.-no.: UMA-MA2 in connection with universal modular jack socket type A ref.-no.: UMA-CAT6A

for USB charger ref.-no.: USB 15 CA WW, USB 15 CA SW

## metal versions (anodized aluminium)

gold-bronze	 <b>CD 569 T GB</b>
platinum	 <b>CD 569 T PT</b>

for **Rutenbeck**: UM-MA 2 Up with UM-real Cat.6a A

for **Dätwyler**: flush-mounted modular jack socket (for 2 x MS-K 1/8 Cat.6a), ref.-no.: 440 012

## Centre plate (screw fixing) with inscription field 6 x 37 mm



for stereo loudspeaker socket ref.-no.: SLA 2 WW, SLA 2 AN

for 2-gang supporting frame ref.-no.: UMA-MA2 in connection with universal modular jack socket type A ref.-no.: UMA-CAT6A

for USB data interface ref.-no.: 2131 USBS

for USB charger ref.-no.: USB 15 CA WW, USB 15 CA SW

## Thermoplastic (breakproof) high-gloss

ivory	 <b>569 TNA</b>
white	 <b>CD 569 TNA WW</b>

for **Rutenbeck**: UM-MA 2 Up with UM-real Cat.6a A

for **Dätwyler**: flush-mounted modular jack socket (for 2 x MS-K 1/8 Cat.6a), ref.-no.: 440 012

## Transparent cover with paper inlay

for inscription field 6 x 37 mm

(Spare part)

paper inlay white	<b>CD 20 NA</b>
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USB charger see page 72

## Centre plate (snap-on fixing) with inscription field 6 x 37 mm







with supporting frame, screw fixing only

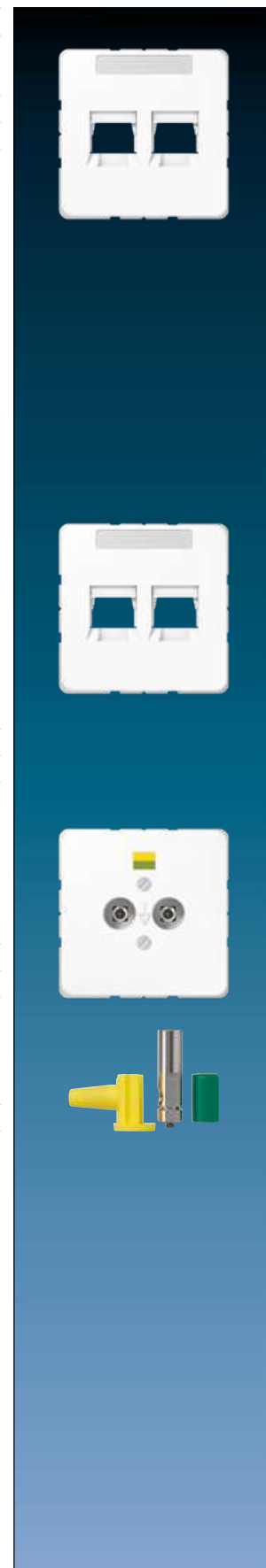
for universal modular jack socket ref.-no.: UMA-CAT6A

## for 1 socket

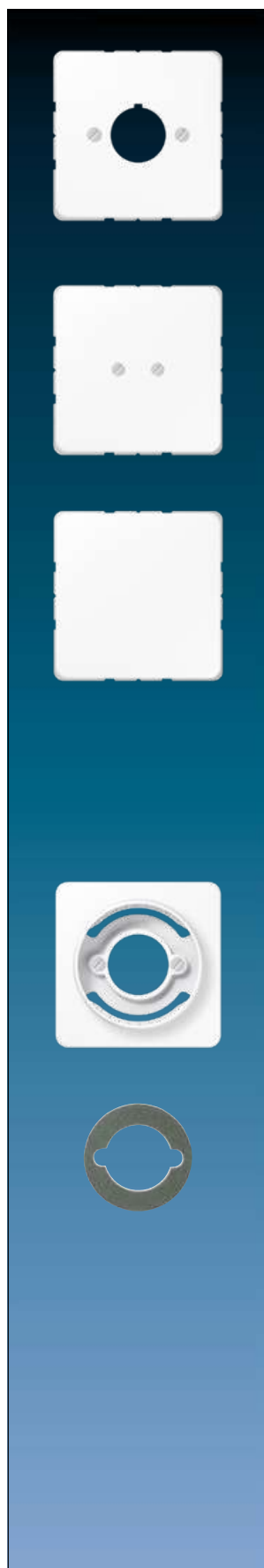
## Thermoplastic (breakproof) high-gloss

ivory	 <b>569-1 WE</b>
white	 <b>CD 569-1 WE WW</b>

	Ref.-no.
<b>for 2 sockets</b>	
<b>Thermoplastic (breakproof) high-gloss</b>	
ivory	 <b>569-2 WE</b>
white	 <b>CD 569-2 WE WW</b>
for modular jack sockets	
<b>RADIAL:</b>	
modular jack unshielded 6P6C, RJ 12, Cat. 4 (ref.-no. R280MOD804)	
modular jack unshielded 8P8C, RJ 45, Cat. 4 (ref.-no. R280MOD805)	
modular jack unshielded 8P8C, RJ 45, Cat. 5e (ref.-no. R280MOD807)	
<b>Panduit:</b>	
keystone jack KJ 88..	
keystone jack KJ 588..	
<b>Assmann:</b>	
module DN-93612 Cat. 6A, shielded, Keystone	
module DN-93614	
<b>SCHRACK</b>	
HSPMRJ6G1A, HSEMRJ6GBA, HSEMRJ6GBS, HSEMRJ6GWA, HSEMRJ6GWS, HSEMRJ6UWS	
<b>Centre plate (snap-on fixing) with inscription field 6 x 37 mm</b>	
with supporting frame, screw fixing only	
for modular jack Avaya (AT&T)	
Cat. 3 RJ 45, M1 series: ref.-no. M1BH.., unshielded,	
Cat. 5 RJ 45, MPS100 series: ref.-no. MPS100BH.., unshielded,	
Cat. 6 RJ 45, MGS200 series: GigaSPEED, ref.-no. MGS200BH.., unshielded	
<b>for 2 sockets</b>	
<b>Thermoplastic (breakproof) high-gloss</b>	
ivory	 <b>569-2 AT</b>
white	 <b>CD 569-2 AT WW</b>
<b>Potential equalisation socket</b>	
with supporting frame, screw fixing only	
with 2 one-pole built-in male sockets according to DIN 42801	
for wires up to 6 mm <sup>2</sup>	
<b>Duroplastic (scratch-proof) glossy</b>	
ivory	 <b>565-2</b>
white	 <b>CD 565-2 WW</b>
<b>Right angle plug</b>	
for potential equalisation socket	
screw terminal for wires with 4 or 6 mm <sup>2</sup>	
	<b>65 WIS</b>



# CD range



Ref.-no.

## Centre plate (screw fixing)

with supporting frame, screw fixing only  
for commanding appliance with Ø 22.5 mm  
e.g. Moeller, Rafi, Schlegel, Lumitas, Kraus-Naimer

### Duroplastic (scratch-proof) glossy

ivory	P	564
white	P	CD 564 WW
yellow		564 GE

## Blank centre plate (screw fixing)

with supporting frame, screw fixing only

### Duroplastic (scratch-proof) glossy

ivory	P	561 B
white	P	CD 561 B WW

## Blank centre plate (snap-on fixing)

with supporting frame, screw fixing only

### Thermoplastic (breakproof) high-gloss

ivory	IP	L	594-0
white	IP	L	CD 594-0 WW
brown	IP		CD 594-0 BR
grey	IP	L	CD 594-0 GR
light grey	IP	L	CD 594-0 LG
black	IP	L	CD 594-0 SW

### metal versions (anodized aluminium)

gold-bronze	L	CD 594-0 GB
platinum	L	CD 594-0 PT

The cover will be installed with snap-on fixing and enables individual cuttings or drilling holes.

## Centre plate

for pilot lights ref.-no.: 938-10 U and 938-14 U

### Duroplastic (scratch-proof) glossy








ivory	IP	537
white	IP	CD 537 WW

## Sealing gasket

for covers for pilot light ref.-no.: ..537.., ..937..

IP	37 D
----	------

To obtain protection level IP 44 the sealing gasket ref.-no.: 37 D has to be placed into the pilot light centre plate and IP 44 frame has to be used.

	Ref.-no.
<b>Screw cap</b>	
for covers for pilot light ref.-no.: ..537.., ..937..	
<b>flat, for lamps up to max. length of 35 mm</b>	
transparent	37.02
red	37.05
green	37.06
yellow	37.07
blue	37.08
<b>high, for lamps up to max. length of 54 mm</b>	
transparent	37
red	37 R
green	37 G
yellow	37 GE
blue	37 BL
<b>Intermediate frame</b>	
to install devices with 50 x 50 mm cover (DIN 49075)	
<b>Thermoplastic (breakproof) high-gloss</b>	
ivory	590 Z
white	CD 590 Z WW
<b>Intermediate frame</b>	
to install devices of other manufacturers with 55 x 55 mm cover	
Not suitable for devices of the AS / A ranges.	
<b>Thermoplastic (breakproof) high-gloss</b>	
ivory	561 Z5
white	CD 561 Z5 WW
<b>Intermediate frame</b>	
for the installation of "Ackermann" RJ 45 sockets WAEG..	
<b>Thermoplastic (breakproof) high-gloss</b>	
ivory	590 ZA
white	CD 590 ZA WW
<b>Hinged lid</b>	
for sockets and devices with 50 x 50 mm cover	
<b>Thermoplastic (breakproof) high-gloss</b>	
ivory	 CD 590 KL
white	 CD 590 KL WW
brown	CD 590 KL BR
grey	 CD 590 KL GR
green	CD 590 KL GN
light grey	 CD 590 KL LG
orange	CD 590 KL O
black	 CD 590 KL SW
<b>metal versions (anodized aluminium)</b>	
gold-bronze	 CD 590 KL GB
platinum	 CD 590 KL PT



# CD range



Ref.-no.	
<b>Hinged lid with spring</b>	
for sockets and devices with 50 x 50 mm cover	
<b>Thermoplastic (breakproof) high-gloss</b>	
ivory	<b>CD 590 BFKL</b>
white	<b>CD 590 BFKL WW</b>
brown	<b>CD 590 BFKL BR</b>
grey	<b>CD 590 BFKL GR</b>
green	<b>CD 590 BFKL GN</b>
light grey	<b>CD 590 BFKL LG</b>
orange	<b>CD 590 BFKL O</b>
<b>Hinged lid with spring</b>	
<b>with inscription field 9 x 58 mm</b>	
for sockets and devices with 50 x 50 mm cover	
<b>Thermoplastic (breakproof) high-gloss</b>	
ivory	<b>CD 590 BFNAKL</b>
white	<b>CD 590 BFNAKL WW</b>
brown	<b>CD 590 BFNAKL BR</b>
grey	<b>CD 590 BFNAKL GR</b>
green	<b>CD 590 BFNAKL GN</b>
light grey	<b>CD 590 BFNAKL LG</b>
orange	<b>CD 590 BFNAKL O</b>
red	<b>CD 590 BFNAKL RT</b>
<b>Transparent cover with paper inlay</b>	
for inscription field 9 x 58 mm	
(Spare part)	
paper inlay white	<b>CD 90 NA</b>
<b>Hinged lid with spring</b>	
<b>with safety lock (24 different locks)</b>	
<b>with inscription field 9 x 39 mm</b>	
for sockets and devices with 50 x 50 mm cover	
<b>Thermoplastic (breakproof) high-gloss</b>	
ivory	<b>CD 590 BFKLSL</b>
white	<b>CD 590 BFKLSL WW</b>
brown	<b>CD 590 BFKLSL BR</b>
grey	<b>CD 590 BFKLSL GR</b>
green	<b>CD 590 BFKLSL GN</b>
light grey	<b>CD 590 BFKLSL LG</b>
orange	<b>CD 590 BFKLSL O</b>
red	<b>CD 590 BFKLSL RT</b>
<b>Key</b>	
1 piece	<b>802 SL – 825 SL</b>
<b>When ordering, please indicate lock number!</b>	
<b>Transparent cover with paper inlay</b>	
for inscription field 9 x 39 mm	
(Spare part)	
paper inlay white	<b>LS 90 NA</b>



Ref.-no.

**Hinged lid****with symbol "charger"**

for USB charger ref.-no.: USB 15 CA WW, USB 15 CA SW  
including centre plate

**Thermoplastic (breakproof) high-gloss**

ivory	CD 590 KL USB
white	CD 590 KL USB WW
brown	CD 590 KL USB BR
grey	CD 590 KL USB GR
light grey	CD 590 KL USB LG
black	CD 590 KL USB SW

**metal versions (anodized aluminium)**

gold-bronze	CD 590 KL USB GB
platinum	CD 590 KL USB PT

**Hinged lid****with symbol "plug"**

for sockets with 50 x 50 mm cover

**Thermoplastic (breakproof) high-gloss**

ivory	CD 590 KL SOC
white	CD 590 KL SOC WW
brown	CD 590 KL SOC BR
grey	CD 590 KL SOC GR
light grey	CD 590 KL SOC LG
black	CD 590 KL SOC SW

**metal versions (anodized aluminium)**

gold-bronze	CD 590 KL SOC GB
platinum	CD 590 KL SOC PT

**Hinged lid****with symbol "LAN"**

for 2-gang modular jack sockets

IAE/UAE sockets ref.-no.: UAE 2 x 8 UPO, UAE 8-8 UPO

for sockets Cat. 6 ref.-no.: UAE 8-8 UPOK6

(2 x 8-pol.)

including centre plate

**Thermoplastic (breakproof) high-gloss**

ivory	CD 590 KL LAN
white	CD 590 KL LAN WW
brown	CD 590 KL LAN BR
grey	CD 590 KL LAN GR
light grey	CD 590 KL LAN LG
black	CD 590 KL LAN SW


**metal versions (anodized aluminium)**

gold-bronze	CD 590 KL LAN GB
platinum	CD 590 KL LAN PT



# CD range

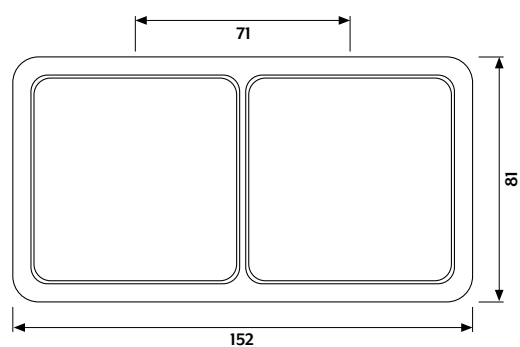
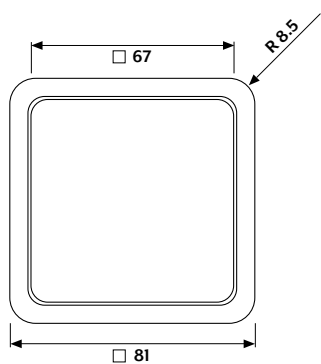


Ref.-no.	
<b>Convex hinged lid</b>	
<b>with inscription field 23 x 59 mm</b>	
for sockets and devices with 50 x 50 mm cover	
<b>Thermoplastic (breakproof) high-gloss</b>	
white	<b>CD 554 KL WW</b>
<b>Convex hinged lid</b>	
<b>with inscription field 23 x 59 mm</b>	
<b>with safety lock</b>	
for sockets and devices with 50 x 50 mm cover	
<b>Thermoplastic (breakproof) high-gloss</b>	
white	<b>CD 554 SLKL WW</b>
<b>Key</b>	
1 piece	<b>802 SL – 825 SL</b>
<b>When ordering, please indicate lock number!</b>	
<b>Transparent cover with paper inlay</b>	
for inscription field 23 x 59 mm	
(Spare part)	
paper inlay white	<b>CD 54 NA</b>
<b>Sealing gasket</b>	
to ensure protection level IP 44	
for all flush-mounted switch/push-button inserts of the 500 range, SCHUKO® sockets with hinged lid, rotary switches and timer switch inserts	
for all devices, covers and frames with blue "IP 44 marking"	
in some cases with additional gaskets acc. to product description	
	<b>551 WU</b>

# CD 500



PLATINUM



## Frame edge radius

R 8.5

## Frame dimensions

1-gang	81 mm x 81 mm
2-gang	81 mm x 152 mm
3-gang	81 mm x 223 mm
4-gang	81 mm x 294 mm
5-gang	81 mm x 365 mm

# CD range






CD 500








Ref.-no.

## Frame for horizontal and vertical installation Duroplastic (scratch-proof) glossy






### ivory

1-gang	81 x 81 mm		<b>CD 581 W</b>
2-gang	81 x 152 mm		<b>CD 582 W</b>
3-gang	81 x 223 mm		<b>CD 583 W</b>
4-gang	81 x 294 mm		<b>CD 584 W</b>
5-gang	81 x 365 mm		<b>CD 585 W</b>






### white

1-gang	81 x 81 mm		<b>CD 581 WW</b>
2-gang	81 x 152 mm		<b>CD 582 WW</b>
3-gang	81 x 223 mm		<b>CD 583 WW</b>
4-gang	81 x 294 mm		<b>CD 584 WW</b>
5-gang	81 x 365 mm		<b>CD 585 WW</b>






### brown

1-gang	81 x 81 mm		<b>CD 581 BR</b>
2-gang	81 x 152 mm		<b>CD 582 BR</b>
3-gang	81 x 223 mm		<b>CD 583 BR</b>
4-gang	81 x 294 mm		<b>CD 584 BR</b>
5-gang	81 x 365 mm		<b>CD 585 BR</b>






### grey

1-gang	81 x 81 mm		<b>CD 581 GR</b>
2-gang	81 x 152 mm		<b>CD 582 GR</b>
3-gang	81 x 223 mm		<b>CD 583 GR</b>
4-gang	81 x 294 mm		<b>CD 584 GR</b>
5-gang	81 x 365 mm		<b>CD 585 GR</b>

### light grey

1-gang	81 x 81 mm		<b>CD 581 LG</b>
2-gang	81 x 152 mm		<b>CD 582 LG</b>
3-gang	81 x 223 mm		<b>CD 583 LG</b>
4-gang	81 x 294 mm		<b>CD 584 LG</b>
5-gang	81 x 365 mm		<b>CD 585 LG</b>

### black

1-gang	81 x 81 mm		<b>CD 581 SW</b>
2-gang	81 x 152 mm		<b>CD 582 SW</b>
3-gang	81 x 223 mm		<b>CD 583 SW</b>
4-gang	81 x 294 mm		<b>CD 584 SW</b>
5-gang	81 x 365 mm		<b>CD 585 SW</b>

Ref.-no.

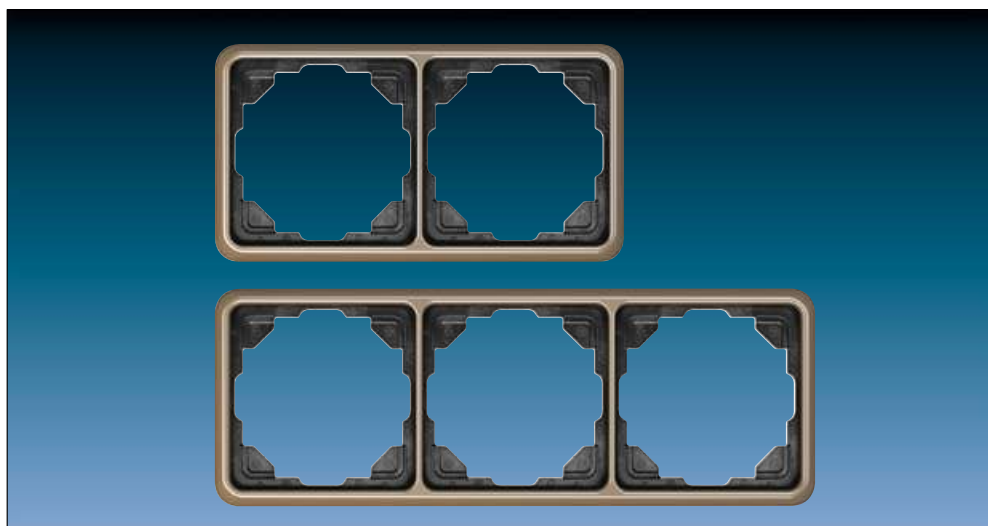
**Frame**  
for horizontal and vertical installation  
metal versions (anodized aluminium)

**gold-bronze**

1-gang	81 x 81 mm	<b>CD 581 GB</b>
2-gang	81 x 152 mm	<b>CD 582 GB</b>
3-gang	81 x 223 mm	<b>CD 583 GB</b>
4-gang	81 x 294 mm	<b>CD 584 GB</b>
5-gang	81 x 365 mm	<b>CD 585 GB</b>

**platinum**

1-gang	81 x 81 mm	<b>CD 581 PT</b>
2-gang	81 x 152 mm	<b>CD 582 PT</b>
3-gang	81 x 223 mm	<b>CD 583 PT</b>
4-gang	81 x 294 mm	<b>CD 584 PT</b>
5-gang	81 x 365 mm	<b>CD 585 PT</b>



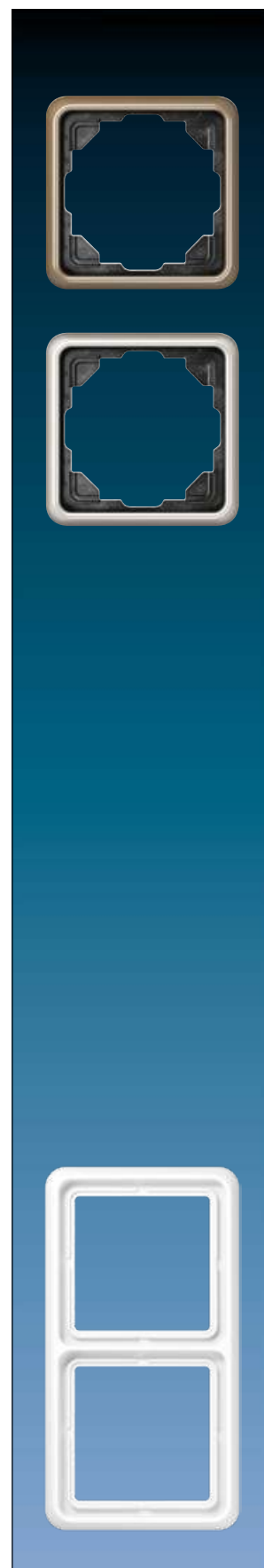
**Frame**  
for horizontal and vertical installation  
Thermoplastic (breakproof) high-gloss

**ivory**

1-gang	81 x 81 mm	<b>IP</b>	<b>CD 581 WU W</b>
2-gang	81 x 152 mm	<b>IP</b>	<b>CD 582 WU W</b>
3-gang	81 x 223 mm	<b>IP</b>	<b>CD 583 WU W</b>
4-gang	81 x 294 mm	<b>IP</b>	<b>CD 584 WU W</b>
5-gang	81 x 365 mm	<b>IP</b>	<b>CD 585 WU W</b>

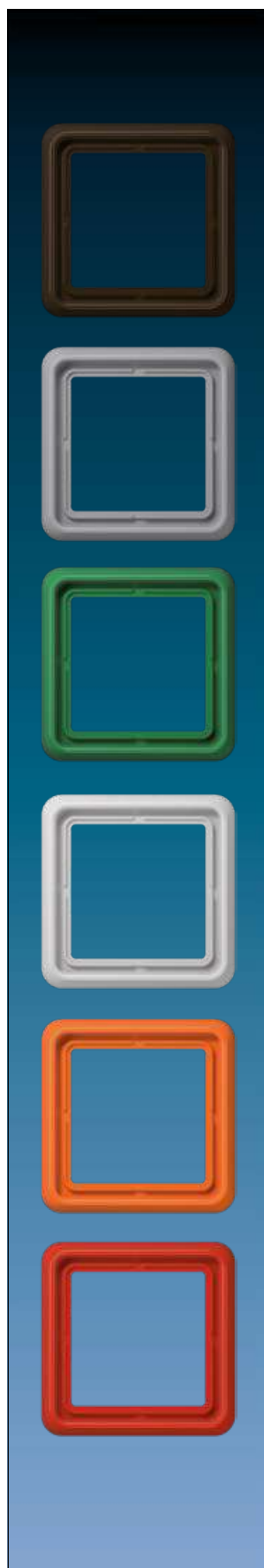
**white**

1-gang	81 x 81 mm	<b>IP</b>	<b>CD 581 WU WW</b>
2-gang	81 x 152 mm	<b>IP</b>	<b>CD 582 WU WW</b>
3-gang	81 x 223 mm	<b>IP</b>	<b>CD 583 WU WW</b>
4-gang	81 x 294 mm	<b>IP</b>	<b>CD 584 WU WW</b>
5-gang	81 x 365 mm	<b>IP</b>	<b>CD 585 WU WW</b>



# CD range






CD 500








Ref.-no.

## Frame for horizontal and vertical installation






### brown

1-gang	81 x 81 mm		CD 581 WU BR
2-gang	81 x 152 mm		CD 582 WU BR
3-gang	81 x 223 mm		CD 583 WU BR
4-gang	81 x 294 mm		CD 584 WU BR
5-gang	81 x 365 mm		CD 585 WU BR






### grey

1-gang	81 x 81 mm		CD 581 WU GR
2-gang	81 x 152 mm		CD 582 WU GR
3-gang	81 x 223 mm		CD 583 WU GR
4-gang	81 x 294 mm		CD 584 WU GR
5-gang	81 x 365 mm		CD 585 WU GR






### green

1-gang	81 x 81 mm		CD 581 WU GN
2-gang	81 x 152 mm		CD 582 WU GN
3-gang	81 x 223 mm		CD 583 WU GN
4-gang	81 x 294 mm		CD 584 WU GN
5-gang	81 x 365 mm		CD 585 WU GN




### light grey

1-gang	81 x 81 mm		CD 581 WU LG
2-gang	81 x 152 mm		CD 582 WU LG
3-gang	81 x 223 mm		CD 583 WU LG
4-gang	81 x 294 mm		CD 584 WU LG
5-gang	81 x 365 mm		CD 585 WU LG

### orange

1-gang	81 x 81 mm		CD 581 WU O
2-gang	81 x 152 mm		CD 582 WU O
3-gang	81 x 223 mm		CD 583 WU O
4-gang	81 x 294 mm		CD 584 WU O
5-gang	81 x 365 mm		CD 585 WU O

### red

1-gang	81 x 81 mm		CD 581 WU RT
2-gang	81 x 152 mm		CD 582 WU RT
3-gang	81 x 223 mm		CD 583 WU RT

Ref.-no.

**Frame for cable duct installation  
for horizontal and vertical installation  
Thermoplastic (breakproof) high-gloss**

**ivory**

1-gang	80 x 80 mm	<b>CD 581 K W</b>
2-gang	80 x 151 mm	<b>CD 582 K W</b>
3-gang	80 x 222 mm	<b>CD 583 K W</b>

**white**

1-gang	80 x 80 mm	<b>CD 581 K WW</b>
2-gang	80 x 151 mm	<b>CD 582 K WW</b>
3-gang	80 x 222 mm	<b>CD 583 K WW</b>

**grey**

1-gang	80 x 80 mm	<b>CD 581 K GR</b>
2-gang	80 x 151 mm	<b>CD 582 K GR</b>
3-gang	80 x 222 mm	<b>CD 583 K GR</b>

**light grey**

1-gang	80 x 80 mm	<b>CD 581 K LG</b>
2-gang	80 x 151 mm	<b>CD 582 K LG</b>
3-gang	80 x 222 mm	<b>CD 583 K LG</b>

**green**

1-gang	80 x 80 mm	<b>CD 581 K GN</b>
2-gang	80 x 151 mm	<b>CD 582 K GN</b>
3-gang	80 x 222 mm	<b>CD 583 K GN</b>

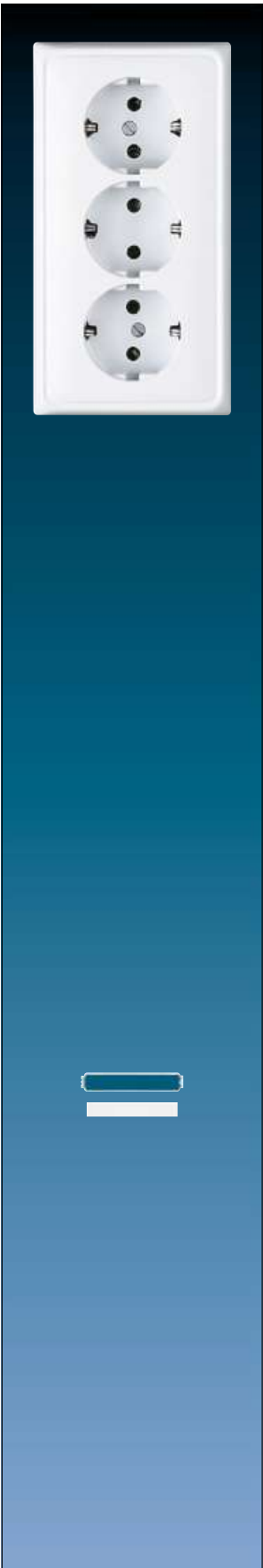
**orange**

1-gang	80 x 80 mm	<b>CD 581 K O</b>
2-gang	80 x 151 mm	<b>CD 582 K O</b>
3-gang	80 x 222 mm	<b>CD 583 K O</b>



# CD range

CD 500



Ref.-no.

## SCHUKO® socket for cable ducts 16 A / 250 V ~

crewless terminals for wires up to 2.5 mm<sup>2</sup>  
Cover with integrated frame  
for installation into cable duct boxes  
dimensions: 80 x 151 mm

**3-gang**

**Duroplastic (scratch-proof) glossy**

ivory	P	CD 523
white	P	CD 523 WW

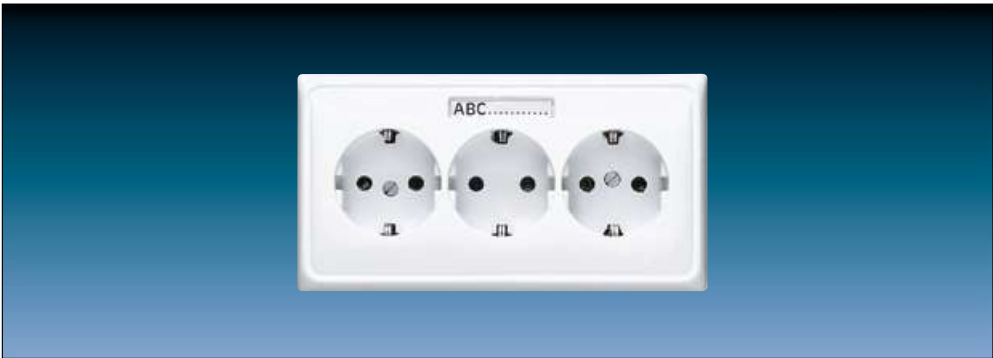
## SCHUKO® socket for cable ducts 16 A / 250 V ~ with 1 inscription field 6 x 37 mm above middle socket

crewless terminals for wires up to 2.5 mm<sup>2</sup>  
Cover with integrated frame  
for installation into cable duct boxes  
dimensions: 80 x 151 mm

**3-gang**

**Duroplastic (scratch-proof) glossy**

ivory	P	CD 523 NA
white	P	CD 523 NA WW



## Transparent cover with paper inlay

for inscription field 6 x 37 mm  
(Spare part)

paper inlay white	CD 20 NA
-------------------	----------



Ref.-no.

## Surface cap

with integrated frame and non-flammable ground plate  
for inserts with covers of the CD range (except key switches ref.-no. ...15,  
3-level-switch and socket for Switzerland type 13)  
1-gang, 85 x 85 x 47 mm

### Duroplastic (scratch-proof) glossy

ivory	CD 581 A W
white	CD 581 A WW
brown	CD 581 A BR
grey	CD 581 A GR

2-gang, 156 x 85 x 47 mm

### Duroplastic (scratch-proof) glossy

ivory	CD 582 A W
white	CD 582 A WW
brown	CD 582 A BR
grey	CD 582 A GR

3-gang, 227 x 85 x 47 mm

### Duroplastic (scratch-proof) glossy

ivory	CD 583 A W
white	CD 583 A WW
brown	CD 583 A BR
grey	CD 583 A GR

## Mounting box for surface caps

(Spare part)

1-gang	581 A
2-gang	582 A
3-gang	583 A

## Strain relief

### for surface caps

for cables 3 x 1.5 mm<sup>2</sup> up to 5 x 2.5 mm<sup>2</sup> (Ø 7 up to 13 mm)

58 A ZUG

## Inlets for cables, pipes and trunkings in surface caps

### for cable and mini trunking

ivory	11
white	11 WW
brown	11 BR
grey	11 GR

### for trunking 15 x 15 mm

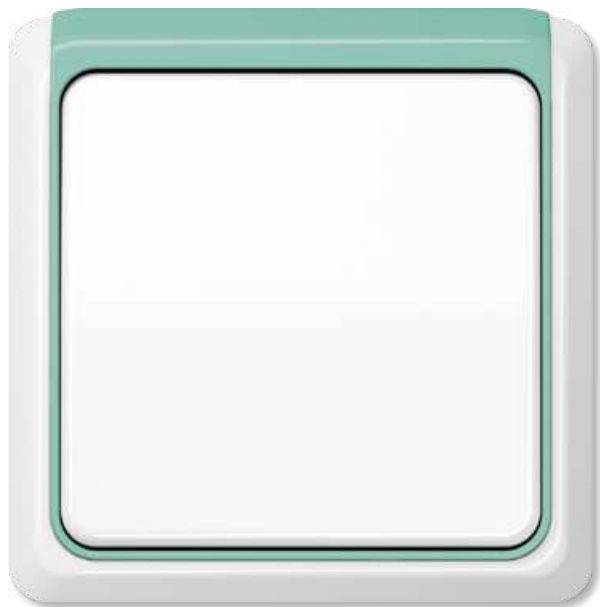
ivory	12
white	12 WW
brown	12 BR
grey	12 GR

### for pipes with outside Ø 16 mm

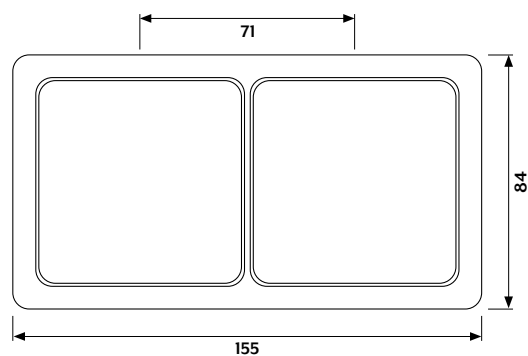
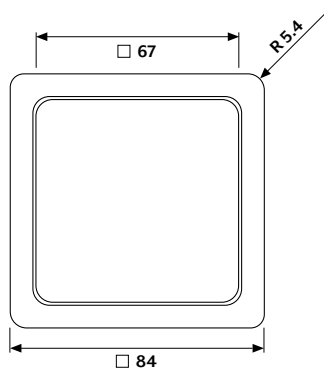
ivory	13
white	13 WW
brown	13 BR
grey	13 GR



# CD PLUS



WHITE WITH INTERNAL COLOUR FRAME IN LIGHT GREEN



## Frame edge radius

R 5.4

## Frame dimensions

1-gang	84 mm x 84 mm
2-gang	84 mm x 155 mm
3-gang	84 mm x 226 mm
4-gang	84 mm x 297 mm
5-gang	84 mm x 368 mm

Ref.-no.

## Frame

for horizontal and vertical installation

for CD range

To be completed with internal colour frames (ref.-no.: CDP 81 ..) or external colour frames (ref.-no.: CDP 82 ..)

**Duroplastic (scratch-proof) glossy**

### white

1-gang	84 x 84 mm	<b>CDP 581 WW</b>
2-gang	84 x 155 mm	<b>CDP 582 WW</b>
3-gang	84 x 226 mm	<b>CDP 583 WW</b>
4-gang	84 x 297 mm	<b>CDP 584 WW</b>
5-gang	84 x 368 mm	<b>CDP 585 WW</b>

### light grey

1-gang	84 x 84 mm	<b>CDP 581 LG</b>
2-gang	84 x 155 mm	<b>CDP 582 LG</b>
3-gang	84 x 226 mm	<b>CDP 583 LG</b>
4-gang	84 x 297 mm	<b>CDP 584 LG</b>
5-gang	84 x 368 mm	<b>CDP 585 LG</b>

### black

1-gang	84 x 84 mm	<b>CDP 581 SW</b>
2-gang	84 x 155 mm	<b>CDP 582 SW</b>
3-gang	84 x 226 mm	<b>CDP 583 SW</b>
4-gang	84 x 297 mm	<b>CDP 584 SW</b>
5-gang	84 x 368 mm	<b>CDP 585 SW</b>

## Internal colour frame

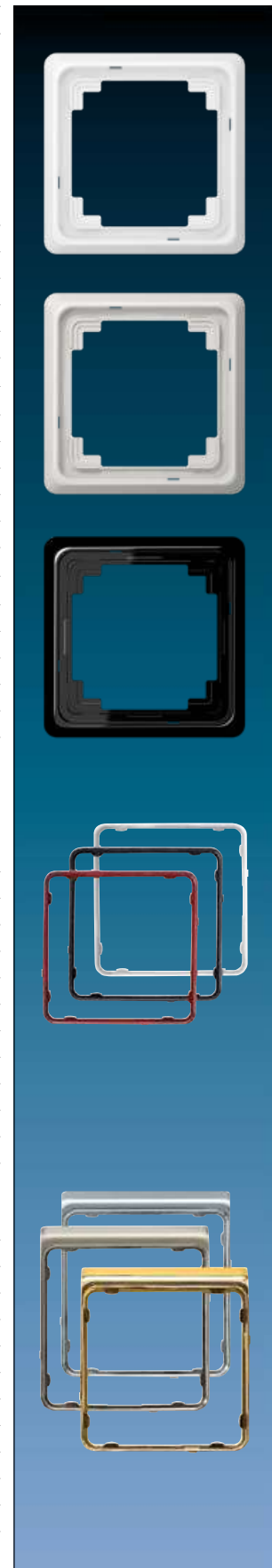
for installation in frames ref.-no. CDP 58..

light grey	<b>CDP 81 LG</b>
yellow	<b>CDP 81 GE</b>
light green	<b>CDP 81 LGN</b>
stainless steel	<b>CDP 81 ES</b>
granite	<b>CDP 81 GT</b>
metallic green	<b>CDP 81 GNM</b>
metallic black	<b>CDP 81 SWM</b>
metallic blue	<b>CDP 81 BLM</b>
metallic red	<b>CDP 81 RTM</b>
chrome	<b>CDP 81 GCR</b>
gold	<b>CDP 81 GGO</b>

## External colour frame

for installation in frames ref.-no. CDP 58..

light grey	<b>CDP 82 LG</b>
yellow	<b>CDP 82 GE</b>
light green	<b>CDP 82 LGN</b>
stainless steel	<b>CDP 82 ES</b>
granite	<b>CDP 82 GT</b>
metallic green	<b>CDP 82 GNM</b>
metallic black	<b>CDP 82 SWM</b>
metallic blue	<b>CDP 82 BLM</b>
metallic red	<b>CDP 82 RTM</b>
chrome	<b>CDP 82 GCR</b>
gold	<b>CDP 82 GGO</b>



## SL 500

Soft lines and an unusual material combination of acrylic glass and metal give this design range a distinctive character. This uniquely elegant appearance is underlined by the permanent level position of the rocker.





Switch-socket combination in silver-black



Rotary dimmer in gold-bronze



Room thermostat in white

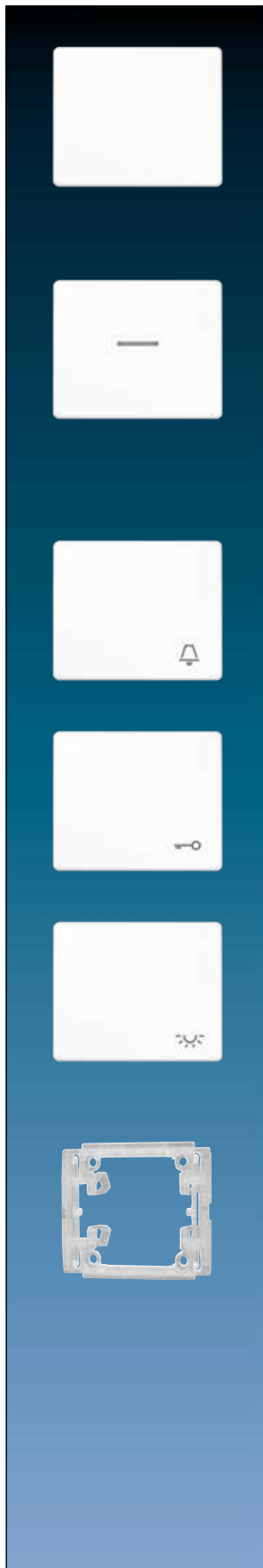
## Colours and materials

### Colours

white	
gold-bronze	
silver-black	

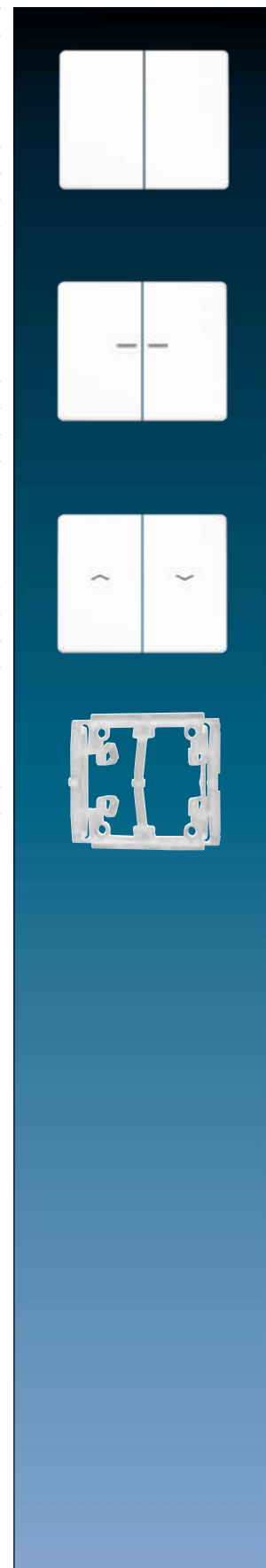
### Material

Lacquered aluminium covers, acrylic glass frames backed with lacquered or anodised aluminium.



	Ref.-no.
<b>1-gang rocker</b>	
for switch insert ref.-no.: 501 U, 502 U, 503 U, 506 U, 507 U, 501-20 U, 506-20 U, 507-20 U	
for push switch insert ref.-no.: 502 TU, 506 TU, 507 TU	
for push-button insert ref.-no.: 531 U, 532 U, 533 U, 533-2 U	
white	<b>SL 590 WW</b>
gold-bronze	<b>SL 590 GB</b>
black	<b>SL 590 SW</b>
<b>1-gang rocker with lens</b>	
for switch insert with indicator light	
ref.-no.: 502 KOU, 503 KOU, 506 KOU, 501-20 KOU, 502-20 KOU, 506-20 KOU	
for push switch insert with indicator light ref.-no.: 502 KOTU, 506 KOTU	
for push-button insert ref.-no.: 531 U, 533 U, 533-2 U, 534 U	
white	<b>SL 590 KO5 WW</b>
gold-bronze	<b>SL 590 KO5 GB</b>
black	<b>SL 590 KO5 SW</b>
<b>1-gang rocker with symbol "bell"</b>	
for push-button insert ref.-no.: 531 U, 532 U, 533 U, 533-2 U	
white	<b>SL 590 K WW</b>
gold-bronze	<b>SL 590 K GB</b>
black	<b>SL 590 K SW</b>
<b>1-gang rocker with symbol "door"</b>	
for push-button insert ref.-no.: 531 U, 532 U, 533 U, 533-2 U	
white	<b>SL 590 T WW</b>
gold-bronze	<b>SL 590 T GB</b>
black	<b>SL 590 T SW</b>
<b>1-gang rocker with symbol "light"</b>	
for switch insert ref.-no.: 501 U, 502 U, 503 U, 506 U, 507 U, 501-20 U, 506-20 U, 507-20 U	
for push switch insert ref.-no.: 502 TU, 506 TU, 507 TU	
for push-button insert ref.-no.: 531 U, 532 U, 533 U, 533-2 U	
white	<b>SL 590 L WW</b>
gold-bronze	<b>SL 590 L GB</b>
black	<b>SL 590 L SW</b>
<b>Holder plate</b>	
for frame fixing and 1-gang rocker bearing	
(Spare part)	
transparent	<b>SL 90 HP</b>

	Ref.-no.
<b>2-gang rocker</b>	
for switch insert ref.-no.: 505 U, 509 U	
for push switch insert ref.-no.: 505 TU, 509 TU	
for push-button insert ref.-no.: 535 U, 539 U	
white	<b>SL 595 WW</b>
gold-bronze	<b>SL 595 GB</b>
black	<b>SL 595 SW</b>
<b>2-gang rocker with lens</b>	
for switch insert ref.-no.: 505 U 5	
for switch insert with indicator light ref.-no.: 505 KOU 5	
for push-button insert ref.-no.: 535 U 5	
white	<b>SL 595 KO5 WW</b>
gold-bronze	<b>SL 595 KO5 GB</b>
black	<b>SL 595 KO5 SW</b>
<b>2-gang rocker with arrow symbols</b>	
for blind switch insert ref.-no.: 509 VU	
for blind push-button insert ref.-no.: 539 VU	
white	<b>SL 595 P WW</b>
gold-bronze	<b>SL 595 P GB</b>
black	<b>SL 595 P SW</b>
<b>Holder plate</b>	
for frame fixing and 2-gang rocker bearing (Spare part)	
transparent	<b>SL 95 HP</b>





Ref.-no.	
<b>Centre plate with knob</b>	
for rotary switch insert ref.-no.: 1101-4, 1101-20	
for timer switch insert ref.-no.: 11015, 11120-20	
for rotary blind switch insert ref.-no.: 1234.10, 1234.20	
white	<b>SL 1541 WW</b>
gold-bronze	<b>SL 1541 GB</b>
black	<b>SL 1541 SW</b>
also for volume control WHD type: LST..JU UP and LR..JU UP	
and for program selection WHD type: PRO 3 JU..	
<b>SCHUKO® socket 16 A / 250 V ~</b>	
Screwless terminals for wires up to 2.5 mm <sup>2</sup>	
insert 90° rotatable	
Without claws: ref.-no. with additional "N", e.g.: ..520 N..	
white	<b>SL 520 WW</b>
gold-bronze	<b>SL 520 GB</b>
black	<b>SL 520 SW</b>
<b>SCHUKO® socket 16 A / 250 V ~</b>	
<b>with enhanced contact protection (shutter)</b>	
Screwless terminals for wires up to 2.5 mm <sup>2</sup>	
insert 90° rotatable	
Without claws: ref.-no. with additional "N", e.g.: ..520 N..	
white	<b>SL 520 KI WW</b>
gold-bronze	<b>SL 520 KI GB</b>
black	<b>SL 520 KI SW</b>
<b>SCHUKO® socket 16 A / 250 V ~</b>	
Screw terminals for wires up to 2.5 mm <sup>2</sup>	
insert 90° rotatable	
white	<b>SL 521 WW</b>
gold-bronze	<b>SL 521 GB</b>
black	<b>SL 521 SW</b>



Ref.-no.

**SCHUKO® socket 16 A / 250 V ~****with enhanced contact protection (shutter)**Screw terminals for wires up to 2.5 mm<sup>2</sup>

insert 90° rotatable

white	SL 521 KI WW
gold-bronze	SL 521 KI GB
black	SL 521 KI SW

**Hinged lid**

for sockets and devices with 50 x 50 mm cover

white	SL 590 KL WW
gold-bronze	SL 590 KL GB
black	SL 590 KL SW

For suitable 50 x 50 mm inserts see pages 22 – 26

**Socket, 2-pole without earth 16 A / 250 V ~****with enhanced contact protection (shutter)**Screw terminals for wires up to 2.5 mm<sup>2</sup>

insert 90° rotatable

white	SL 511 KI WW
gold-bronze	SL 511 KI GB
black	SL 511 KI SW

**Socket, French/Belgian system**

2-pole + male earth pin, 16 A / 250 V ~

with enhanced contact protection (shutter)

Screw terminals for wires up to 2.5 mm<sup>2</sup> acc. to NFC 61-314

white	SL 521 FKI WW
gold-bronze	SL 521 FKI GB
black	SL 521 FKI SW

**Centre plate with knob**

for rotary dimmer inserts ref.-no.: 1730 DD, 1731 DD, 211 GDE

for satellite dimmer insert ref.-no.: 1733 DNE

for electronic potentiometer 1 – 10 V ref.-no.: 240-10

for DALI rotary controllers ref.-no.: 1740 DSTE, 1741 DSTE

black	SL 1540 SW
white	SL 1540 WW
gold-bronze	SL 1540 GB





Ref.-no.

**Room thermostat (1-way contact)**

1-pole NC contact 10 (4) A, AC 230 V ~, 50/60 Hz

white	TR SL 231 WW
gold-bronze	TR SL 231 GB
black	TR SL 231 SW

**Room thermostat (1-way contact)**

1-pole NC contact 10 (4) A, AC 24 V ~

white	TR SL 241 WW
gold-bronze	TR SL 241 GB
black	TR SL 241 SW

**Room thermostat (2-way contact)**

1-pole, 2-way, heating 10 (4) A, AC 230 V ~, 50/60 Hz

1-pole, 2-way, cooling 5 (2) A, AC 230 V ~, 50/60 Hz

For switching between heating/cooling the EBERLE terminal strip EV..H/K is necessary.

white	TR SL 236 WW
gold-bronze	TR SL 236 GB
black	TR SL 236 SW

**Room thermostat (2-way contact)**

1-pole, 2-way, heating 10 (4) A, AC 24 V ~

1-pole, 2-way, cooling 5 (2) A, AC 24 V ~

white	TR SL 246 WW
gold-bronze	TR SL 246 GB
black	TR SL 246 SW

**Floor thermostat**

1-pole NO contact 10 A, AC 230 V ~, 50/60 Hz

white	FTR SL 231 WW
gold-bronze	FTR SL 231 GB
black	FTR SL 231 SW

**External temperature sensor**

for room thermostat ref.-no. 1790 RTR, TR D .. 1790 ..

spare part for floor thermostat ref.-no. FTR .. 231 ..

The sensor cable can be connected using a bifilar cable of 1.5 mm<sup>2</sup> in diameter that is suitable for mains voltage. When installed in a cable duct or near high voltage current cables, a shielded cable must be used.

**FF 7.8**

Also suitable as external temperature sensor for the following KNX devices,  
ref.-no.: .. 2178 TS .., .. 2178 ORTS .., .. 5192 KRM TS D, .. 5194 KRM TS D, 2177 SV R, 23066 REGHE

**Technical data**

NTC sensor in plastic cap 7.8 mm Ø

Cable length: 4 m

Ambient temperature: -25 ... +70 °C

**Special knob, manipulation-proof**

white	MS TR 231 WW
bronze-beige	MS TR 231 BB
black	MS TR 231 SW

The set temperature can no longer be changed after the knob has been "locked".

Dismounting only possible with tool.

Ref.-no.

**Centre plate**

with supporting frame, screw fixing only

**for 2 loudspeaker sockets** up to 18.5 mm Ø or with flange mounting 22.5 mm hole spacing.In connection with mounting plate ref.-no. 63 WBT (not included) for loudspeaker terminal  
ref.-no. LPK 63 RT/SW and RCA socket ref.-no. CIB 63.**Second hole can be broken out.**

white	<b>SL 562 WW</b>
gold-bronze	<b>SL 562 GB</b>
black	<b>SL 562 SW</b>

**Centre plate**

for TV-FM sockets ref.-no.: EDU 04 F, GEDU 10, GEDU 15

white	<b>SL 561 TV WW</b>
gold-bronze	<b>SL 561 TV GB</b>
black	<b>SL 561 TV SW</b>

**Centre plate**

for SAT-TV-FM socket outlet inserts ref.-no.: EDA 302 F, GDA 313 F

for standard SAT-TV-FM sockets

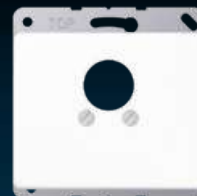
white	<b>SL 561 SAT WW</b>
gold-bronze	<b>SL 561 SAT GB</b>
black	<b>SL 561 SAT SW</b>

**Cable outlet**

with supporting frame, screw fixing only

opening for cables with max. 8 mm Ø

white	<b>SL 590 A WW</b>
gold-bronze	<b>SL 590 A GB</b>
black	<b>SL 590 A SW</b>





Ref.-no.

## Centre plate

for 1-gang modular jack sockets

IAE/UAE sockets ref.-no.: UAE 8 UPO

for sockets Cat. 6 ref.-no.: UAE 8 UPOK6

(1 x 8-pol.)

for WLAN access point ref.-no.: WLAN-AC-UAE, WLAN-AC-POE-UAE

white

**SL 569-1 UA WW**

gold-bronze

**SL 569-1 UA GB**

black

**SL 569-1 UA SW**

Suitable inserts:

Rutenbeck: UAE 8(4) UPO, UAE 8(8) UPO, UAE-Cat.5e-8 UPO OK, UAE-real.Cat.6-8 UPO OK

Telegärtner: AMJ 45, UMJ 45 and ISDN 1 x RJ 45 (TYP 8)

## Centre plate

for 2-gang modular jack sockets

IAE/UAE sockets ref.-no.: UAE 2 x 8 UPO, UAE 8-8 UPO

for sockets Cat. 6 ref.-no.: UAE 8-8 UPOK6

(2 x 8-pol.)

for media converter 2-gang ref.-no.: MK-POF-2UAE

white

**SL 569-2 UA WW**

gold-bronze

**SL 569-2 UA GB**

black

**SL 569-2 UA SW**

Suitable inserts:

METZ CONNECT (BTR): 1307441001-i or 1307441200-i; E-Dat design 8/8(8), Class E

Rutenbeck: UAE 8/8 (8/8) UPO, UAE 2x8 (8) UPO, UAE-Cat.5e-8/8 UPO OK, UAE-real.Cat.6-8/8 UPO OK

Telegärtner: AMJ 45, UMJ 45 and ISDN 2 x RJ 45 (TYP 8/8)

## Centre plate (screw fixing)

for 2-gang supporting frame ref.-no.: UMA-MA2 in connection with universal modular jack socket type A

ref.-no.: UMA-CAT6A

for USB charger ref.-no.: USB 15 CA WW, USB 15 CA SW

white

**SL 569 T WW**

gold-bronze

**SL 569 T GB**

black

**SL 569 T SW**

for **Rutenbeck**: UM-MA 2 Up with UM-real Cat.6a A

for **Dätwyler**: flush-mounted modular jack socket (for 2 x MS-K 1/8 Cat.6a), ref.-no.: 440 012

USB charger see page 72

## Blank centre plate (snap-on fixing)

with supporting frame, screw fixing only

white

**SL 561 B WW**

gold-bronze

**SL 561 B GB**

black

**SL 561 B SW**

The cover will be installed with snap-on fixing and enables individual cuttings or drilling holes.

Ref.-no.

**Frame in acrylic glass, with coloured metal foil  
for vertical installation****white**

1-gang	85 x 85 mm	<b>SL 581 WW</b>
2-gang	85 x 156 mm	<b>SL 582 WW</b>
3-gang	85 x 227 mm	<b>SL 583 WW</b>
4-gang	85 x 298 mm	<b>SL 584 WW</b>
5-gang	85 x 370 mm	<b>SL 585 WW</b>

**gold-bronze**

1-gang	85 x 85 mm	<b>SL 581 GB</b>
2-gang	85 x 156 mm	<b>SL 582 GB</b>
3-gang	85 x 227 mm	<b>SL 583 GB</b>
4-gang	85 x 298 mm	<b>SL 584 GB</b>
5-gang	85 x 370 mm	<b>SL 585 GB</b>

**silver**

1-gang	85 x 85 mm	<b>SL 581 SI</b>
2-gang	85 x 156 mm	<b>SL 582 SI</b>
3-gang	85 x 227 mm	<b>SL 583 SI</b>
4-gang	85 x 298 mm	<b>SL 584 SI</b>
5-gang	85 x 370 mm	<b>SL 585 SI</b>

**Frame in acrylic glass, with coloured metal foil  
for horizontal installation****white**

2-gang	156 x 85 mm	<b>SL 5820 WW</b>
3-gang	227 x 85 mm	<b>SL 5830 WW</b>
4-gang	298 x 85 mm	<b>SL 5840 WW</b>
5-gang	370 x 85 mm	<b>SL 5850 WW</b>

**gold-bronze**

2-gang	156 x 85 mm	<b>SL 5820 GB</b>
3-gang	227 x 85 mm	<b>SL 5830 GB</b>
4-gang	298 x 85 mm	<b>SL 5840 GB</b>
5-gang	370 x 85 mm	<b>SL 5850 GB</b>

**silver**

2-gang	156 x 85 mm	<b>SL 5820 SI</b>
3-gang	227 x 85 mm	<b>SL 5830 SI</b>
4-gang	298 x 85 mm	<b>SL 5840 SI</b>
5-gang	370 x 85 mm	<b>SL 5850 SI</b>

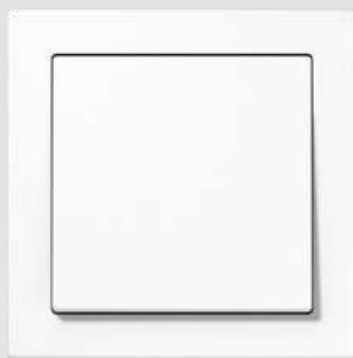




## LS range



LS 990 in matt snow white



LS DESIGN in white



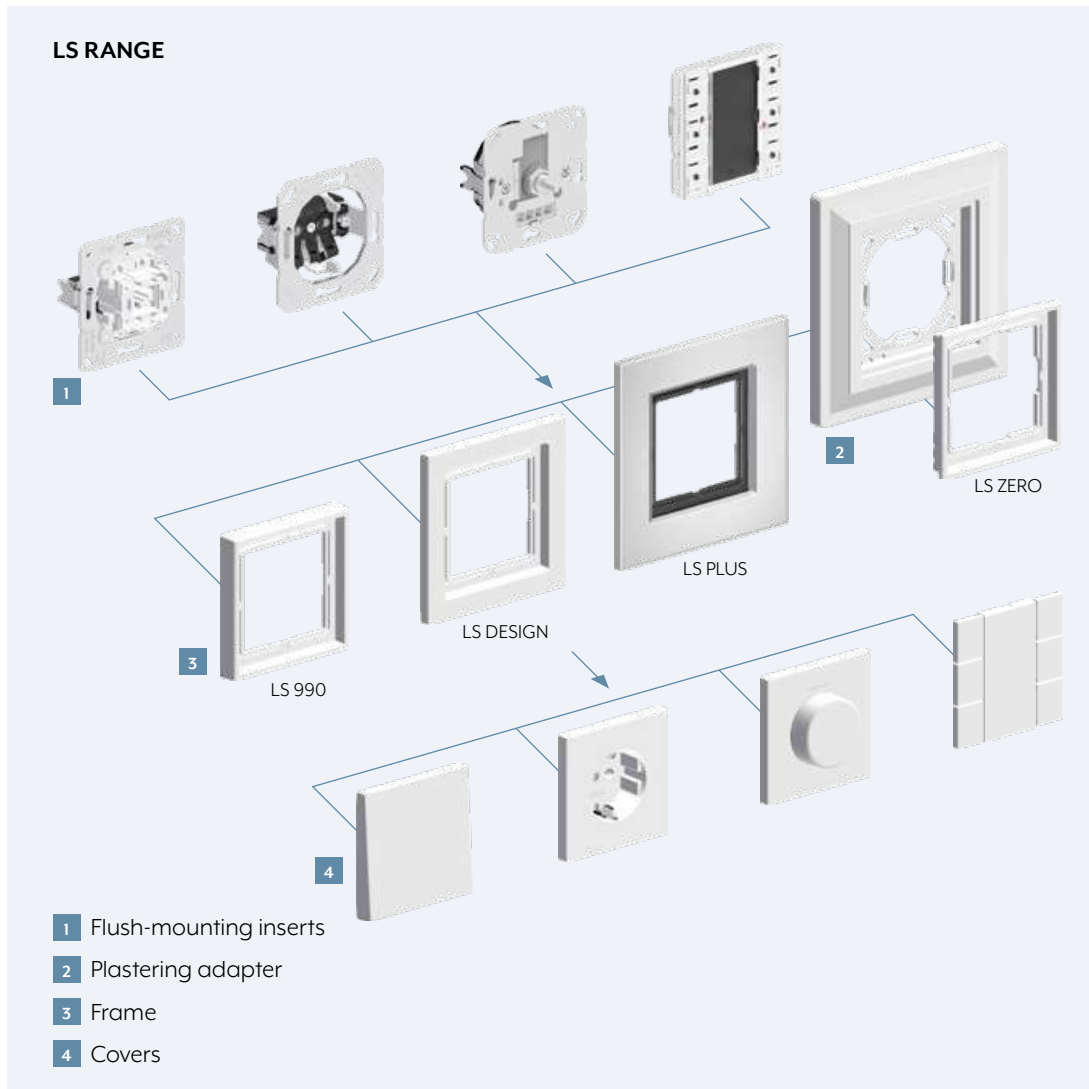
LS ZERO in white



LS PLUS in white with glass frame

The LS range clearly shows its commitment to the classic square without compromises. The design based on the Bauhaus design has a timeless effect. In its reduction to the essential, this range relies on the quality of genuine materials that further emphasise the clarity of the shape. Narrow or wide frames round off the straight lines in style.

# LS range – modular system







The wide product palette of the LS range meets all technical and design requirements in private and commercial construction. Lighting, blind and temperature control, door communication, multimedia control, eNet SMART HOME and KNX can all be implemented from a single source. The JUNG modular system combines the inserts with the respective appropriate cover and design frame to form a functional unit.



## Colours and materials



### Duroplastic (scratch-proof), glossy

ivory	similar to RAL 1013	
white	similar to RAL 9016	
light grey	similar to RAL 7035	
black	similar to RAL 9005	

### Thermoplastic (breakproof) lacquered

matt snow white	
matt graphite black	










### Selected items are also available in other colours

green	similar to RAL 6029	
orange	similar to RAL 2004	

### Glass

Tempered safety glass (TSG),  
colours: black, white, matt white

### Metal designs

aluminium AlMg1 natural, matt etched	
stainless steel 1.4303 X4 CrNi 18-12 blasted with glass beads	
anthracite (lacquered aluminium)	
dark (varnished aluminium)	
chrome (chrome-plated metal)	
gold-coloured (coloured metal, PVD coated)	
gold (gold-plated metal)	
classic brass CuZn37, bright, hand-brushed, 240 grain, clear varnish on both sides (corrosion protection)	
antique brass CuZn37, hand-brushed, traditionally coloured, brightened by hand, clear lacquer on both sides (corrosion protection)	

Covers	516
Sockets	527
LB Management	551
eNet	555
Temperature Management	560
SAT / TV	565
Data connectors	570
Telephone	572

### The following products are available in the design of the LS ranges

Multimedia connection systems	47
USB charger	60
Smart Radio DAB+	76
Hospital installations	94
Hotel installations	104
Plug & Light	138
Door communication	144
F 50	660
F 40	670
F 10	680

# LS range



Ref.-no.

<b>1-gang rocker</b>			
for switch insert ref.-no.: 501 U, 502 U, 503 U, 506 U, 507 U, 501-20 U, 506-20 U, 507-20 U			
for push switch insert ref.-no.: 502 TU, 506 TU, 507 TU			
for push-button insert ref.-no.: 531 U, 532 U, 533 U, 533-2 U			
for multi switch insert ref.-no.: 531-41 U (not metal versions)			
<b>Duroplastic (scratch-proof) glossy</b>			
ivory	IP	P	LS 990
white	IP	P	LS 990 WW
light grey	IP	P	LS 990 LG
black	IP		LS 990 SW
<b>matt lacquered</b>			
matt snow white	IP		LS 990 WWM
matt graphite black	IP		LS 990 SWM
<b>metal versions</b>			
aluminium	IP	P L	AL 2990
stainless steel	IP	L	ES 2990
anthracite (aluminium lacquered)	IP		AL 2990 AN
dark (aluminium lacquered)	IP		AL 2990 D
chrome			GCR 2990
gold-coloured			GO 2990
gold-plated			LS 990 GGO
classic brass		P	ME 2990 C
antique brass			ME 2990 AT
For illuminated inserts use rocker with lens ref.-no.: ..KO...			
<b>1-gang rocker with inscription field 9 x 58 mm</b>			
for switch insert ref.-no.: 501 U, 502 U, 503 U, 506 U, 507 U, 501-20 U, 506-20 U, 507-20 U			
for push switch insert ref.-no.: 502 TU, 506 TU, 507 TU			
for push-button insert ref.-no.: 531 U, 532 U, 533 U, 533-2 U			
for multi switch insert ref.-no.: 531-41 U			
<b>Duroplastic (scratch-proof) glossy</b>			
ivory	IP	P	LS 990 NA
white	IP	P	LS 990 NA WW
light grey	IP	P	LS 990 NA LG
black	IP		LS 990 NA SW
<b>matt lacquered</b>			
matt snow white	IP		LS 990 NA WWM
matt graphite black	IP		LS 990 NA SWM
For illuminated inserts use rocker with lens ref.-no.: ..KO...			
<b>Transparent cover with paper inlay</b>			
for inscription field 9 x 58 mm			
(Spare part)			
paper inlay white			CD 90 NA

Ref.-no.








## 1-gang rocker with inscription field 12 x 55 mm

for switch insert ref.-no.: 501 U, 502 U, 503 U, 506 U, 507 U, 501-20 U, 506-20 U, 507-20 U

for push switch insert ref.-no.: 502 TU, 506 TU, 507 TU

for push-button insert ref.-no.: 531 U, 532 U, 533 U, 533-2 U

### metal versions

aluminium	  	AL 2990 NA
stainless steel		ES 2990 NA
anthracite (aluminium lacquered)		AL 2990 NA AN
dark (aluminium lacquered)		AL 2990 NA D
classic brass		ME 2990 NA C
antique brass		ME 2990 NA AT

For illuminated inserts use rocker with lens ref.-no.: ..KO...

### Transparent cover

for inscription field 12 x 55 mm

(Spare part)

M 20 NA

## 1-gang rocker with lens






for switch insert with indicator light

ref.-no.: 502 KOU, 503 KOU, 506 KOU, 501-20 KOU, 502-20 KOU, 506-20 KOU


for push switch insert with indicator light ref.-no.: 502 KOTU, 506 KOTU

for push-button insert ref.-no.: 531 U, 533 U, 533-2 U, 534 U


### Duroplastic (scratch-proof) glossy

ivory	 	LS 990 KO5
white		LS 990 KO5 WW
light grey		LS 990 KO5 LG
black		LS 990 KO5 SW

### matt lacquered

matt snow white		LS 990 KO5 WWM
matt graphite black		LS 990 KO5 SWM

### metal versions

aluminium	  	AL 2990 KO5
stainless steel		ES 2990 KO5
anthracite (aluminium lacquered)		AL 2990 KO5 AN
dark (aluminium lacquered)		AL 2990 KO5 D
chrome		GCR 2990 KO5
gold-coloured		GO 2990 KO5
gold-plated		LS 990 KO5 GGO
classic brass		ME 2990 KO5 C
antique brass		ME 2990 KO5 AT

## 1-gang rocker with lens






for switch insert with indicator light

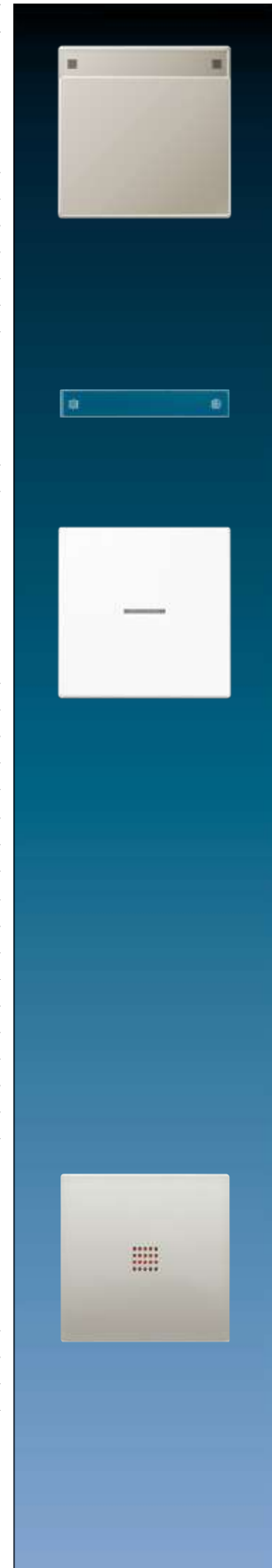
ref.-no.: 502 KOU, 503 KOU, 506 KOU, 501-20 KOU, 502-20 KOU, 506-20 KOU

for push switch insert with indicator light ref.-no.: 502 KOTU, 506 KOTU

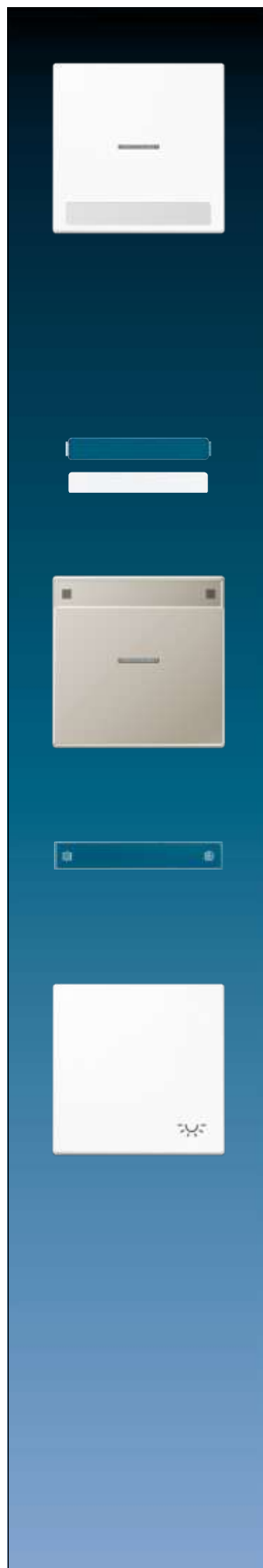
for push-button insert ref.-no.: 531 U, 533 U, 533-2 U, 534 U

### metal versions

aluminium	  	AL 2990 KO2
stainless steel		ES 2990 KO2
anthracite (aluminium lacquered)		AL 2990 KO2 AN



# LS range



Ref.-no.		
<b>1-gang rocker with lens and inscription field 9 x 58 mm</b>		
for switch insert with indicator light		
ref.-no.: 502 KOU, 503 KOU, 506 KOU, 501-20 KOU, 502-20 KOU, 506-20 KOU		
for push switch insert with indicator light ref.-no.: 502 KOTU, 506 KOTU		
for push-button insert ref.-no.: 531 U, 533 U, 533-2 U, 534 U		
<b>Duroplastic (scratch-proof) glossy</b>		
ivory	IP P	LS 990 NAKO5
white	IP P	LS 990 NAKO5 WW
light grey	IP P	LS 990 NAKO5 LG
black	IP	LS 990 NAKO5 SW
<b>matt lacquered</b>		
matt snow white	IP	LS 990 NAKO5 WWM
matt graphite black	IP	LS 990 NAKO5 SWM
<b>Transparent cover with paper inlay</b>		
for inscription field 9 x 58 mm		
(Spare part)		
paper inlay white		CD 90 NA
<b>1-gang rocker with lens and inscription field 12 x 55 mm</b>		
for switch insert with indicator light		
ref.-no.: 502 KOU, 503 KOU, 506 KOU, 501-20 KOU, 502-20 KOU, 506-20 KOU		
for push switch insert with indicator light ref.-no.: 502 KOTU, 506 KOTU		
for push-button insert ref.-no.: 531 U, 533 U, 533-2 U, 534 U		
<b>metal versions</b>		
aluminium	IP P L	AL 2990 NAKO5
stainless steel	IP L	ES 2990 NAKO5
anthracite (aluminium lacquered)	IP	AL 2990 NAKO5 AN
<b>Transparent cover</b>		
for inscription field 12 x 55 mm		
(Spare part)		
		M 20 NA
<b>1-gang rocker with symbol "light"</b>		
for switch insert ref.-no.: 501 U, 502 U, 503 U, 506 U, 507 U, 501-20 U, 506-20 U, 507-20 U		
for push switch insert ref.-no.: 502 TU, 506 TU, 507 TU		
for push-button insert ref.-no.: 531 U, 532 U, 533 U, 533-2 U		
<b>Duroplastic (scratch-proof) glossy</b>		
ivory	IP	LS 990 L
white	IP	LS 990 L WW
light grey	IP	LS 990 L LG
black	IP	LS 990 L SW
<b>matt lacquered</b>		
matt snow white	IP	LS 990 L WWM
matt graphite black	IP	LS 990 L SWM
<b>metal versions</b>		
aluminium	IP	AL 2990 L
stainless steel	IP	ES 2990 L
anthracite (aluminium lacquered)	IP	AL 2990 L AN
dark (aluminium lacquered)	IP	AL 2990 L D
chrome		GCR 2990 L
classic brass		ME 2990 L C
antique brass		ME 2990 L AT

Ref.-no.

## 1-gang rocker with symbol "light", with lens




for switch insert with indicator light

ref.-no.: 502 KOU, 503 KOU, 506 KOU, 501-20 KOU, 502-20 KOU, 506-20 KOU



for push switch insert with indicator light ref.-no.: 502 KOTU, 506 KOTU

for push-button insert ref.-no.: 531 U, 533 U, 533-2 U, 534 U



### Duroplastic (scratch-proof) glossy

ivory		LS 990 KO5 L
white		LS 990 KO5 L WW
black		LS 990 KO5 L SW

### matt lacquered

matt snow white		LS 990 KO5 L WWM
matt graphite black		LS 990 KO5 L SWM





### metal versions

aluminium		AL 2990 KO5 L
stainless steel		ES 2990 KO5 L
anthracite (aluminium lacquered)		AL 2990 KO5 L AN
dark (aluminium lacquered)		AL 2990 KO5 L D
chrome		GCR 2990 KO5 L
classic brass		ME 2990 KO5 L C
antique brass		ME 2990 KO5 L AT


## 1-gang rocker with symbol "bell"

for push-button insert ref.-no.: 531 U, 532 U, 533 U, 533-2 U





### Duroplastic (scratch-proof) glossy

ivory		LS 990 K
white		LS 990 K WW
light grey		LS 990 K LG
black		LS 990 K SW

### matt lacquered

matt snow white		LS 990 K WWM
matt graphite black		LS 990 K SWM




### metal versions

aluminium		AL 2990 K
stainless steel		ES 2990 K
anthracite (aluminium lacquered)		AL 2990 K AN
dark (aluminium lacquered)		AL 2990 K D
chrome		GCR 2990 K
classic brass		ME 2990 K C
antique brass		ME 2990 K AT



## 1-gang rocker with symbol "bell", with lens

for push-button insert ref.-no.: 531 U, 533 U, 533-2 U, 534 U




### Duroplastic (scratch-proof) glossy

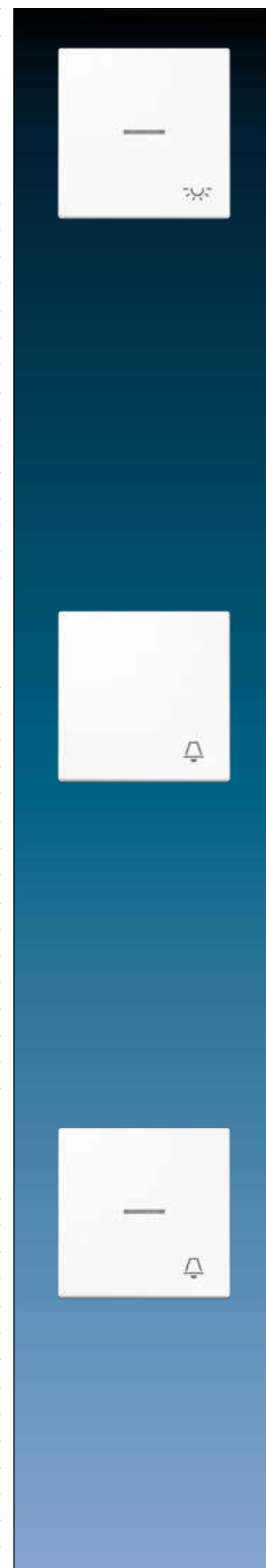
ivory		LS 990 KO5 K
white		LS 990 KO5 K WW
black		LS 990 KO5 K SW

### matt lacquered

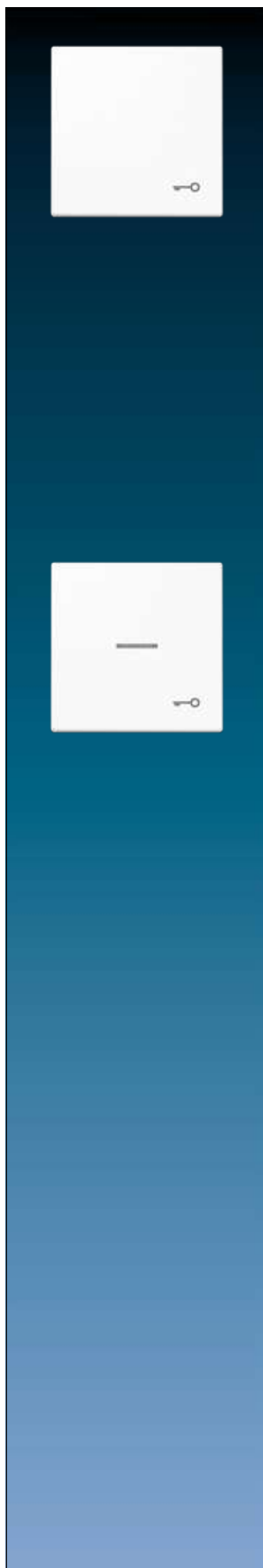
matt snow white		LS 990 KO5 K WWM
matt graphite black		LS 990 KO5 K SWM

### metal versions

aluminium		AL 2990 KO5 K
stainless steel		ES 2990 KO5 K
anthracite (aluminium lacquered)		AL 2990 KO5 K AN
dark (aluminium lacquered)		AL 2990 KO5 K D
chrome		GCR 2990 KO5 K
classic brass		ME 2990 KO5 K C
antique brass		ME 2990 KO5 K AT



# LS range



Ref.-no.

## 1-gang rocker with symbol "door"

for push-button insert ref.-no.: 531 U, 532 U, 533 U, 533-2 U

### Duroplastic (scratch-proof) glossy

ivory	IP	LS 990 T
white	IP	LS 990 T WW
light grey	IP	LS 990 T LG
black	IP	LS 990 T SW

### matt lacquered

matt snow white	IP	LS 990 T WWM
matt graphite black	IP	LS 990 T SWM

### metal versions

aluminium	IP	AL 2990 T
stainless steel	IP	ES 2990 T
anthracite (aluminium lacquered)	IP	AL 2990 T AN
dark (aluminium lacquered)	IP	AL 2990 T D
chrome		GCR 2990 T
classic brass		ME 2990 T C
antique brass		ME 2990 T AT

## 1-gang rocker with symbol "door", with lens

for push-button insert ref.-no.: 531 U, 533 U, 533-2 U, 534 U

### Duroplastic (scratch-proof) glossy













ivory	IP	LS 990 KO5 T
white	IP	LS 990 KO5 T WW
black	IP	LS 990 KO5 T SW

### matt lacquered

matt snow white	IP	LS 990 KO5 T WWM
matt graphite black	IP	LS 990 KO5 T SWM

### metal versions

aluminium	IP	AL 2990 KO5 T
stainless steel	IP	ES 2990 KO5 T
anthracite (aluminium lacquered)	IP	AL 2990 KO5 T AN
dark (aluminium lacquered)	IP	AL 2990 KO5 T D
chrome		GCR 2990 KO5 T
classic brass		ME 2990 KO5 T C
antique brass		ME 2990 KO5 T AT

Ref.-no.		
<b>1-gang rocker with embossed symbol "light"</b>		
for switch insert ref.-no.: 501 U, 502 U, 503 U, 506 U, 507 U, 501-20 U, 506-20 U, 507-20 U		
for push switch insert ref.-no.: 502 TU, 506 TU, 507 TU		
for push-button insert ref.-no.: 531 U, 532 U, 533 U, 533-2 U		
<b>metal versions</b>		
aluminium		<b>AL 2990 LP</b>
stainless steel		<b>ES 2990 LP</b>
<b>1-gang rocker with embossed symbol "light", with lens</b>		
for switch insert with indicator light		
ref.-no.: 502 KOU, 503 KOU, 506 KOU, 501-20 KOU, 502-20 KOU, 506-20 KOU		
for push switch insert with indicator light ref.-no.: 502 KOTU, 506 KOTU		
for push-button insert ref.-no.: 531 U, 533 U, 533-2 U, 534 U		
<b>metal versions</b>		
aluminium		<b>AL 2990 KO5 LP</b>
stainless steel		<b>ES 2990 KO5 LP</b>
<b>1-gang rocker with embossed symbol "bell"</b>		
for push-button insert ref.-no.: 531 U, 532 U, 533 U, 533-2 U		
<b>metal versions</b>		
aluminium		<b>AL 2990 KP</b>
stainless steel		<b>ES 2990 KP</b>
<b>1-gang rocker with embossed symbol "bell", with lens</b>		
for push-button insert ref.-no.: 531 U, 533 U, 533-2 U, 534 U		
<b>metal versions</b>		
aluminium		<b>AL 2990 KO5 KP</b>
stainless steel		<b>ES 2990 KO5 KP</b>
<b>1-gang rocker with embossed symbol "door"</b>		
for push-button insert ref.-no.: 531 U, 532 U, 533 U, 533-2 U		
<b>metal versions</b>		
aluminium		<b>AL 2990 TP</b>
stainless steel		<b>ES 2990 TP</b>
<b>1-gang rocker with embossed symbol "door", with lens</b>		
for push-button insert ref.-no.: 531 U, 533 U, 533-2 U, 534 U		
<b>metal versions</b>		
aluminium		<b>AL 2990 KO5 TP</b>
stainless steel		<b>ES 2990 KO5 TP</b>
<b>Holder plate</b>		
for frame fixing and 1-gang rocker bearing		
(Spare part)		
black		<b>CD 90 HP</b>



# LS range



Ref.-no.		
<b>1-gang rocker, transparent</b>		
for switch insert ref.-no.: 501 U, 502 U, 503 U, 506 U, 507 U, 501-20 U, 506-20 U, 507-20 U		
for push switch insert ref.-no.: 502 TU, 506 TU, 507 TU		
for push-button insert ref.-no.: 531 U, 532 U, 533 U, 533-2 U		
for individual text or decorative inlets (e.g. wall paper)		
<b>Thermoplastic (breakproof) high-gloss</b>		
inscription field 66 x 66 mm		<b>LS 990 NAGL</b>
<b>Plastic cover with paper inlay</b>		
for inscription field 66 x 66 mm		
(Spare part)		
<b>Thermoplastic (breakproof) high-gloss</b>		
paper inlay white		<b>LS 990 NA GL PL</b>
<b>1-gang rocker with glass plate</b>		
with rocker and red lens		
for all 1-gang switch/push-button inserts (except push switch insert)		
<b>Thermoplastic (breakproof) high-gloss</b>		
red	similar RAL 3000	<b>561 GL RT</b>
blue	similar RAL 5015	<b>561 GL BL</b>
yellow	similar RAL 1004	<b>561 GL GE</b>
<b>Glass plate</b>		
64 x 53 x 1 mm (W x H x D)		<b>60 GL</b>










Ref.-no.

## 2-gang rocker

for switch insert ref.-no.: 505 U, 509 U  
for push switch insert ref.-no.: 505 TU, 509 TU  
for push-button insert ref.-no.: 535 U, 539 U  
for multi switch insert ref.-no.: 532-4 U (not metal versions)





### Duroplastic (scratch-proof) glossy

ivory	 	LS 995
white	 	LS 995 WW
light grey	 	LS 995 LG
black		LS 995 SW

### matt lacquered

matt snow white		LS 995 WWM
matt graphite black		LS 995 SWM

### metal versions








aluminium	  	AL 2995
stainless steel	 	ES 2995
anthracite (aluminium lacquered)		AL 2995 AN
dark (aluminium lacquered)		AL 2995 D
chrome		GCR 2995
gold-coloured		GO 2995
gold-plated		LS 995 GGO
classic brass		ME 2995 C
antique brass		ME 2995 AT

For illuminated inserts use rocker with lens ref.-no.: ..KO...



## 2-gang rocker with lens

for switch insert ref.-no.: 505 U 5  
for switch insert with indicator light ref.-no.: 505 KOU 5  
for push-button insert ref.-no.: 535 U 5

### Duroplastic (scratch-proof) glossy

ivory	 	LS 995 KO5
white	 	LS 995 KO5 WW
light grey	 	LS 995 KO5 LG
black		LS 995 KO5 SW

### matt lacquered

matt snow white		LS 995 KO5 WWM
matt graphite black		LS 995 KO5 SWM





### metal versions

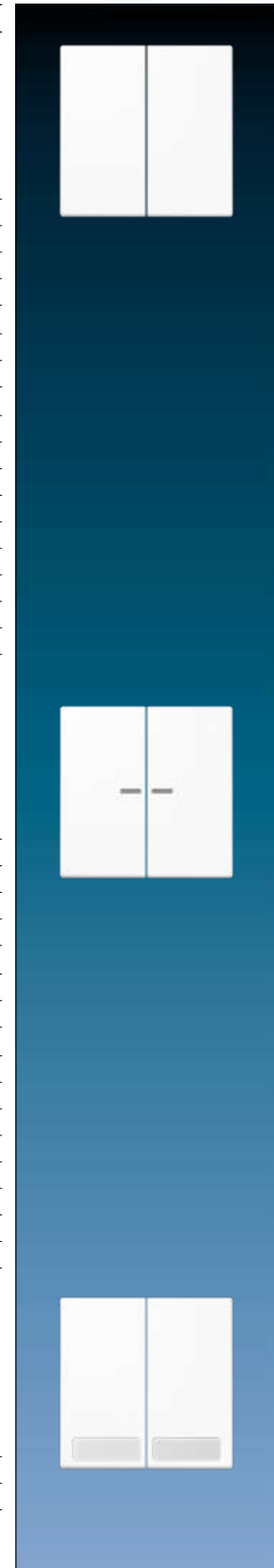
aluminium	  	AL 2995 KO5
stainless steel	 	ES 2995 KO5
anthracite (aluminium lacquered)		AL 2995 KO5 AN
dark (aluminium lacquered)		AL 2995 KO5 D
chrome		GCR 2995 KO5
gold-coloured		GO 2995 KO5
classic brass		ME 2995 KO5 C
antique brass		ME 2995 KO5 AT

## 2-gang rocker with inscription field 9 x 27 mm

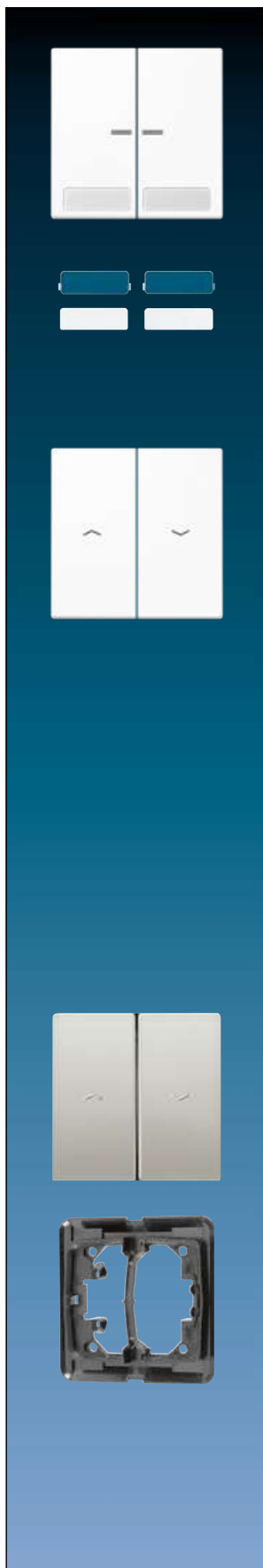
for switch insert ref.-no.: 505 U, 509 U  
for push switch insert ref.-no.: 505 TU, 509 TU  
for push-button insert ref.-no.: 535 U, 539 U  
for multi switch insert ref.-no.: 532-4 U

### Duroplastic (scratch-proof) glossy

ivory	 	LS 995 NA
white	 	LS 995 NA WW



# LS range







Ref.-no.		
<b>2-gang rocker with lens and inscription fields 9 x 27 mm</b>		
for switch insert ref.-no.: 505 U 5		
for switch insert with indicator light ref.-no.: 505 KOU 5		
for push-button insert ref.-no.: 535 U 5		
<b>Duroplastic (scratch-proof) glossy</b>		
ivory	IP P	LS 995 NA KO5
white	IP P	LS 995 NA KO5 WW
<b>Transparent cover with paper inlay</b>		
for inscription field 9 x 27 mm		
(Spare part)		
A set of two covers		
paper inlay white		CD 95 NA
<b>2-gang rocker with arrow symbols</b>		
for blind switch insert ref.-no.: 509 VU		
for blind push-button insert ref.-no.: 539 VU		
<b>Duroplastic (scratch-proof) glossy</b>		
ivory	IP	LS 995 P
white	IP	LS 995 P WW
light grey	IP	LS 995 P LG
black	IP	LS 995 P SW
<b>matt lacquered</b>		
matt snow white	IP	LS 995 P WWM
matt graphite black	IP	LS 995 P SWM
<b>metal versions</b>		
aluminium	IP	AL 2995 P
stainless steel	IP	ES 2995 P
anthracite (aluminium lacquered)	IP	AL 2995 P AN
dark (aluminium lacquered)	IP	AL 2995 P D
chrome		GCR 2995 P
gold-coloured		GO 2995 P
classic brass		ME 2995 P C
antique brass		ME 2995 P AT
<b>2-gang rocker with embossed arrow symbols</b>		
for blind switch insert ref.-no.: 509 VU		
for blind push-button insert ref.-no.: 539 VU		
<b>metal versions</b>		
aluminium	IP	AL 2995 PP
stainless steel	IP	ES 2995 PP
<b>Holder plate</b>		
for frame fixing and 2-gang rocker bearing		
(Spare part)		
black		CD 95 HP

Ref.-no.

### 3-gang rocker

for 3-gang switch insert ref.-no.: 5301 EU, 5306 EU





#### Thermoplastic (breakproof) high-gloss

ivory	 <b>LS 993 BF</b>
white	 <b>LS 993 BF WW</b>
light grey	 <b>LS 993 BF LG</b>
black	 <b>LS 993 BF SW</b>

#### matt lacquered

matt snow white	<b>LS 993 BF WWM</b>
matt graphite black	<b>LS 993 BF SWM</b>

#### metal versions

aluminium	  <b>AL 993</b>
stainless steel	 <b>ES 993</b>
anthracite (aluminium lacquered)	<b>AL 993 AN</b>
dark (aluminium lacquered)	<b>AL 993 D</b>
chrome	<b>GCR 993</b>
gold-coloured	<b>GO 993</b>
classic brass	 <b>ME 993 C</b>
antique brass	<b>ME 993 AT</b>

### Holder plate

for frame fixing and 3-gang rocker bearing  
(Spare part)









black	<b>LS 93 HP</b>
-------	-----------------

### Centre plate



for key switch inserts ref.-no.: 104.28, 134.18, 134.28, 133.18, 138.18, 106.28

for key switch inserts IP 44 ref.-no.: CD 104.18 WU, CD 134.18 WU, CD 133.18 WU, CD 106.18 WU


#### Thermoplastic (breakproof) high-gloss

ivory	  <b>LS 928</b>
white	  <b>LS 928 WW</b>
light grey	  <b>LS 928 LG</b>
black	  <b>LS 928 SW</b>

#### matt lacquered

matt snow white	 <b>LS 928 WWM</b>
matt graphite black	 <b>LS 928 SWM</b>

#### metal versions

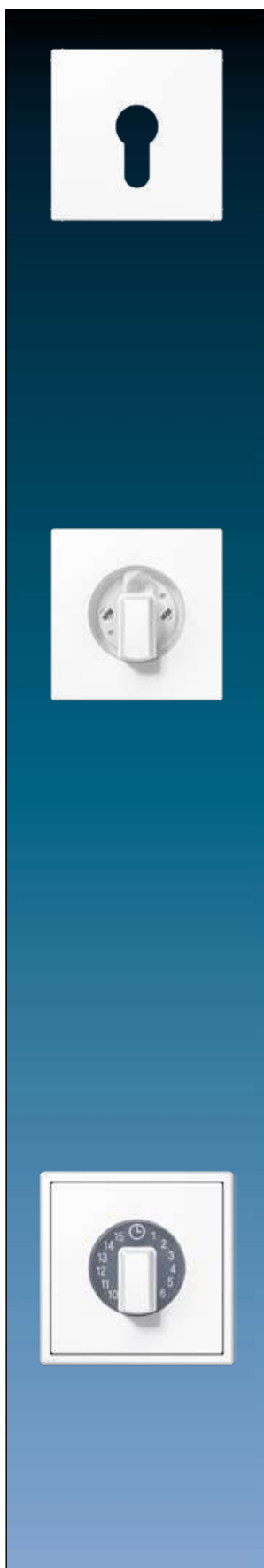
aluminium	   <b>AL 2928</b>
stainless steel	  <b>ES 2928</b>
anthracite (aluminium lacquered)	 <b>AL 2928 AN</b>
dark (aluminium lacquered)	 <b>AL 2928 D</b>
chrome	<b>GCR 2928</b>
gold-coloured	<b>GO 2928</b>
classic brass	 <b>ME 2928 C</b>
antique brass	<b>ME 2928 AT</b>

One escutcheon plate with symbols and one without symbols included in delivery.

Height of escutcheon plate: 11 mm (thermoplastic) or 17.5 mm (metal versions)



# LS range







Ref.-no.

## Centre plate

for key switch inserts ref.-no.: 104.15, 134.15, 133.15, 106.15


### Thermoplastic (breakproof) high-gloss

ivory	 <b>LS 925</b>
white	 <b>LS 925 WW</b>
light grey	 <b>LS 925 LG</b>
black	 <b>LS 925 SW</b>

### matt lacquered

matt snow white	<b>LS 925 WWM</b>
matt graphite black	<b>LS 925 SWM</b>

### metal versions

aluminium	  <b>AL 2925</b>
stainless steel	 <b>ES 2925</b>
anthracite (aluminium lacquered)	<b>AL 2925 AN</b>
dark (aluminium lacquered)	<b>AL 2925 D</b>
classic brass	 <b>ME 2925 C</b>
antique brass	<b>ME 2925 AT</b>








## Centre plate with knob

for rotary switch insert ref.-no.: 1101-4, 1101-20


for timer switch insert ref.-no.: 11015, 11120-20

for rotary blind switch insert ref.-no.: 1234.10, 1234.20




### Duroplastic (scratch-proof) glossy

ivory	  <b>LS 1941</b>
white	  <b>LS 1941 WW</b>
light grey	  <b>LS 1941 LG</b>
black	 <b>LS 1941 SW</b>

### matt lacquered

matt snow white	 <b>LS 1941 WWM</b>
matt graphite black	 <b>LS 1941 SWM</b>

### metal versions

aluminium	   <b>AL 1941</b>
stainless steel	  <b>ES 1941</b>
anthracite (aluminium lacquered)	 <b>AL 1941 AN</b>
dark (aluminium lacquered)	 <b>AL 1941 D</b>
chrome	<b>GCR 1941</b>
gold-coloured	<b>GO 1941</b>
classic brass	 <b>ME 1941 C</b>
antique brass	<b>ME 1941 AT</b>

also for volume control WHD type: LST..JU UP and LR..JU UP

and for program selection WHD type: PRO 3 JU..

## Timer switch 16 AX / 250 V ~









screw terminals for wires up to 4 mm<sup>2</sup>

screw fixing only, without claws

incl. 1-gang frame and scale disc

accuracy ± 10 %

### Duroplastic (scratch-proof) glossy

white	2-pole, 1-way	max. 30 minutes	 <b>LS 11030 WW</b>
	1-pole, 2-way	max. 30 minutes	 <b>LS 11030-20 WW</b>
	2-pole, 1-way	max. 60 minutes	 <b>LS 11060 WW</b>
	2-pole, 1-way	max. 120 minutes	 <b>LS 11120 WW</b>
	1-pole, 2-way	max. 120 minutes	 <b>LS 11120-20 WW</b>
	2-pole, 1-way	max. 240 minutes	 <b>LS 11240 WW</b>
	2-pole, 1-way	max. 360 minutes	 <b>LS 11360 WW</b>
	2-pole, 1-way	max. 720 minutes	 <b>LS 11720 WW</b>

Ref.-no.

## SCHUKO® socket 16 A / 250 V ~

screwless terminals for wires up to 2.5 mm<sup>2</sup>

without claws: ref.-no. with additional "N", e.g.: ..1520 N..

With screw terminals: ref.-no. ..1521..

Supporting frame, claws and claw screws are integrated into the earth protection.

### Duroplastic (scratch-proof) glossy

ivory	P	LS 1520
white	P	LS 1520 WW
light grey	P	LS 1520 LG
black		LS 1520 SW

### Thermoplastic (breakproof) high-gloss

white		LS 1520 BF WW
green		LS 1520 BF GN
orange		LS 1520 BF O
red		LS 1520 BF RT

### matt lacquered

matt snow white		LS 1520 WWM
matt graphite black		LS 1520 SWM

### metal versions

aluminium	P L	AL 1520
stainless steel	L	ES 1520
anthracite (aluminium lacquered)		AL 1520 AN
dark (aluminium lacquered)		AL 1520 D
gold-coloured		GO 1520
classic brass	P	ME 1520 C
antique brass		ME 1520 AT

## SCHUKO® socket 16 A / 250 V ~

### with enhanced contact protection (shutter)

screwless terminals for wires up to 2.5 mm<sup>2</sup>

without claws: ref.-no. with additional "N", e.g.: ..1520 N..

With screw terminals: ref.-no. ..1521..

Supporting frame, claws and claw screws are integrated into the earth protection.

### Duroplastic (scratch-proof) glossy

ivory	P	LS 1520 KI
white	P	LS 1520 KI WW
light grey	P	LS 1520 KI LG
black		LS 1520 KI SW

### Thermoplastic (breakproof) high-gloss

white		LS 1520 BFKI WW
green		LS 1520 BFKI GN
orange		LS 1520 BFKI O
red		LS 1520 BFKI RT

### matt lacquered

matt snow white		LS 1520 KI WWM
matt graphite black		LS 1520 KI SWM

### metal versions

aluminium	P L	AL 1520 KI
stainless steel	L	ES 1520 KI
anthracite (aluminium lacquered)		AL 1520 KI AN
dark (aluminium lacquered)		AL 1520 KI D
chrome		GCR 1520 KI
gold-coloured		GO 1520 KI
gold-plated		LS 1520 KI GGO
classic brass	P	ME 1520 KI C
antique brass		ME 1520 KI AT



# LS range



Ref.-no.

## SCHUKO® socket 16 A / 250 V ~

screw terminals for wires up to 2.5 mm<sup>2</sup>

without claws: ref.-no. with additional "N", e.g.: ..1521 N..

Supporting frame, claws and claw screws are integrated into the earth protection.

### Duroplastic (scratch-proof) glossy

ivory	P	LS 1521
white	P	LS 1521 WW
light grey	P	LS 1521 LG
black		LS 1521 SW

### Thermoplastic (breakproof) high-gloss

orange	LS 1521 BF O
red	LS 1521 BF RT

### matt lacquered

matt snow white	LS 1521 WWM
matt graphite black	LS 1521 SWM

### metal versions

aluminium	P L	AL 1521
stainless steel	L	ES 1521
anthracite (aluminium lacquered)		AL 1521 AN
dark (aluminium lacquered)		AL 1521 D
gold-coloured		GO 1521
classic brass	P	ME 1521 C
antique brass		ME 1521 AT

## SCHUKO® socket 16 A / 250 V ~

### with enhanced contact protection (shutter)

screw terminals for wires up to 2.5 mm<sup>2</sup>

without claws: ref.-no. with additional "N", e.g.: ..1521 N..

Supporting frame, claws and claw screws are integrated into the earth protection.

### Duroplastic (scratch-proof) glossy

ivory	P	LS 1521 KI
white	P	LS 1521 KI WW
light grey	P	LS 1521 KI LG
black		LS 1521 KI SW

### Thermoplastic (breakproof) high-gloss

orange	LS 1521 BFKI O
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### matt lacquered

matt snow white	LS 1521 KI WWM
matt graphite black	LS 1521 KI SWM

### metal versions

aluminium	P L	AL 1521 KI
stainless steel	L	ES 1521 KI
anthracite (aluminium lacquered)		AL 1521 KI AN
dark (aluminium lacquered)		AL 1521 KI D
chrome		GCR 1521 KI
gold-coloured		GO 1521 KI
gold-plated		LS 1521 KI GGO
classic brass	P	ME 1521 KI C
antique brass		ME 1521 KI AT

Ref.-no.

## SCHUKO® socket 16 A / 250 V ~

### with inscription field 9 x 58 mm

screwless terminals for wires up to 2.5 mm<sup>2</sup>

without claws: ref.-no. with additional "N", e.g.: ..1520 N..

With screw terminals: ref.-no. ..1521..

Supporting frame, claws and claw screws are integrated into the earth protection.

### Duroplastic (scratch-proof) glossy

ivory	P	LS 1520 NA
white	P	LS 1520 NA WW
light grey	P	LS 1520 NA LG
black		LS 1520 NA SW

### Thermoplastic (breakproof) high-gloss

white	LS 1520 BFNA WW
green	LS 1520 BFNA GN
orange	LS 1520 BFNA O
red	LS 1520 BFNA RT

### matt lacquered

matt snow white	LS 1520 NA WWM
matt graphite black	LS 1520 NA SWM

## SCHUKO® socket 16 A / 250 V ~

### with enhanced contact protection (shutter)

### with inscription field 9 x 58 mm

screwless terminals for wires up to 2.5 mm<sup>2</sup>

without claws: ref.-no. with additional "N", e.g.: ..1520 N..

With screw terminals: ref.-no. ..1521..

Supporting frame, claws and claw screws are integrated into the earth protection.

### Duroplastic (scratch-proof) glossy

ivory	P	LS 1520 KINA
white	P	LS 1520 KINA WW
light grey	P	LS 1520 KINA LG
black		LS 1520 KINA SW

### Thermoplastic (breakproof) high-gloss

white	LS 1520 BFKINA WW
green	LS 1520 BFKINA GN
orange	LS 1520 BFKINA O
red	LS 1520 BFKINA RT

### matt lacquered

matt snow white	LS 1520 KINA WWM
matt graphite black	LS 1520 KINA SWM

## SCHUKO® socket 16 A / 250 V ~

### with inscription field 9 x 58 mm

screw terminals for wires up to 2.5 mm<sup>2</sup>

Supporting frame, claws and claw screws are integrated into the earth protection.

ivory	P	LS 1521 NA
white	P	LS 1521 NA WW
light grey	P	LS 1521 NA LG
black		LS 1521 NA SW



530



Ref.-no.

## SCHUKO® socket 45°, 16 A / 250 V ~

screwless terminals for wires up to 2.5 mm<sup>2</sup>  
especially suitable for vertical combination of several outlets  
without claws: ref.-no. with additional "N", e.g.: ..520-45 N..

### Duroplastic (scratch-proof) glossy

ivory	P	LS 520-45
white	P	LS 520-45 WW
light grey	P	LS 520-45 LG
black		LS 520-45 SW

### metal versions

aluminium	P L	AL 2520-45
stainless steel	L	ES 2520-45
anthracite (aluminium lacquered)		AL 2520-45 AN

## SCHUKO® socket with USB charger

### with enhanced contact protection (shutter)

with 1 USB port type A  
with quick charge function  
screwless terminals for wires up to 2.5 mm<sup>2</sup>  
Installation in flush box according to EN 60670-1  
Installation depth: 48 mm



### Thermoplastic (breakproof) high-gloss

ivory	LS 1520-18 A
white	LS 1520-18 A WW
light grey	LS 1520-18 A LG
black	LS 1520-18 A SW

### matt lacquered

matt snow white	LS 1520-18 A WWM
matt graphite black	LS 1520-18 A SWM

### metal colours (thermoplastic lacquered)

aluminium (lacquered)	AL 1520-18 A-L
stainless steel (lacquered)	ES 1520-18 A-L
anthracite (lacquered)	AL 1520-18 A AN-L
dark (lacquered)	AL 1520-18 A D-L
classic brass (lacquered)	ME 1520-18 A C-L
antique brass (lacquered)	ME 1520-18 A AT-L





## SCHUKO® socket with USB charger with enhanced contact protection (shutter)

with 1 USB port type C  
with quick charge function  
screwless terminals for wires up to 2.5 mm<sup>2</sup>  
Installation in flush box according to EN 60670-1  
Installation depth: 48 mm



### Thermoplastic (breakproof) high-gloss

ivory	LS 1520-18 C
white	LS 1520-18 C WW
light grey	LS 1520-18 C LG
black	LS 1520-18 C SW

### matt lacquered

matt snow white	LS 1520-18 C WWM
matt graphite black	LS 1520-18 C SWM

### metal colours (thermoplastic lacquered)

aluminium (lacquered)	AL 1520-18 C-L
stainless steel (lacquered)	ES 1520-18 C-L
anthracite (lacquered)	AL 1520-18 C AN-L
dark (lacquered)	AL 1520-18 C D-L
classic brass (lacquered)	ME 1520-18 C C-L
antique brass (lacquered)	ME 1520-18 C AT-L



## SCHUKO® socket with USB charger with enhanced contact protection (shutter)

with 1 USB port type A and 1 USB port type C  
screwless terminals for wires up to 2.5 mm<sup>2</sup>  
Installation in flush box according to EN 60670-1  
Installation depth: 48 mm

### Thermoplastic (breakproof) high-gloss

ivory	LS 1520-15 CA
white	LS 1520-15 CA WW
light grey	LS 1520-15 CA LG
black	LS 1520-15 CA SW

### matt lacquered

matt snow white	LS 1520-15 CA WWM
matt graphite black	LS 1520-15 CA SWM

### metal colours (thermoplastic lacquered)

aluminium (lacquered)	AL 1520-15 CA-L
stainless steel (lacquered)	ES 1520-15 CA-L
anthracite (lacquered)	AL 1520-15 CA AN-L
dark (lacquered)	AL 1520-15 CA D-L
classic brass (lacquered)	ME 1520-15 CA C-L
antique brass (lacquered)	ME 1520-15 CA AT-L

Ref.-no.

**Socket, French/Belgian system with USB charger**

2-pole + male earth pin, 16 A / 250 V ~  
with enhanced contact protection (shutter)  
with 1 USB port type A  
with quick charge function  
screwless terminals for wires up to 2.5 mm<sup>2</sup>  
Installation in flush box according to EN 60670-1  
Installation depth: 48 mm


**Thermoplastic (breakproof) high-gloss**

ivory	LS 1520 F-18 A
white	LS 1520 F-18 A WW
light grey	LS 1520 F-18 A LG
black	LS 1520 F-18 A SW

**matt lacquered**

matt snow white	LS 1520 F-18 A WWM
matt graphite black	LS 1520 F-18 A SWM

**metal colours (thermoplastic lacquered)**

aluminium (lacquered)	AL 1520 F-18 A-L
stainless steel (lacquered)	ES 1520 F-18 A-L
anthracite (lacquered)	AL 1520 F-18 A AN-L
dark (lacquered)	AL 1520 F-18 A D-L
classic brass (lacquered)	ME 1520 F-18 A C-L
antique brass (lacquered)	ME 1520 F-18 A AT-L

**Socket, French/Belgian system with USB charger**

with enhanced contact protection (shutter)  
with 1 USB port type C  
with quick charge function  
screwless terminals for wires up to 2.5 mm<sup>2</sup>  
Installation in flush box according to EN 60670-1  
2-pole + male earth pin, 16 A / 250 V ~  
Installation depth: 48 mm


**Thermoplastic (breakproof) high-gloss**

ivory	LS 1520 F-18 C
white	LS 1520 F-18 C WW
light grey	LS 1520 F-18 C LG
black	LS 1520 F-18 C SW

**matt lacquered**

matt snow white	LS 1520 F-18 C WWM
matt graphite black	LS 1520 F-18 C SWM

**metal colours (thermoplastic lacquered)**

aluminium (lacquered)	AL 1520 F-18 C-L
stainless steel (lacquered)	ES 1520 F-18 C-L
anthracite (lacquered)	AL 1520 F-18 C AN-L
dark (lacquered)	AL 1520 F-18 C D-L
classic brass (lacquered)	ME 1520 F-18 C C-L
antique brass (lacquered)	ME 1520 F-18 C AT-L



# LS range



## Socket, French/Belgian system with USB charger

2-pole + male earth pin, 16 A / 250 V ~  
with enhanced contact protection (shutter)  
with 1 USB port type A and 1 USB port type C  
screwless terminals for wires up to 2.5 mm<sup>2</sup>  
Installation in flush box according to EN 60670-1  
Installation depth: 48 mm

### Thermoplastic (breakproof) high-gloss

ivory	LS 1520 F-15 CA
white	LS 1520 F-15 CA WW
light grey	LS 1520 F-15 CA LG
black	LS 1520 F-15 CA SW

### matt lacquered

matt snow white	LS 1520 F-15 CA WWM
matt graphite black	LS 1520 F-15 CA SWM

### metal colours (thermoplastic lacquered)

aluminium (lacquered)	AL 1520 F-15 CA-L
stainless steel (lacquered)	ES 1520 F-15 CA-L
anthracite (lacquered)	AL 1520 F-15 CA AN-L
dark (lacquered)	AL 1520 F-15 CA D-L
classic brass (lacquered)	ME 1520 F-15 CA C-L
antique brass (lacquered)	ME 1520 F-15 CA AT-L



## SCHUKO® socket 16 A / 250 V ~

with pilot light (green LED) ref.-no.: 193-LED GN

with enhanced contact protection (shutter)




with inscription field 9 x 58 mm

screwless terminals for wires up to 2.5 mm<sup>2</sup>

without claws: ref.-no. with additional "N", e.g.: ..1520 N..

Supporting frame, claws and claw screws are integrated into the earth protection.

### Duroplastic (scratch-proof) glossy

ivory	 LS 1520 NAKO
white	 LS 1520 NAKO WW
light grey	 LS 1520 NAKO LG
black	LS 1520 NAKO SW

### Thermoplastic (breakproof) high-gloss

white	LS 1520 BFNAKO WW
green	LS 1520 BFNAKO GN
orange	LS 1520 BFNAKO O
red	LS 1520 BFNAKO RT

Spare pilot light exchangeable from the front without disconnecting the mains

### Transparent cover with paper inlay

for inscription field 9 x 58 mm

(Spare part)

paper inlay white	CD 90 NA
-------------------	----------

Ref.-no.

## SCHUKO® socket 16 A / 250 V ~

with enhanced contact protection (shutter)

with integrated inscription module (moisture-proof) 50 x 10 mm


screwless terminals for wires up to 2.5 mm<sup>2</sup>

including inscription module ref.-no.: LS 61 INA BT

When the centre plate is removed, the inscription module remains latched onto the supporting frame.

Supporting frame, claws and claw screws are integrated into the earth protection.

**Thermoplastic (breakproof) high-gloss**

white	 <b>LS 1520 INA WW</b>
green	<b>LS 1520 INA GN</b>
orange	<b>LS 1520 INA O</b>
red	<b>LS 1520 INA RT</b>

## SCHUKO® socket 16 A / 250 V ~

with pilot light (green LED) ref.-no.: 193-LED GN

with enhanced contact protection (shutter)

with integrated inscription module (moisture-proof) 50 x 10 mm


screwless terminals for wires up to 2.5 mm<sup>2</sup>

including inscription module ref.-no.: LS 61 INA BT

When the centre plate is removed, the inscription module remains latched onto the supporting frame.

Supporting frame, claws and claw screws are integrated into the earth protection.

**Thermoplastic (breakproof) high-gloss**

white	 <b>LS 1520 INA KO WW</b>
green	<b>LS 1520 INA KO GN</b>
orange	<b>LS 1520 INA KO O</b>
red	<b>LS 1520 INA KO RT</b>

Spare pilot light exchangeable from the front without disconnecting the mains

## Inscription module 50 x 10 mm

(Spare part)

for SCHUKO® sockets ref.-no.: LS 1520 .. INA ..

**LS 61 INA BT**

## SCHUKO® socket 16 A / 250 V ~

with surge voltage protection

with inscription field 7 x 57 mm

screw terminals for wires up to 2.5 mm<sup>2</sup>

without claws: ref.-no. with additional "N", e.g.: ..521 N..

**Duroplastic (scratch-proof) glossy**

white	<b>LS 521 NAUF WW</b>
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## Transparent cover with paper inlay

for inscription field 7 x 57 mm

(Spare part)

paper inlay white

**LS 20 NA**



# LS range



	Ref.-no.
<b>SCHUKO® socket 16 A / 250 V ~</b> <b>with surge voltage protection</b> <b>with inscription field 12 x 55 mm</b> screw terminals for wires up to 2.5 mm <sup>2</sup> without claws: ref.-no. with additional "N", e.g.: ..521 N.. <b>metal versions</b>	
aluminium	<b>AL 2521 NAUF</b>
<b>Transparent cover</b> for inscription field 12 x 55 mm (Spare part)	
	<b>M 20 NA</b>
<b>SCHUKO® socket with RCD (residual current device) 16 A / 250 V ~</b> <b>according to DIN EN 61008-1 (VDE 0664-10) and DIN EN 61008-2-1 (VDE 0664-11)</b> <b>Rated residual current: 30 mA</b> <b>with enhanced contact protection (shutter)</b> screwless terminals for wires up to 2.5 mm <sup>2</sup> not suitable for installation in surface caps The SCHUKO socket with RCD is suitable to replace sockets in older installations. Sockets that are connected to the RCD-protected output terminals (L' N') are likewise RCD-protected. The electrical installation up to the SCHUKO® socket with RCD is not protected. The socket can also be switched on and off manually, using the built-in switch.	
<b>Thermoplastic (breakproof) high-gloss</b>	
ivory	<b>LS 5520.30</b>
white	<b>LS 5520.30 WW</b>
black	<b>LS 5520.30 SW</b>
<b>RCD (residual current device) 16 A / 250 V ~</b> <b>according to DIN EN 61008-1 (VDE 0664-10) and DIN EN 61008-2-1 (VDE 0664-11)</b> <b>Rated residual current: 30 mA</b> screwless terminals for wires up to 2.5 mm <sup>2</sup> suitable for cables with 2 or 3 conductors not suitable for installation in surface caps Installation into flush box with a depth of 60 mm is recommended. Protection device with voltage-independent function. The sockets connected to the output terminals are protected acc. to DIN VDE 0100-410. The electrical installation up to the RCD is not protected!	
<b>Thermoplastic (breakproof) high-gloss</b>	
ivory	<b>LS 5530 FIB</b>
white	<b>LS 5530 FIB WW</b>
black	<b>LS 5530 FIB SW</b>

Ref.-no.

## SCHUKO® socket 16 A / 250 V ~

with LED floor pilot light

with integrated brightness sensor

with enhanced contact protection (shutter)

screwless terminals for wires up to 2.5 mm<sup>2</sup>

installation into flush box min. 63 mm (depth)

with white LEDs (colour temperature 4000 K)

power consumption stand-by / ON: 0.3 / 0.5 W

Supporting frame, claws and claw screws are integrated into the earth protection.

### Thermoplastic (breakproof) high-gloss

ivory	LS 1520-O LNW
white	LS 1520-O WW LNW
light grey	LS 1520-O LG LNW
black	LS 1520-O SW LNW

### matt lacquered

matt snow white	LS 1520-O WWM LNW
matt graphite black	LS 1520-O SWM LNW

### metal colours (thermoplastic lacquered)

aluminium (lacquered)	AL 1520-O LNW
stainless steel (lacquered)	ES 1520-O LNW
anthracite (lacquered)	AL 1520-O AN LNW
dark (lacquered)	AL 1520-O D LNW
classic brass (lacquered)	ME 1520-O C LNW
antique brass (lacquered)	ME 1520-O AT LNW

## SCHUKO® socket 16 A / 250 V ~

with hinged lid (with spring)

screwless terminals for wires up to 2.5 mm<sup>2</sup>








without claws: ref.-no. with additional "N", e.g.: ..1520 N..

Metal versions not suitable for ceiling installation.

With screw terminals: ref.-no. ..1521..

Supporting frame, claws and claw screws are integrated into the earth protection.



### Duroplastic (scratch-proof) glossy

ivory	  LS 1520 KL
white	  LS 1520 KL WW
light grey	  LS 1520 KL LG
black	 LS 1520 KL SW

### Thermoplastic (breakproof) high-gloss

ivory	  LS 1520 BFKL
white	  LS 1520 BFKL WW
green	 LS 1520 BFKL GN
light grey	  LS 1520 BFKL LG
orange	 LS 1520 BFKL O
red	 LS 1520 BFKL RT
black	  LS 1520 BFKL SW

### matt lacquered

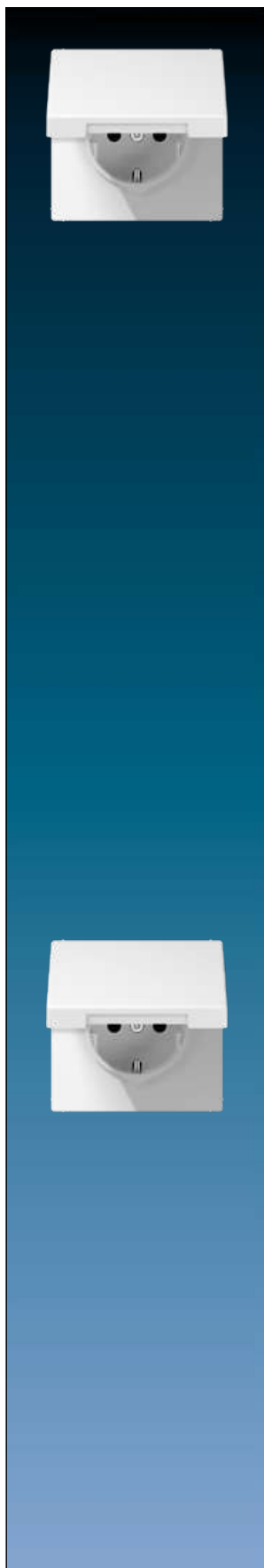
matt snow white	 LS 1520 BFKL WWM
matt graphite black	 LS 1520 BFKL SWM

### metal versions

aluminium	   AL 1520 KL
stainless steel	  ES 1520 KL
anthracite (aluminium lacquered)	 AL 1520 KL AN
dark (aluminium lacquered)	 AL 1520 KL D
chrome	GCR 1520 KL
gold-coloured	GO 1520 KL
classic brass	 ME 1520 KL C
antique brass	ME 1520 KL AT



# LS range



Ref.-no.

## SCHUKO® socket 16 A / 250 V ~

### with hinged lid (with spring)

### with enhanced contact protection (shutter)

screwless terminals for wires up to 2.5 mm<sup>2</sup>








without claws: ref.-no. with additional "N", e.g.: ..1520 N..

Metal versions not suitable for ceiling installation.

With screw terminals: ref.-no. ..1521..

Supporting frame, claws and claw screws are integrated into the earth protection.



### Duroplastic (scratch-proof) glossy

ivory	 	LS 1520 KIKL
white	 	LS 1520 KIKL WW
light grey	 	LS 1520 KIKL LG
black		LS 1520 KIKL SW

### Thermoplastic (breakproof) high-gloss

ivory	 	LS 1520 BFKIKL
white	 	LS 1520 BFKIKL WW
green		LS 1520 BFKIKL GN
light grey	 	LS 1520 BFKIKL LG
orange		LS 1520 BFKIKL O
red		LS 1520 BFKIKL RT
black	 	LS 1520 BFKIKL SW

### matt lacquered

matt snow white		LS 1520 BFKIKL WWM
matt graphite black		LS 1520 BFKIKL SWM

### metal versions

aluminium	  	AL 1520 KIKL
stainless steel	 	ES 1520 KIKL
anthracite (aluminium lacquered)		AL 1520 KIKL AN
dark (aluminium lacquered)		AL 1520 KIKL D
chrome		GCR 1520 KIKL
classic brass		ME 1520 KIKL C
antique brass		ME 1520 KIKL AT








## SCHUKO® socket 16 A / 250 V ~

### with hinged lid (with spring)



screw terminals for wires up to 2.5 mm<sup>2</sup>

Metal versions not suitable for ceiling installation.

### Duroplastic (scratch-proof) glossy

ivory	 	LS 1521 KL
white	 	LS 1521 KL WW
light grey	 	LS 1521 KL LG
black		LS 1521 KL SW

### matt lacquered

matt snow white		LS 1521 KL WWM
matt graphite black		LS 1521 KL SWM

### metal versions

aluminium	  	AL1521KL
stainless steel	 	ES 1521 KL
anthracite (aluminium lacquered)		AL 1521 KL AN
dark (aluminium lacquered)		AL 1521 KL D
gold-coloured		GO 1521 KL
classic brass		ME 1521 KL C
antique brass		ME 1521 KL AT



Ref.-no.

## SCHUKO® socket 16 A / 250 V ~








with hinged lid (with spring)

with enhanced contact protection (shutter)

screw terminals for wires up to 2.5 mm<sup>2</sup>

Metal versions not suitable for ceiling installation.








**Duroplastic (scratch-proof) glossy**

ivory	 	LS 1521 KIKL
white	 	LS 1521 KIKL WW
light grey	 	LS 1521 KIKL LG
black		LS 1521 KIKL SW

**matt lacquered**

matt snow white		LS 1521 KIKL WWM
matt graphite black		LS 1521 KIKL SWM

**metal versions**

aluminium	  	AL 1521 KIKL
stainless steel	 	ES 1521 KIKL
anthracite (aluminium lacquered)		AL 1521 KIKL AN
dark (aluminium lacquered)		AL 1521 KIKL D

## SCHUKO® socket 16 A / 250 V ~

with hinged lid (with spring)

with inscription field 9 x 58 mm

with enhanced contact protection (shutter)

screwless terminals for wires up to 2.5 mm<sup>2</sup>

without claws: ref.-no. with additional "N", e.g.: ..1520 N..



With screw terminals: ref.-no. ..1521..

Supporting frame, claws and claw screws are integrated into the earth protection.

**Thermoplastic (breakproof) high-gloss**

ivory	 	LS 1520 BFNAKL
white	 	LS 1520 BFNAKL WW
green		LS 1520 BFNAKL GN
light grey	 	LS 1520 BFNAKL LG
orange		LS 1520 BFNAKL O
red		LS 1520 BFNAKL RT
black	 	LS 1520 BFNAKL SW

**matt lacquered**

matt snow white		LS 1520 BFNAKL WWM
matt graphite black		LS 1520 BFNAKL SWM

## SCHUKO® socket 16 A / 250 V ~

with hinged lid (with spring)

with inscription field 9 x 58 mm









with enhanced contact protection (shutter)

screw terminals for wires up to 2.5 mm<sup>2</sup>

without claws: ref.-no. with additional "N", e.g.: ..1521 N..

Supporting frame, claws and claw screws are integrated into the earth protection.

**Thermoplastic (breakproof) high-gloss**

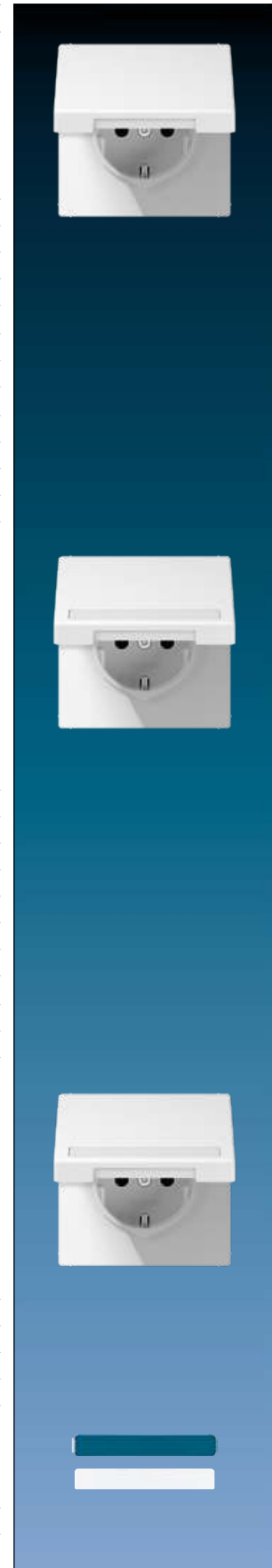
ivory	 	LS 1521 BFNAKL
white	 	LS 1521 BFNAKL WW
light grey	 	LS 1521 BFNAKL LG
black	 	LS 1521 BFNAKL SW

**Transparent cover with paper inlay**

for inscription field 9 x 58 mm

(Spare part)

paper inlay white	CD 90 NA
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# LS range



Ref.-no.

**SCHUKO® socket 16 A / 250 V ~**  
**with hinged lid (with spring)**  
**with inscription field 12 x 55 mm**  
**with enhanced contact protection (shutter)**

screwless terminals for wires up to 2.5 mm<sup>2</sup>  
without claws: ref.-no. with additional "N", e.g.: ..1520 N..  
Metal versions not suitable for ceiling installation.  
With screw terminals: ref.-no. ..1521..  
Supporting frame, claws and claw screws are integrated into the earth protection.

**metal versions**

aluminium	IP P L	AL 1520 NAKL
stainless steel	IP L	ES 1520 NAKL
anthracite (aluminium lacquered)	IP	AL 1520 NAKL AN
dark (aluminium lacquered)	IP	AL 1520 NAKL D
chrome		GCR 1520 NAKL
classic brass	P	ME 1520 NAKL C
antique brass		ME 1520 NAKL AT

**Transparent cover**

for inscription field 12 x 55 mm  
(Spare part)

M 20 NA

**SCHUKO® socket 16 A / 250 V ~**  
**with hinged lid (with spring)**  
**with inscription field 9 x 39 mm**  
**with pilot light (green LED) ref.-no.: 193-LED GN**  
**with enhanced contact protection (shutter)**

screwless terminals for wires up to 2.5 mm<sup>2</sup>  
without claws: ref.-no. with additional "N", e.g.: ..1520 N..  
Supporting frame, claws and claw screws are integrated into the earth protection.

**Thermoplastic (breakproof) high-gloss**

ivory	IP L	LS 1520 NAKLKO
white	IP L	LS 1520 NAKLKO WW
green	IP	LS 1520 NAKLKO GN
light grey	IP L	LS 1520 NAKLKO LG
orange	IP	LS 1520 NAKLKO O
red	IP	LS 1520 NAKLKO RT
black	IP L	LS 1520 NAKLKO SW

Spare pilot light exchangeable from the front without disconnecting the mains

Ref.-no.

## SCHUKO® socket 16 A / 250 V ~

with hinged lid (with spring)

with inscription field 9 x 39 mm

with safety lock (24 different locks)

with enhanced contact protection (shutter)









screwless terminals for wires up to 2.5 mm<sup>2</sup>

without claws: ref.-no. with additional "N", e.g.: ..1520 N..


With screw terminals: ref.-no. ..1521..

Supporting frame, claws and claw screws are integrated into the earth protection.

### Thermoplastic (breakproof) high-gloss

ivory			LS 1520 NAKLSL
white			LS 1520 NAKLSL WW
light grey			LS 1520 NAKLSL LG
black			LS 1520 NAKLSL SW

### metal colours (thermoplastic lacquered)

aluminium (lacquered)			AL 1520 NAKLSL
stainless steel (lacquered)			ES 1520 NAKLSL
anthracite (lacquered)			AL 1520 NAKLSL AN
dark (lacquered)			AL 1520 NAKLSL D
classic brass (lacquered)			ME 1520 NAKLSL C
antique brass (lacquered)			ME 1520 NAKLSL AT

### Key

(Spare part)

for all hinged lids with safety lock

1 piece	802 SL – 825 SL
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When ordering, please indicate lock number!

### Transparent cover with paper inlay

for inscription field 9 x 39 mm

(Spare part)

paper inlay white	LS 90 NA
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## 2-gang SCHUKO® socket 16 A / 250 V ~

with enhanced contact protection (shutter)

to be installed into one flush box with 60 mm Ø

screwless terminals for wires up to 2.5 mm<sup>2</sup>

### metal colours (duroplastic lacquered)

aluminium (lacquered)		AL 5020 KI-L
stainless steel (lacquered)		ES 5020 KI-L
anthracite (lacquered)		AL 5020 KI AN-L


## 2-gang SCHUKO® socket 16 A / 250 V ~

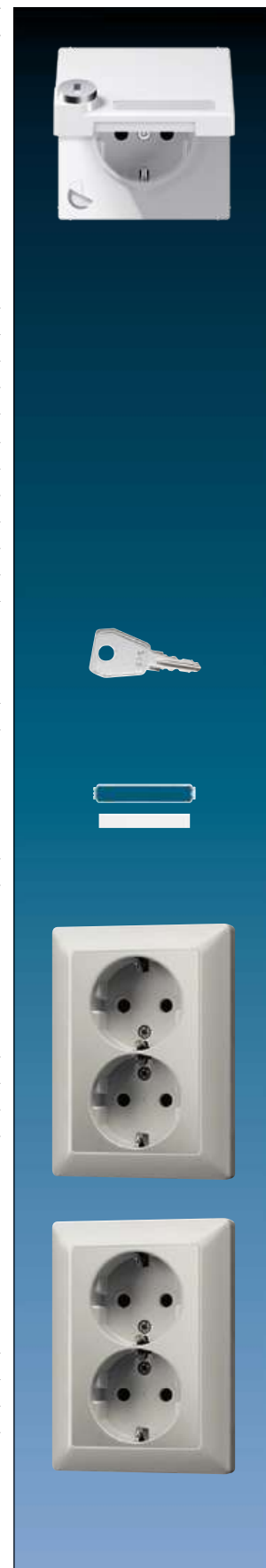
with enhanced contact protection (shutter)

to be installed into one flush box with 60 mm Ø

screw terminals for wires up to 2.5 mm<sup>2</sup>

### metal colours (duroplastic lacquered)

aluminium (lacquered)		AL 5022 KI-L
stainless steel (lacquered)		ES 5022 KI-L
anthracite (lacquered)		AL 5022 KI-L AN



# LS range



Ref.-no.

## Socket, 2-pole without earth 16 A / 250 V ~

screw terminals for wires up to 2.5 mm<sup>2</sup>

### Duroplastic (scratch-proof) glossy

ivory		LS 911
white		LS 911 WW

## Socket for Switzerland

### 1-gang socket type 13

10 A 250 V ~, L + N + PE

screwless terminals for wires up to 2.5 mm<sup>2</sup> acc. to SEV 1011-1998/IEC 884-1

Installation in flush box according to EN 60670-1

not suitable for installation in surface caps

with supporting frame, screw fixing only

### Duroplastic (scratch-proof) glossy

ivory		LS 1520-13 SEV
white		LS 1520-13 SEV WW
light grey		LS 1520-13 SEV LG
black		LS 1520-13 SEV SW

### matt lacquered

matt snow white		LS 1520-13 SEV WWM
matt graphite black		LS 1520-13 SEV SWM

### metal versions

aluminium		AL 1520-13 SEV
stainless steel		ES 1520-13 SEV
anthracite (aluminium lacquered)		AL 1520-13 SEV AN

## Socket insert, French/Belgian system

2-pole + male earth pin, 16 A / 250 V ~

Supporting frame, claws and claw screws are integrated into the earth protection.

### with claws

with screwless terminals	1520 F EINS
with screw terminals	1521 F EINS

## Socket insert, French/Belgian system

2-pole + male earth pin, 16 A / 250 V ~

Supporting frame is integrated into the earth protection.

### without claws

with screwless terminals	1520 NF EINS
with screw terminals	1521 NF EINS

Ref.-no.

## Centre plate

for socket insert French/Belgian system, ref.-no.: 1520 ..F EINS, 1521 ..F EINS

### Duroplastic (scratch-proof) glossy

ivory	P	LS 1521 F PL-1
white	P	LS 1521 F WW PL-1
light grey	P	LS 1521 F LG PL-1
black		LS 1521 F SW PL-1

### metal versions

aluminium	P L	AL 1521 F PL-1
stainless steel	L	ES 1521 F PL-1
anthracite (aluminium lacquered)		AL 1521 F AN PL-1
dark (aluminium lacquered)		AL 1521 F D PL-1
classic brass	P	ME 1521 F C PL-1
antique brass		ME 1521 F AT PL-1

## Centre plate

for socket insert French/Belgian system, ref.-no.: 1520 ..F EINS, 1521 ..F EINS

### with enhanced contact protection (shutter)

### Duroplastic (scratch-proof) glossy

ivory	P	LS 1521 FKI PL-1
white	P	LS 1521 FKI WW PL-1
light grey	P	LS 1521 FKI LG PL-1
black		LS 1521 FKI SW PL-1

### matt lacquered

matt snow white		LS 1521 FKI WWM PL-1
matt graphite black		LS 1521 FKI SWM PL-1

### metal versions

aluminium	P L	AL 1521 FKI PL-1
stainless steel	L	ES 1521 FKI PL-1
anthracite (aluminium lacquered)		AL 1521 FKI AN PL-1
dark (aluminium lacquered)		AL 1521 FKI D PL-1
chrome		GCR 1521 FKIP-1
gold-coloured		GO 1521 FKI PL-1
classic brass	P	ME 1521 FKI C PL-1
antique brass		ME 1521 FKI AT PL-1

## Centre plate

for socket insert French/Belgian system, ref.-no.: 1520 ..F EINS, 1521 ..F EINS

### with enhanced contact protection (shutter)

### with hinged lid (with spring)

### Duroplastic (scratch-proof) glossy

ivory	IP P	LS 1521 FKL PL1
white	IP P	LS 1521 FKL WW PL1
light grey	IP P	LS 1521 FKL LG PL1
black	IP	LS 1521 FKL SW PL1

### matt lacquered

matt snow white	IP	LS 1521 FKL WWM PL1
matt graphite black	IP	LS 1521 FKL SWM PL1

### metal colours (thermoplastic lacquered)

aluminium (lacquered)	IP P	AL 1521 FKL PL1L
stainless steel (lacquered)	IP	ES 1521 FKL PL1L
anthracite (lacquered)	IP	AL 1521 FKL AN PL1L
dark (lacquered)	IP	AL 1521 FKL D PL1L
classic brass (lacquered)	P	ME 1521 FKL C PL1L
antique brass (lacquered)		ME 1521 FKL AT PL1L



# LS range



Ref.-no.

## Socket US NEMA system

### 15 A, 125 V ~, 5-15R, 2-pole + earth

screw terminals for wires up to 4 mm<sup>2</sup> acc. to US-NEMA

#### Thermoplastic (breakproof) high-gloss

white	LS 521-15 WW
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#### matt lacquered

matt snow white	LS 521-15 WWM
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matt graphite black	plug socket black	LS 521-15 SWM
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#### metal versions

aluminium	plug socket black	AL 2521-15
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stainless steel	plug socket black	ES 2521-15
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classic brass	plug socket black	ME 2521-15 C
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antique brass	plug socket black	ME 2521-15 AT
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## Socket US NEMA system

### 20 A, 125 V ~, 5-20R, 2-pole + earth

screw terminals for wires up to 4 mm<sup>2</sup> acc. to US-NEMA

#### Thermoplastic (breakproof) high-gloss

white	LS 521-20 WW
-------	--------------

#### matt lacquered

matt snow white	LS 521-20 WWM
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matt graphite black	plug socket black	LS 521-20 SWM
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#### metal versions

aluminium	plug socket black	AL 2521-20
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stainless steel	plug socket black	ES 2521-20
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classic brass	plug socket black	ME 2521-20 C
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antique brass	plug socket black	ME 2521-20 AT
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## Socket insert British Standard 1363

### 13 A 250 V ~

2-pole + earth, with enhanced contact protection (shutter)

screw terminals for wires up to 4 mm<sup>2</sup>

without switch	3521 EINS
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## Centre plate

for socket insert ref.-no. 3521 EINS

#### Duroplastic (scratch-proof) glossy

ivory	BS 2521 PL
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white	BS 2521 WW PL
-------	---------------

black	BS 2521 SW PL
-------	---------------

#### matt lacquered

matt snow white	BS 2521 WWM PL
-----------------	----------------

matt graphite black	BS 2521 SWM PL
---------------------	----------------

#### metal versions

aluminium	BS 2521 AL PL
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stainless steel	BS 2521 ES PL
-----------------	---------------

anthracite (aluminium lacquered)	BS 2521 AN PL
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dark (aluminium lacquered)	BS 2521 ALD PL
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chrome	BS 2521 GCR PL
--------	----------------

gold-coloured	BS 2521 GO PL
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classic brass	BS 2521 MEC PL
---------------	----------------

antique brass	BS 2521 MEAT PL
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Ref.-no.

**Switched socket insert British Standard 1363**
**13 A 250 V ~**

2-pole + earth, with enhanced contact protection (shutter)

screw terminals for wires up to 4 mm<sup>2</sup>

without indicator light

**3171 EINS**

with indicator light

**3171 KO EINS**
**Centre plate**

for socket insert ref.-no. 3171 EINS

**Duroplastic (scratch-proof) glossy**

ivory

**BS 2171 PL**

white

**BS 2171 WW PL**

black

**BS 2171 SW PL**
**matt lacquered**

matt snow white

**BS 2171 WWM PL**

matt graphite black

**BS 2171 SWM PL**
**metal versions**

aluminium

**BS 2171 AL PL**

stainless steel

**BS 2171 ES PL**

anthracite (aluminium lacquered)

**BS 2171 AN PL**

dark (aluminium lacquered)

**BS 2171 ALD PL**

chrome

**BS 2171 GCR PL**

gold-coloured

**BS 2171 GO PL**

classic brass

**BS 2171 MEC PL**

antique brass

**BS 2171 MEAT PL**
**Centre plate**

for socket insert ref.-no. 3171 KO EINS

**Duroplastic (scratch-proof) glossy**

ivory

**BS 2171 KO PL**

white

**BS 2171 KO WW PL**

black

**BS 2171 KO SW PL**
**matt lacquered**

matt snow white

**BS 2171 KO WWM PL**

matt graphite black

**BS 2171 KO SWM PL**
**metal versions**

aluminium

**BS 2171 KO AL PL**

stainless steel

**BS 2171 KO ES PL**

anthracite (aluminium lacquered)

**BS 2171 KO AN PL**

dark (aluminium lacquered)

**BS 2171 KO ALD PL**

chrome

**BS 2171 KO GCR PL**

gold-coloured

**BS 2171 KO GO PL**

classic brass

**BS 2171 KO MEC PL**

antique brass

**BS 2171 KO MEAT PL**


# LS range



Ref.-no.	
<b>Socket insert British Standard 546</b> <b>5 A 250 V ~</b> 2-pole + earth, with enhanced contact protection (shutter) screw terminals for wires up to 4 mm <sup>2</sup> without switch	
	<b>3171-5 EINS</b>
<b>Centre plate</b> for socket insert ref.-no. 3171-5 EINS <b>Duroplastic (scratch-proof) glossy</b>	
ivory	<b>BS 2171-5 PL</b>
white	<b>BS 2171-5 WW PL</b>
black	<b>BS 2171-5 SW PL</b>
<b>matt lacquered</b>	
matt snow white	<b>BS 2171-5 WWM PL</b>
matt graphite black	<b>BS 2171-5 SWM PL</b>
<b>metal versions</b>	
aluminium	<b>BS 2171-5 AL PL</b>
stainless steel	<b>BS 2171-5 ES PL</b>
anthracite (aluminium lacquered)	<b>BS 2171-5 AN PL</b>
dark (aluminium lacquered)	<b>BS 2171-5 ALD PL</b>
chrome	<b>BS 2171-5 GCR PL</b>
gold-coloured	<b>BS 2171-5 GO PL</b>
classic brass	<b>BS 2171-5 MEC PL</b>
antique brass	<b>BS 2171-5 MEAT PL</b>
<b>Socket insert for China</b> consisting of: 2-pole without earth for flat and rounded pins and 2-pole with earth only for flat pins with enhanced contact protection (shutter) screw terminals for wires up to 4 mm <sup>2</sup> screw fixing only, without claws Supporting frame is integrated into the earth protection. without switch	
	<b>3521-5 CN EINS</b>
<b>Centre plate</b> for Chinese socket combination, ref.-no. 3521-5 CN EINS <b>Duroplastic (scratch-proof) glossy</b>	
ivory	<b>LS 3521-5 CN PL</b>
white	<b>LS 3521-5 CN WW PL</b>
black	<b>LS 3521-5 CN SW PL</b>
<b>matt lacquered</b>	
matt snow white	<b>LS 3521-5 CN WWM PL</b>
matt graphite black	<b>LS 3521-5 CN SWM PL</b>
<b>metal versions</b>	
aluminium	<b>AL 3521-5 CN PL</b>
stainless steel	<b>ES 3521-5 CN PL</b>
anthracite (aluminium lacquered)	<b>AL 3521-5 CN AN PL</b>
dark (aluminium lacquered)	<b>AL 3521-5 CND PL</b>
chrome	<b>GCR 3521-5 CNPL</b>
gold-coloured	<b>GO 3521-5 CN PL</b>
classic brass	<b>ME 3521-5 CN C PL</b>
antique brass	<b>ME 3521-5 CN AT PL</b>



Ref.-no.

## Switched socket insert, type G + I

13 A 250 V ~

for plugs BS 1363 (type G) and GB 2099-1 (type I)

with enhanced contact protection (shutter)

screw terminals for wires up to 4 mm<sup>2</sup>

Installation in flush box according to EN 60670-1

4171 GI SW EINS

## Centre plate

for socket insert ref.-no. 4171 GI SW EINS

### Duroplastic (scratch-proof) glossy

ivory

LS 4171 GI SW PL

white

LS 4171 GI SW WW PL

black

LS 4171 GI SW SW PL

### matt lacquered

matt snow white

LS 4171 GI SW WWM PL

matt graphite black

LS 4171 GI SW SWM PL

other colours on request

## Socket insert for India

16 A 250 V ~

2-pole + earth, with enhanced contact protection (shutter)

screw terminals for wires up to 4 mm<sup>2</sup>

without switch

521 IN-EINS

## Centre plate

for socket insert for India, ref.-no. 521 IN-EINS

### Duroplastic (scratch-proof) glossy

white

LS 521 IN WW PL

### metal versions

aluminium

AL 2521 IN PL

stainless steel

ES 2521 IN PL

anthracite (aluminium lacquered)

AL 2521 IN AN PL

dark (aluminium lacquered)

AL 2521 IN D PL

gold-coloured

GO 2521 IN PL

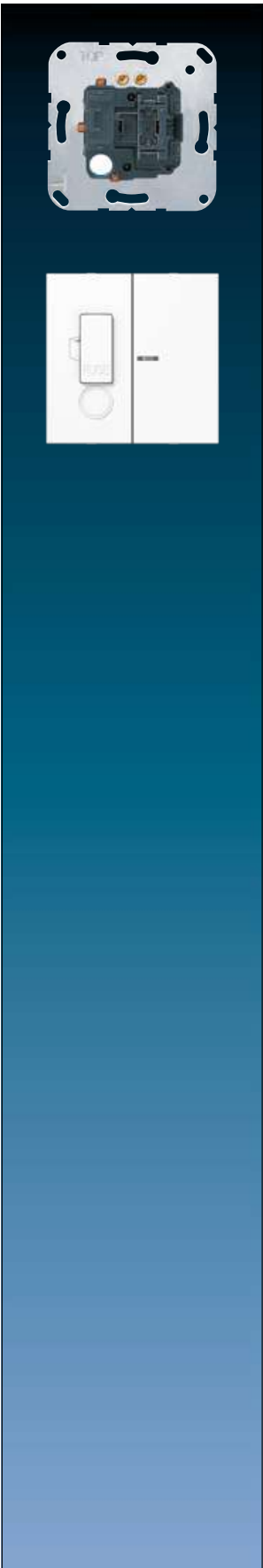
classic brass

ME 2521 IN C PL

antique brass

ME 2521 IN AT PL





**Switched cable unit with fuse**

**2-pole, 13 A 250 V ~**

with indicator light  
screw terminals for wires up to 4 mm<sup>2</sup>

Ref.-no.

**3190 CU KO EINS**

**Centre plate**

for switched cable unit ref.-no. 3190 CU KO EINS

ivory (aluminium lacquered)	<b>BS 2190 CU KO PL</b>
white (aluminium lacquered)	<b>BS 2190 CU KO WW PL</b>
black (aluminium lacquered)	<b>BS 2190 CU KO SW PL</b>

**metal versions**

aluminium	<b>BS 2190 CU KO AL PL</b>
stainless steel	<b>BS 2190 CU KO ES PL</b>
anthracite (aluminium lacquered)	<b>BS 2190 CU KO AN PL</b>
dark (aluminium lacquered)	<b>BS 2190 CU KO ALD PL</b>
chrome	<b>BS 2190 CU KO GCR PL</b>
gold-coloured	<b>BS 2190 CU KO GO PL</b>
classic brass	<b>BS 2190 CU KO MEC PL</b>
antique brass	<b>BS 2190 CU KO MEAT PL</b>

**Switched socket insert British Standard 1363**

**for rectangular British Standard wall boxes**

screw terminals for wires up to 4 mm<sup>2</sup>

2-gang

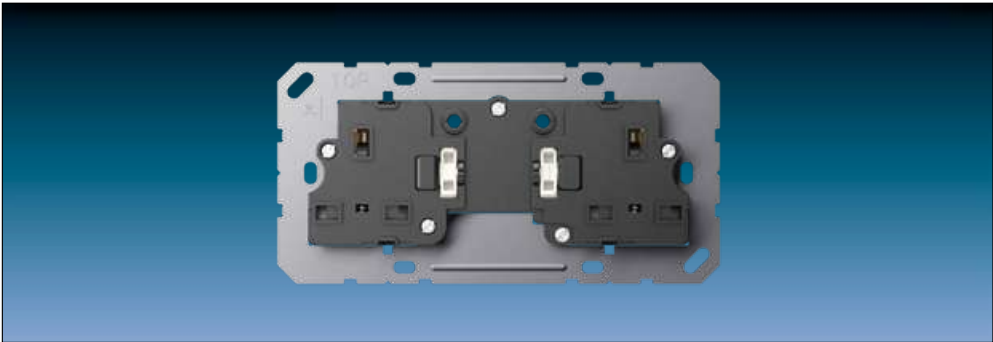
**2-pole, 13 A 250 V ~**

only in combination with 2-gang frames LS 990 (ref.-no. LS 982 ..)

without indicator light	<b>BS 3172 EINS</b>
with indicator light	<b>BS 3172 KO EINS</b>

The inserts enable the flush installation into rectangular British Standard wall boxes.

Combinations with other devices into multiple frames are NOT possible.



Ref.-no.

## Centre plate

for socket insert ref.-no. BS 3172 EINS

only in combination with 2-gang frames LS 990 (ref.-no. LS 982 ..)

### Duroplastic (scratch-proof) glossy

ivory	BS 2172 PL
white	BS 2172 WW PL
black	BS 2172 SW PL

### matt lacquered

matt snow white	BS 2172 WWM PL
matt graphite black	BS 2172 SWM PL

### metal versions

aluminium	BS 2172 AL PL
stainless steel	BS 2172 ES PL
anthracite (aluminium lacquered)	BS 2172 AN PL
dark (aluminium lacquered)	BS 2172 ALD PL
chrome	BS 2172 GCR PL
gold-coloured	BS 2172 GO PL
classic brass	BS 2172 MEC PL
antique brass	BS 2172 MEAT PL

## Centre plate

for socket insert ref.-no. BS 3172 KO EINS

only in combination with 2-gang frames LS 990 (ref.-no. LS 982 ..)

### Duroplastic (scratch-proof) glossy

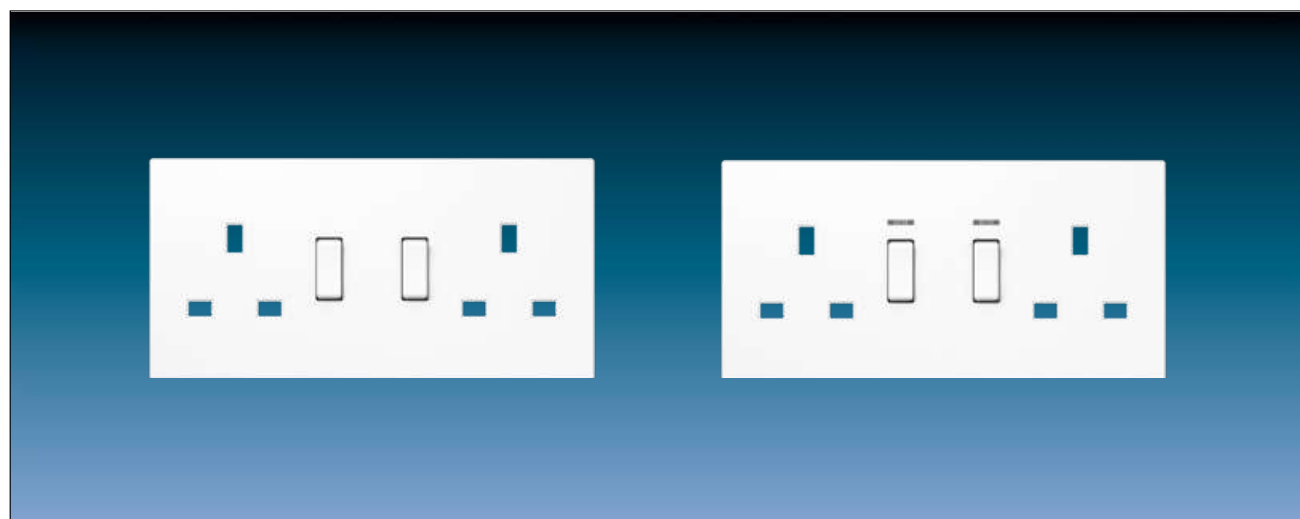
ivory	BS 2172 KO PL
white	BS 2172 KO WW PL
black	BS 2172 KO SW PL

### matt lacquered

matt snow white	BS 2172 KO WWM PL
matt graphite black	BS 2172 KO SWM PL

### metal versions

aluminium	BS 2172 KO AL PL
stainless steel	BS 2172 KO ES PL
anthracite (aluminium lacquered)	BS 2172 KO AN PL
dark (aluminium lacquered)	BS 2172 KO ALD PL
chrome	BS 2172 KO GCR PL
gold-coloured	BS 2172 KO GO PL
classic brass	BS 2172 KO MEC PL
antique brass	BS 2172 KO MEAT PL



Ref.-no.

**Socket insert British Standard 1363  
for rectangular British Standard wall boxes**

screw terminals for wires up to 4 mm<sup>2</sup>

2-gang

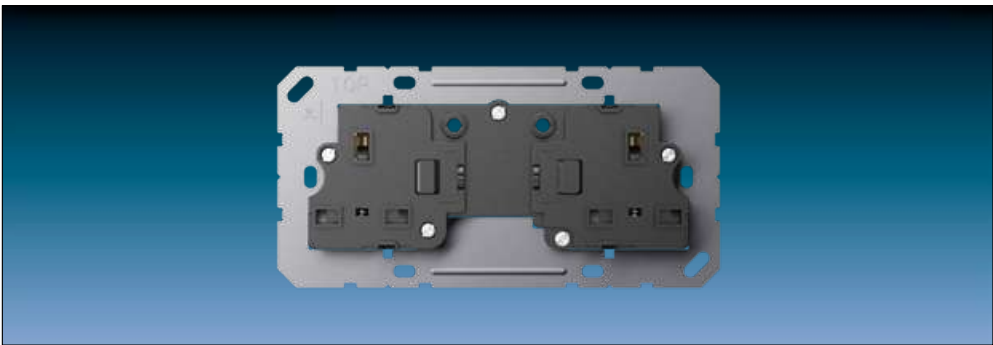
**2-pole, 13 A 250 V ~**

only in combination with 2-gang frames LS 990 (ref.-no. LS 982 ..)

without switch

**BS 3522 EINS**

The inserts enable the flush installation into rectangular British Standard wall boxes.  
Combinations with other devices into multiple frames are NOT possible.



**Centre plate**

for socket insert ref.-no. BS 3522 EINS

only in combination with 2-gang frames LS 990 (ref.-no. LS 982 ..)

**Duroplastic (scratch-proof) glossy**

ivory **BS 2522 PL**

white **BS 2522 WW PL**

black **BS 2522 SW PL**

**matt lacquered**

matt snow white **BS 2522 WWM PL**

matt graphite black **BS 2522 SWM PL**

**metal versions**

aluminium **BS 2522 AL PL**

stainless steel **BS 2522 ES PL**

anthracite (aluminium lacquered) **BS 2522 AN PL**

dark (aluminium lacquered) **BS 2522 ALD PL**

chrome **BS 2522 GCR PL**

gold-coloured **BS 2522 GO PL**

classic brass **BS 2522 MEC PL**

antique brass **BS 2522 MEAT PL**



Ref.-no.

## Centre plate with knob

for rotary dimmer inserts ref.-no.: 1730 DD, 1731 DD, 211 GDE

for satellite dimmer insert ref.-no.: 1733 DNE

for electronic potentiometer 1 – 10 V ref.-no.: 240-10

for DALI rotary controllers ref.-no.: 1740 DSTE, 1741 DSTE

### Duroplastic (scratch-proof) glossy

ivory	 	LS 1940
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white	 	LS 1940 WW
-------	---	------------

light grey	 	LS 1940 LG
------------	---	------------

black		LS 1940 SW
-------	---	------------

### matt lacquered

matt snow white		LS 1940 WWM
-----------------	---	-------------

matt graphite black		LS 1940 SWM
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### metal versions

aluminium	  	AL 1940
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stainless steel	 	ES 1940
-----------------	---	---------

anthracite (aluminium lacquered)		AL 1940 AN
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dark (aluminium lacquered)		AL 1940 D
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chrome		GCR 1940
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gold-coloured		GO 1940
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classic brass		ME 1940 C
---------------	--	-----------

antique brass		ME 1940 AT
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## Sealing gasket

for covers for rotary dimmer inserts

	140 D
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To obtain protection level IP 44 the sealing gasket ref.-no.: 140 D has to be placed into the centre plate for rotary dimmer and IP 44 frame has to be used.

## Standard centre plate

for LB Management inserts "blinds" ref.-no.: 1730 JE and 1731 JE

for LB Management inserts "light" ref.-no.: 1701 SE, 1704 ESE, 1702 SE, 1710 DE,

1711 DE, 1713 DSTE, 1720 NE, 1723 NE, 1708 IE

### Duroplastic (scratch-proof) glossy

ivory		LS 1700
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white		LS 1700 WW
-------	--	------------

light grey		LS 1700 LG
------------	--	------------

black		LS 1700 SW
-------	--	------------


### matt lacquered

matt snow white		LS 1700 WWM
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matt graphite black		LS 1700 SWM
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### metal versions

aluminium		AL 1700
-----------	---	---------

stainless steel		ES 1700
-----------------	---	---------

anthracite (aluminium lacquered)		AL 1700 AN
----------------------------------	--	------------

dark (aluminium lacquered)		AL 1700 D
----------------------------	--	-----------

chrome		GCR 1700
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gold-coloured		GO 1700
---------------	--	---------

classic brass		ME 1700 C
---------------	--	-----------

antique brass		ME 1700 AT
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# LS range



Ref.-no.

## Standard centre plate "arrows"

for LB Management inserts "blinds" ref.-no.: 1730 JE and 1731 JE  
for LB Management inserts "light" ref.-no.: 1701 SE, 1704 ESE, 1702 SE, 1710 DE, 1711 DE, 1713 DSTE, 1720 NE, 1723 NE, 1708 IE

### Duroplastic (scratch-proof) glossy

ivory	LS 1700 P
white	LS 1700 P WW
light grey	LS 1700 P LG
black	LS 1700 P SW

### matt lacquered

matt snow white	LS 1700 P WWM
matt graphite black	LS 1700 P SWM

### metal versions

aluminium	AL 1700 P
stainless steel	ES 1700 P
anthracite (aluminium lacquered)	AL 1700 P AN
dark (aluminium lacquered)	AL 1700 P D
chrome	GCR 1700 P
gold-coloured	GO 1700 P
classic brass	ME 1700 P C
antique brass	ME 1700 P AT

## Universal centre plate

for LB Management inserts "blinds" ref.-no.: 1730 JE and 1731 JE  
for LB Management inserts "light" ref.-no.: 1701 SE, 1704 ESE, 1702 SE, 1710 DE, 1711 DE, 1713 DSTE, 1723 NE


### Duroplastic (scratch-proof) glossy

ivory	LS 1701
white	LS 1701 WW
light grey	LS 1701 LG
black	LS 1701 SW

### matt lacquered

matt snow white	LS 1701 WWM
matt graphite black	LS 1701 SWM

### metal versions

aluminium	 AL 1701
stainless steel	 ES 1701
anthracite (aluminium lacquered)	AL 1701 AN
dark (aluminium lacquered)	AL 1701 D
chrome	GCR 1701
gold-coloured	GO 1701
classic brass	ME 1701 C
antique brass	ME 1701 AT

Ref.-no.

## Universal centre plate "arrows"

for LB Management inserts "blinds" ref.-no.: 1730 JE and 1731 JE  
for LB Management inserts "light" ref.-no.: 1701 SE, 1704 ESE, 1702 SE, 1710 DE, 1711 DE, 1713 DSTE, 1723 NE

### Duroplastic (scratch-proof) glossy

ivory	LS 1701 P
white	LS 1701 P WW
light grey	LS 1701 P LG
black	LS 1701 P SW

### matt lacquered

matt snow white	LS 1701 P WWM
matt graphite black	LS 1701 P SWM

### metal versions

aluminium	AL 1701 P
stainless steel	ES 1701 P
anthracite (aluminium lacquered)	AL 1701 P AN
dark (aluminium lacquered)	AL 1701 P D
chrome	GCR 1701 P
gold-coloured	GO 1701 P
classic brass	ME 1701 P C
antique brass	ME 1701 P AT

## Standard centre plate 2-gang

for LB Management inserts "light" ref.-no.: 1702 SE, 1712 DE, 1713 DSTE, 1723 NE

### Duroplastic (scratch-proof) glossy

ivory	LS 1702
white	LS 1702 WW
light grey	LS 1702 LG
black	LS 1702 SW

### matt lacquered

matt snow white	LS 1702 WWM
matt graphite black	LS 1702 SWM

### metal versions

aluminium	 AL 1702
stainless steel	 ES 1702
anthracite (aluminium lacquered)	AL 1702 AN
dark (aluminium lacquered)	AL 1702 D
classic brass	ME 1702 C
antique brass	ME 1702 AT

## Standard timer with display

for LB Management inserts "blinds" ref.-no.: 1730 JE and 1731 JE  
for LB Management inserts "light" ref.-no.: 1701 SE, 1704 ESE, 1702 SE, 1710 DE, 1711 DE, 1713 DSTE, 1723 NE

white	LS 1750 D WW
black	LS 1750 D SW



# LS range



Ref.-no.

## Universal timer Bluetooth

for LB Management inserts "blinds" ref.-no.: 1730 JE and 1731 JE

for LB Management inserts "light" ref.-no.: 1701 SE, 1704 ESE, 1702 SE, 1710 DE, 1711 DE, 1713 DSTE, 1723 NE

### Duroplastic (scratch-proof) glossy

ivory	LS 1751 BT
white	LS 1751 BT WW
light grey	LS 1751 BT LG
black	LS 1751 BT SW

### matt lacquered

matt snow white	LS 1751 BT WWM
matt graphite black	LS 1751 BT SWM

### metal versions

aluminium	AL 1751 BT
stainless steel	ES 1751 BT
anthracite (aluminium lacquered)	AL 1751 BT AN
dark (aluminium lacquered)	AL 1751 BT D
chrome	GCR 1751 BT
gold-coloured	GO 1751 BT
classic brass	ME 1751 BT C
antique brass	ME 1751 BT AT

## Universal timer Bluetooth "arrows"

for LB Management inserts "blinds" ref.-no.: 1730 JE and 1731 JE

for LB Management inserts "light" ref.-no.: 1701 SE, 1704 ESE, 1702 SE, 1710 DE, 1711 DE, 1713 DSTE, 1723 NE

### Duroplastic (scratch-proof) glossy

ivory	LS 1751 PBT
white	LS 1751 PBT WW
light grey	LS 1751 PBT LG
black	LS 1751 PBT SW

### matt lacquered

matt snow white	LS 1751 PBT WWM
matt graphite black	LS 1751 PBT SWM

### metal versions

aluminium	AL 1751 PBT
stainless steel	ES 1751 PBT
anthracite (aluminium lacquered)	AL 1751 PBT AN
dark (aluminium lacquered)	AL 1751 PBT D
chrome	GCR 1751 PBT
gold-coloured	GO 1751 PBT
classic brass	ME 1751 PBT C
antique brass	ME 1751 PBT AT



Ref.-no.

## eNet Standard radio centre plate

for LB Management inserts "blinds" ref.-no.: 1730 JE and 1731 JE  
for LB Management inserts "light" ref.-no.: 1701 SE, 1704 ESE, 1702 SE, 1710 DE, 1711 DE, 1713 DSTE, 1723 NE

### Duroplastic (scratch-proof) glossy

ivory	FM LS 1700
white	FM LS 1700 WW
light grey	FM LS 1700 LG
black	FM LS 1700 SW

### matt lacquered

matt snow white	FM LS 1700 WWM
matt graphite black	FM LS 1700 SWM

### metal versions

aluminium	 FM AL 1700
stainless steel	 FM ES 1700
anthracite (aluminium lacquered)	FM AL 1700 AN
dark (aluminium lacquered)	FM AL 1700 D
chrome	FM GCR 1700
gold-coloured	FM GO 1700
classic brass	FM ME 1700 C
antique brass	FM ME 1700 AT

## eNet Standard radio centre plate "arrows"

for LB Management inserts "blinds" ref.-no.: 1730 JE and 1731 JE  
for LB Management inserts "light" ref.-no.: 1701 SE, 1704 ESE, 1702 SE, 1710 DE, 1711 DE, 1713 DSTE, 1723 NE

### Duroplastic (scratch-proof) glossy

ivory	FM LS 1700 P
white	FM LS 1700 P WW
light grey	FM LS 1700 P LG
black	FM LS 1700 P SW

### matt lacquered

matt snow white	FM LS 1700 P WWM
matt graphite black	FM LS 1700 P SWM

### metal versions

aluminium	FM AL 1700 P
stainless steel	FM ES 1700 P
anthracite (aluminium lacquered)	FM AL 1700 P AN
dark (aluminium lacquered)	FM AL 1700 P D
chrome	FM GCR 1700 P
gold-coloured	FM GO 1700 P
classic brass	FM ME 1700 P C
antique brass	FM ME 1700 P AT



# LS range



Ref.-no.

## eNet radio centre plate

for LB Management inserts "blinds" ref.-no.: 1730 JE and 1731 JE

for LB Management inserts "light" ref.-no.: 1701 SE, 1704 ESE, 1702 SE, 1710 DE, 1711 DE, 1713 DSTE, 1723 NE

### Duroplastic (scratch-proof) glossy

ivory	<b>FM LS 1701</b>
white	<b>FM LS 1701 WW</b>
light grey	<b>FM LS 1701 LG</b>
black	<b>FM LS 1701 SW</b>

### matt lacquered

matt graphite black	<b>FM LS 1701 SWM</b>
matt snow white	<b>FM LS 1701 WWM</b>

### metal versions

aluminium	<b>FM AL 1701</b>
stainless steel	<b>FM ES 1701</b>
anthracite (aluminium lacquered)	<b>FM AL 1701 AN</b>
dark (aluminium lacquered)	<b>FM AL 1701 D</b>
chrome	<b>FM GCR 1701</b>
gold-coloured	<b>FM GO 1701</b>
classic brass	<b>FM ME 1701 C</b>
antique brass	<b>FM ME 1701 AT</b>

## eNet radio centre plate "arrows"

for LB Management inserts "blinds" ref.-no.: 1730 JE and 1731 JE

for LB Management inserts "light" ref.-no.: 1701 SE, 1704 ESE, 1702 SE, 1710 DE, 1711 DE, 1713 DSTE, 1723 NE

### Duroplastic (scratch-proof) glossy

ivory	<b>FM LS 1701 P</b>
white	<b>FM LS 1701 P WW</b>
light grey	<b>FM LS 1701 P LG</b>
black	<b>FM LS 1701 P SW</b>

### matt lacquered

matt graphite black	<b>FM LS 1701 P SWM</b>
matt snow white	<b>FM LS 1701 P WWM</b>

### metal versions

aluminium	<b>FM AL 1701 P</b>
stainless steel	<b>FM ES 1701 P</b>
anthracite (aluminium lacquered)	<b>FM AL 1701 P AN</b>
dark (aluminium lacquered)	<b>FM AL 1701 P D</b>
chrome	<b>FM GCR 1701 P</b>
gold-coloured	<b>FM GO 1701 P</b>
classic brass	<b>FM ME 1701 P C</b>
antique brass	<b>FM ME 1701 P AT</b>

Ref.-no.

## Standard automatic switch 1.1 m

for LB Management inserts "light" ref.-no.: 1701 SE, 1704 ESE, 1702 SE, 1710 DE, 1711 DE, 1713 DSTE, 1723 NE, 1708 IE

### Thermoplastic (breakproof) high-gloss

ivory	LS 17180
white	LS 17180 WW
light grey	LS 17180 LG
black	LS 17180 SW

### matt lacquered

matt snow white	LS 17180 WWM
matt graphite black	LS 17180 SWM

### metal colours (thermoplastic lacquered)

aluminium (lacquered)	AL 17180
stainless steel (lacquered)	ES 17180
anthracite (lacquered)	AL 17180 AN
dark (lacquered)	AL 17180 D
classic brass (lacquered)	ME 17180 C
antique brass (lacquered)	ME 17180 AT

## Standard automatic switch 1.1 m

for LB Management inserts "light" ref.-no.: 1701 SE, 1704 ESE, 1702 SE, 1710 DE, 1711 DE, 1713 DSTE, 1723 NE, 1708 IE

### IP 44 suitable only for indoor installation

### Thermoplastic (breakproof) high-gloss

ivory	IP	LS 17180 WU
white	IP	LS 17180 WU WW
light grey	IP	LS 17180 WU LG
black	IP	LS 17180 WU SW

### matt lacquered

matt snow white	IP	LS 17180 WU WWM
matt graphite black	IP	LS 17180 WU SWM

### metal colours (thermoplastic lacquered)

aluminium (lacquered)	IP	AL 17180 WU
stainless steel (lacquered)	IP	ES 17180 WU
anthracite (lacquered)	IP	AL 17180 WU AN
dark (lacquered)	IP	AL 17180 WU D
classic brass (lacquered)	IP	ME 17180 WU C
antique brass (lacquered)	IP	ME 17180 WU AT



# LS range



Ref.-no.

## Standard automatic switch 2.2 m

for LB Management inserts "light" ref.-no.: 1701 SE, 1704 ESE, 1702 SE, 1710 DE, 1711 DE, 1713 DSTE, 1723 NE, 1708 IE

### IP 44 suitable only for indoor installation

#### Thermoplastic (breakproof) high-gloss

ivory	IP	LS 17280
white	IP	LS 17280 WW
light grey	IP	LS 17280 LG
black	IP	LS 17280 SW

#### matt lacquered

matt snow white	IP	LS 17280 WWM
matt graphite black	IP	LS 17280 SWM

#### metal colours (thermoplastic lacquered)

aluminium (lacquered)	IP	AL 17280
stainless steel (lacquered)	IP	ES 17280
anthracite (lacquered)	IP	AL 17280 AN
dark (lacquered)	IP	AL 17280 D
classic brass (lacquered)	IP	ME 17280 C
antique brass (lacquered)	IP	ME 17280 AT

## Universal automatic switch 1.1 m

for LB Management inserts "light" ref.-no.: 1701 SE, 1704 ESE, 1702 SE, 1710 DE, 1711 DE, 1713 DSTE, 1723 NE, 1708 IE

### Thermoplastic (breakproof) high-gloss

ivory	LS 17181
white	LS 17181 WW
light grey	LS 17181 LG
black	LS 17181 SW

#### matt lacquered

matt snow white	LS 17181 WWM
matt graphite black	LS 17181 SWM

#### metal colours (thermoplastic lacquered)

aluminium (lacquered)	AL 17181
stainless steel (lacquered)	ES 17181
anthracite (lacquered)	AL 17181 AN
dark (lacquered)	AL 17181 D
classic brass (lacquered)	ME 17181 C
antique brass (lacquered)	ME 17181 AT

Ref.-no.

## Universal automatic switch 1.1 m

for LB Management inserts "light" ref.-no.: 1701 SE, 1704 ESE, 1702 SE, 1710 DE, 1711 DE, 1713 DSTE, 1723 NE, 1708 IE

### IP 44 suitable only for indoor installation

#### Thermoplastic (breakproof) high-gloss

ivory	IP	LS 17181 WU
white	IP	LS 17181 WU WW
light grey	IP	LS 17181 WU LG
black	IP	LS 17181 WU SW

#### matt lacquered

matt snow white	IP	LS 17181 WU WWM
matt graphite black	IP	LS 17181 WU SWM

#### metal colours (thermoplastic lacquered)

aluminium (lacquered)	IP	AL 17181 WU
stainless steel (lacquered)	IP	ES 17181 WU
anthracite (lacquered)	IP	AL 17181 WU AN
dark (lacquered)	IP	AL 17181 WU D
classic brass (lacquered)	IP	ME 17181 WU C
antique brass (lacquered)	IP	ME 17181 WU AT

## Universal automatic switch 2.2 m

for LB Management inserts "light" ref.-no.: 1701 SE, 1704 ESE, 1702 SE, 1710 DE, 1711 DE, 1713 DSTE, 1723 NE, 1708 IE

### IP 44 suitable for indoor and outdoor installation

#### Thermoplastic (breakproof) high-gloss

ivory	IP	LS 17281
white	IP	LS 17281 WW
light grey	IP	LS 17281 LG
black	IP	LS 17281 SW

#### matt lacquered

matt snow white	IP	LS 17281 WWM
matt graphite black	IP	LS 17281 SWM

#### metal colours (thermoplastic lacquered)

aluminium (lacquered)	IP	AL 17281
stainless steel (lacquered)	IP	ES 17281
anthracite (lacquered)	IP	AL 17281 AN
dark (lacquered)	IP	AL 17281 D
classic brass (lacquered)	IP	ME 17281 C
antique brass (lacquered)	IP	ME 17281 AT

## Sealing kit

for automatic switches 2.2 m of the CD and LS ranges

IP	AS CD 50 DS
----	-------------

To obtain protection level IP 44



# LS range






Ref.-no.




## Electronic timer, 230 V~, 1500 VA

The device is operated simply by pressing the button. After a previously set time delay the timer switches off automatically. The activated time delay can be stopped by pressing the button again. 1-pole switch contact, with status LED, satellite operation possible

### time delay 1 – 60 min.

aluminium	  AL 1060 ET
stainless steel	 ES 1060 ET
anthracite (aluminium lacquered)	AL 1060 ET AN

### time delay 1 – 8 hours

aluminium	  AL 10.480 ET
stainless steel	 ES 10.480 ET
anthracite (aluminium lacquered)	AL 10.480 ET AN

## Room thermostat (1-way contact)

1-pole NC contact 10 (4) A, AC 230 V ~, 50/60 Hz

### Thermoplastic (breakproof) high-gloss

ivory	TR LS 231
white	TR LS 231 WW
light grey	TR LS 231 LG
black	TR LS 231 SW

### matt lacquered

matt snow white	TR LS 231 WWM
matt graphite black	TR LS 231 SWM

### metal versions

aluminium	TR AL 231
stainless steel	TR ES 231
anthracite (aluminium lacquered)	TR AL 231 AN
dark (aluminium lacquered)	TR AL 231 D
chrome	TR GCR 231
gold-coloured	TR GO 231
gold-plated	TR LS 231 GGO
classic brass	TR ME 231 C
antique brass	TR ME 231 AT

## Room thermostat (1-way contact)

1-pole NC contact 10 (4) A, AC 24 V ~

### Thermoplastic (breakproof) high-gloss

ivory	TR LS 241
white	TR LS 241 WW
light grey	TR LS 241 LG
black	TR LS 241 SW

### metal versions

aluminium	TR AL 241
stainless steel	TR ES 241
anthracite (aluminium lacquered)	TR AL 241 AN
dark (aluminium lacquered)	TR AL 241 D
chrome	TR GCR 241
gold-coloured	TR GO 241
gold-plated	TR LS 241 GGO
classic brass	TR ME 241 C
antique brass	TR ME 241 AT

Ref.-no.

## Room thermostat (2-way contact)

1-pole, 2-way, heating 10 (4) A, AC 230 V ~, 50/60 Hz

1-pole, 2-way, cooling 5 (2) A, AC 230 V ~, 50/60 Hz

For switching between heating/cooling the EBERLE terminal strip EV..H/K is necessary.

## Thermoplastic (breakproof) high-gloss

ivory	TR LS 236
white	TR LS 236 WW
light grey	TR LS 236 LG
black	TR LS 236 SW

## matt lacquered

matt snow white	TR LS 236 WWM
matt graphite black	TR LS 236 SWM

## metal versions

aluminium	TR AL 236
stainless steel	TR ES 236
anthracite (aluminium lacquered)	TR AL 236 AN
dark (aluminium lacquered)	TR AL 236 D
chrome	TR GCR 236
gold-coloured	TR GO 236
gold-plated	TR LS 236 GGO
classic brass	TR ME 236 C
antique brass	TR ME 236 AT

## Room thermostat (2-way contact)

1-pole, 2-way, heating 10 (4) A, AC 24 V ~

1-pole, 2-way, cooling 5 (2) A, AC 24 V ~

## Thermoplastic (breakproof) high-gloss

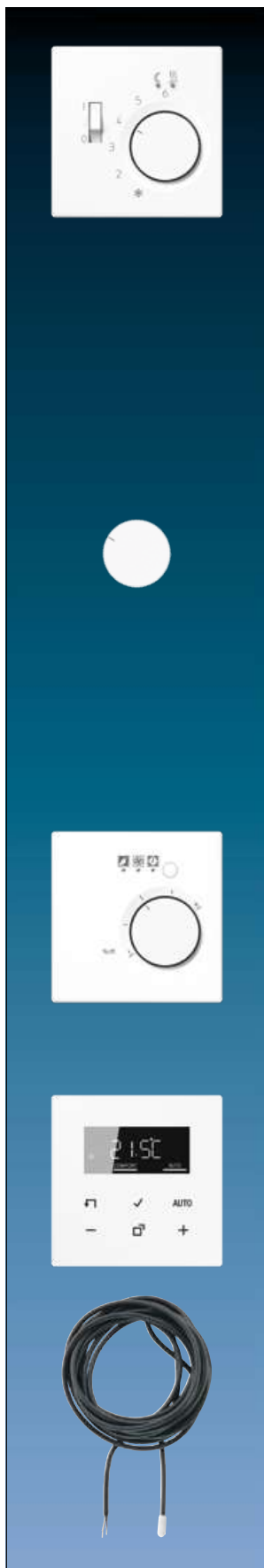
ivory	TR LS 246
white	TR LS 246 WW
light grey	TR LS 246 LG
black	TR LS 246 SW

## metal versions

aluminium	TR AL 246
stainless steel	TR ES 246
anthracite (aluminium lacquered)	TR AL 246 AN
dark (aluminium lacquered)	TR AL 246 D
chrome	TR GCR 246
gold-coloured	TR GO 246
gold-plated	TR LS 246 GGO
classic brass	TR ME 246 C
antique brass	TR ME 246 AT



# LS range



Ref.-no.

## Floor thermostat

1-pole NO contact 10 A, AC 230 V ~, 50/60 Hz

### Thermoplastic (breakproof) high-gloss

ivory	<b>FTR LS 231</b>
white	<b>FTR LS 231 WW</b>
light grey	<b>FTR LS 231 LG</b>
black	<b>FTR LS 231 SW</b>

### metal versions

aluminium	<b>FTR AL 231</b>
stainless steel	<b>FTR ES 231</b>
anthracite (aluminium lacquered)	<b>FTR AL 231 AN</b>
dark (aluminium lacquered)	<b>FTR AL 231 D</b>
chrome	<b>FTR GCR 231</b>
gold-coloured	<b>FTR GO 231</b>
gold-plated	<b>FTR LS 231 GGO</b>
classic brass	<b>FTR ME 231 C</b>
antique brass	<b>FTR ME 231 AT</b>

## Special knob, manipulation-proof

ivory	<b>MS TR 231</b>
white	<b>MS TR 231 WW</b>
light grey	<b>MS TR 231 LG</b>
black	<b>MS TR 231 SW</b>

### for metal versions

aluminium (lacquered)	<b>MS TR 231 AL</b>
stainless steel (lacquered)	<b>MS TR 231 ES</b>
anthracite (lacquered)	<b>MS TR 231 AL AN</b>

The set temperature can no longer be changed after the knob has been "locked".  
Dismounting only possible with tool.

## Humidistat

### Thermoplastic (breakproof) high-gloss

ivory	<b>LS 5201 HYG</b>
white	<b>LS 5201 HYG WW</b>
black	<b>LS 5201 HYG SW</b>

### metal versions

aluminium	<b>AL 5201 HYG</b>
stainless steel	<b>ES 5201 HYG</b>
anthracite (aluminium lacquered)	<b>AL 5201 HYG AN</b>

## Room thermostat with display standard

consists of room thermostat insert (ref.-no.: 1790 RTR) and display (ref.-no.: .. 1790 D ..)

white	<b>TR D LS 1790 WW</b>
black	<b>TR D LS 1790 SW</b>

## External temperature sensor

for room thermostat ref.-no. 1790 RTR, TR D .. 1790 ..

spare part for floor thermostat ref.-no. FTR .. 231 ..

**FF 7.8**

Also suitable as external temperature sensor for the following KNX devices,  
ref.-no.: .. 2178 TS .., .. 2178 ORTS .., .. 5192 KRM TS D, .. 5194 KRM TS D, 2177 SV R, 23066 REGHE

### Technical data

NTC sensor in plastic cap 7.8 mm Ø

Cable length: 4 m

Ambient temperature: -25 ... +70 °C



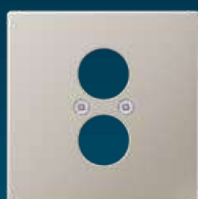
	Ref.-no.
<b>Temperature controller fan coil, 2-pipe</b>	
white	TRD LS 923028 WW
black	TRD LS 923028 SW
<b>Temperature controller fan coil, 4-pipe</b>	
white	TRD LS 923048 WW
black	TRD LS 923048 SW
<b>Friends of Hue switch set</b>	
4-channel	
max. 4 light scenes	
including mounting plate, adhesive film and fastening screw	
including LS 990 frame ref.: LS 981 WW	
<b>Thermoplastic (breakproof) high-gloss</b>	
white	FOHS LS 995 WW
<b>Bluetooth Low Energy radio transmitter</b>	
2-channel	
including mounting plate, adhesive film and fastening screw	
<b>Thermoplastic (breakproof) high-gloss</b>	
white	BLE LS 990 WW
black	BLE LS 990 SW
<b>Bluetooth Low Energy radio transmitter</b>	
4-channel	
including mounting plate, adhesive film and fastening screw	
<b>Thermoplastic (breakproof) high-gloss</b>	
white	BLE LS 995 WW
black	BLE LS 995 SW

Cover kits F50 see as of page 668

Cover kits F40 see as of page 673



# LS range



Ref.-no.

## Centre plate

with supporting frame, screw fixing only

**for 2 loudspeaker sockets** up to 18.5 mm Ø or with flange mounting 22.5 mm hole spacing.

In connection with mounting plate ref.-no. 63 WBT (not included) for loudspeaker terminal ref.-no. LPK 63 RT/SW and RCA socket ref.-no. CIB 63.

**Second hole can be broken out.**

**Duroplastic (scratch-proof) glossy**

ivory	P	LS 962
white	P	LS 962 WW
light grey	P	LS 962 LG
black		LS 962 SW

## Centre plate

with supporting frame, screw fixing only

**for 2 loudspeaker sockets** up to 18.5 mm Ø or with flange mounting 22.5 mm hole spacing.

In connection with mounting plate ref.-no. 63 WBT (not included) for loudspeaker terminal ref.-no. LPK 63 RT/SW and RCA socket ref.-no. CIB 63.

**metal versions**

aluminium	P L	AL 2962-2
stainless steel	L	ES 2962-2
anthracite (aluminium lacquered)		AL 2962-2 AN
dark (aluminium lacquered)		AL 2962-2 D
chrome		GCR 2962-2
gold-coloured		GO 2962-2
gold-plated		LS 962 GGO
classic brass	P	ME 2962-2 C
antique brass		ME 2962-2 AT

## Centre plate

with supporting frame, screw fixing only

**for 1 loudspeaker socket** up to 18.5 mm Ø or with flange mounting 22.5 mm hole spacing.

In connection with mounting plate ref.-no. 63 WBT (not included) for loudspeaker terminal ref.-no. LPK 63 RT/SW and RCA socket ref.-no. CIB 63.

**metal versions**





aluminium	P L	AL 2962-1
stainless steel	L	ES 2962-1
anthracite (aluminium lacquered)		AL 2962-1 AN
dark (aluminium lacquered)		AL 2962-1 D
chrome		GCR 2962-1
gold-coloured		GO 2962-1
classic brass	P	ME 2962-1 C
antique brass		ME 2962-1 AT

Ref.-no.

## Centre plate

for TV-FM sockets ref.-no.: EDU 04 F, GEDU 10, GEDU 15


### Thermoplastic (breakproof) high-gloss

ivory	 LS 990 TV
white	 LS 990 TV WW
light grey	 LS 990 TV LG
black	 LS 990 TV SW

### matt lacquered

matt snow white	LS 990 TV WWM
matt graphite black	LS 990 TV SWM

### metal versions





aluminium	  AL 2990 TV
stainless steel	 ES 2990 TV
anthracite (aluminium lacquered)	AL 2990 TV AN
dark (aluminium lacquered)	AL 2990 TV D
chrome	GCR 2990 TV
gold-coloured	GO 2990 TV
gold-plated	LS 990 TV GGO
classic brass	 ME 2990 TV C
antique brass	ME 2990 TV AT

## Centre plate

for SAT-TV-FM socket outlet inserts ref.-no.: EDA 302 F, GDA 313 F

for standard SAT-TV-FM sockets

### Thermoplastic (breakproof) high-gloss

ivory	 LS 990 SAT
white	 LS 990 SAT WW
light grey	 LS 990 SAT LG
black	 LS 990 SAT SW

### matt lacquered

matt snow white	LS 990 SAT WWM
matt graphite black	LS 990 SAT SWM

### metal versions

aluminium	  AL 2990 SAT
stainless steel	 ES 2990 SAT
anthracite (aluminium lacquered)	AL 2990 SAT AN
dark (aluminium lacquered)	AL 2990 SAT D
chrome	GCR 2990 SAT
gold-coloured	GO 2990 SAT
classic brass	 ME 2990 SAT C
antique brass	ME 2990 SAT AT



# LS range



## Smart TV socket

with supporting frame, screw fixing only

### cover with snap-on fixing and shutter with spring

with inscription field 9 x 58 mm

including universal modular jack socket ref.-no.: UMA-CAT6A and IEC plug module for antenna cables

### Thermoplastic (breakproof) high-gloss

white

Ref.-no.

**MMD LS 4521 WW**

### Technical data

Specification IEC plug module

External connection: coaxial plug IEC 60169-2

Internal connection: F socket IEC 60169-24

Impedance: 75 Ohm

Frequency range: 5 ... 2,400 MHz

Attenuation: 0.0 dB

Installation depth not considering cables

Universal modular jack socket: 40 mm

IEC plug module: 30 mm

Use right angle plug.

Consider bending radius. Ensure sufficient installation space.



## Transparent cover with paper inlay

for inscription field 9 x 58 mm

(Spare part)

paper inlay white

**CD 90 NA**



## Centre plate for volume control (0 - 11):

Dynacord L 314 / L 3100

discontinued: WHD LSt 6 CD- / LSt 50 CD- / LR 15..CD

for available WHD inserts see covers with ref.-no. .. 1541 .. or .. 1941 ..

### Thermoplastic (breakproof) high-gloss

white

**LS 594-8 WW**



## Centre plate for program selection (0 - 5):

Dynacord L 314 SR / L 3100 SR

WHD PRO 3 CD..

### Thermoplastic (breakproof) high-gloss

white

**LS 594-9 WW**

Ref.-no.

## Electronic door signal AC 8 – 12 V ~ / DC 12 – 17 V

with supporting frame, screw fixing only

### Thermoplastic (breakproof) high-gloss

ivory	<b>LS 967 S</b>
white	<b>LS 967 S WW</b>

### matt lacquered

matt snow white	<b>LS 967 S WWM</b>
matt graphite black	<b>LS 967 S SWM</b>

### metal colours (thermoplastic lacquered)

aluminium (lacquered)	<b>AL 2967 S</b>
stainless steel (lacquered)	<b>ES 2967 S</b>
anthracite (lacquered)	<b>AL 2967 S AN</b>

### Technical data

Loudness:	approx. 82 dB(A) (sound 1, approx. 800 Hz), distance 1 m and AC 12 V ~ (Piezo, with sound generator) approx. 96 dB(A) (sound 2, approx. 3000 Hz), distance 1 m and AC 12 V ~ (Piezo, with sound generator)
Terminals:	~ 1 sound 1 (approx. 800 Hz) ~ 2 sound 2 (approx. 3,000 Hz)
Current consumption:	approx. 24 mA at AC 12 V ~ approx. 12 mA at DC 12 V

## Triple-tone door signal

with supporting frame, screw fixing only

### Thermoplastic (breakproof) high-gloss

ivory	<b>LS 2567-G3</b>
white	<b>LS 2567-G3 WW</b>

### matt lacquered

matt snow white	<b>LS 2567-G3 WWM</b>
matt graphite black	<b>LS 2567-G3 SWM</b>

### metal versions

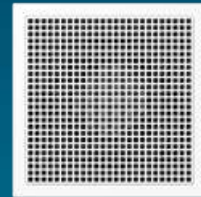
aluminium	<b>AL 2567-G3</b>
stainless steel	<b>ES 2567-G3</b>
anthracite (aluminium lacquered)	<b>AL 2567-G3 AN</b>

2 separate terminals for 2 or 3 tone signal

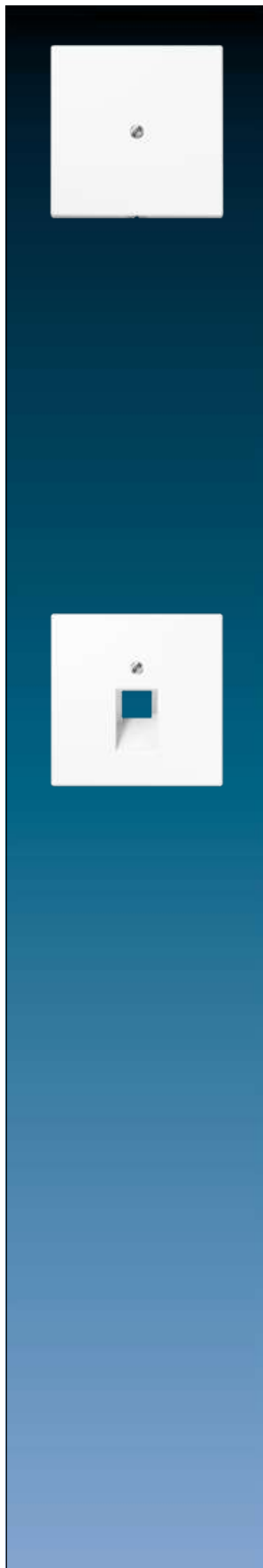
power supply: 8 ... 12 V AC or 8 ... 24 V DC, via external power supply (SELV) e.g.

ref.-no. NT 2405 VDC or NT 2415 REG VDC

current consumption: approx. 150 mA



# LS range



Ref.-no.	
<b>Cable outlet</b>	
with supporting frame, screw fixing only opening for cables with max. 8 mm Ø	
<b>Duroplastic (scratch-proof) glossy</b>	
ivory	<b>LS 990 A</b>
white	<b>LS 990 A WW</b>
light grey	<b>LS 990 A LG</b>
black	<b>LS 990 A SW</b>
<b>matt lacquered</b>	
matt snow white	<b>LS 990 A WWM</b>
matt graphite black	<b>LS 990 A SWM</b>
<b>metal versions</b>	
aluminium	<b>AL 2990 A</b>
stainless steel	<b>ES 2990 A</b>
anthracite (aluminium lacquered)	<b>AL 2990 A AN</b>
dark (aluminium lacquered)	<b>AL 2990 A D</b>
chrome	<b>GCR 2990 A</b>
gold-coloured	<b>GO 2990 A</b>
classic brass	<b>ME 2990 A C</b>
antique brass	<b>ME 2990 A AT</b>
<b>Centre plate</b>	
for 1-gang modular jack sockets IAE/UAE sockets ref.-no.: UAE 8 UPO for sockets Cat. 6 ref.-no.: UAE 8 UPOK6 (1 x 8-pol.) for WLAN access point ref.-no.: WLAN-AC-UAE, WLAN-AC-POE-UAE	
<b>Thermoplastic (breakproof) high-gloss</b>	
ivory	<b>LS 969-1 UA</b>
white	<b>LS 969-1 UA WW</b>
light grey	<b>LS 969-1 UA LG</b>
black	<b>LS 969-1 UA SW</b>
<b>matt lacquered</b>	
matt snow white	<b>LS 969-1 UA WWM</b>
matt graphite black	<b>LS 969-1 UA SWM</b>
<b>metal versions</b>	
aluminium	<b>AL 2969-1 UA</b>
stainless steel	<b>ES 2969-1 UA</b>
anthracite (aluminium lacquered)	<b>AL 2969-1 UA AN</b>
dark (aluminium lacquered)	<b>AL 2969-1 UA D</b>
chrome	<b>GCR 2969-1 UA</b>
gold-coloured	<b>GO 2969-1 UA</b>
gold-plated	<b>LS 969-1 UA GGO</b>
classic brass	<b>ME 2969-1 UA C</b>
antique brass	<b>ME 2969-1 UA AT</b>
Suitable inserts:	
Rutenbeck: UAE 8(4) UPO, UAE 8(8) UPO, UAE-Cat.5e-8 UPO OK, UAE-real.Cat.6-8 UPO OK	
Telegärtner: AMJ 45, UMJ 45 and ISDN 1 x RJ 45 (TYP 8)	

Ref.-no.

## Centre plate with inscription field 9 x 58 mm

for 1-gang modular jack sockets





IAE/UAE sockets ref.-no.: UAE 8 UPO

for sockets Cat. 6 ref.-no.: UAE 8 UPOK6

(1 x 8-pol.)

for WLAN access point ref.-no.: WLAN-AC-UAE, WLAN-AC-POE-UAE


## Thermoplastic (breakproof) high-gloss

ivory	 LS 969-1 NAUA
white	 LS 969-1 NAUA WW
light grey	 LS 969-1 NAUA LG
black	 LS 969-1 NAUA SW

## matt lacquered

matt snow white	LS 969-1 NAUA WWM
matt graphite black	LS 969-1 NAUA SWM

## metal versions, with inscription field 12 x 55 mm

aluminium	  AL 2969-1 NAUA
stainless steel	 ES 2969-1 NAUA
anthracite (aluminium lacquered)	AL 2969-1 NAUA AN
dark (aluminium lacquered)	AL 2969-1 NAUA D
chrome	GCR 2969-1 NAUA
classic brass	 ME 2969-1 NAUA C
antique brass	ME 2969-1 NAUA AT

Suitable inserts:

Rutenbeck: UAE 8(4) UPO, UAE 8(8) UPO, UAE-Cat.5e-8 UPO OK, UAE-real.Cat.6-8 UPO OK

Telegärtner: AMJ 45, UMJ 45 and ISDN 1 x RJ 45 (TYP 8)

## Transparent cover with paper inlay

for inscription field 9 x 58 mm

(Spare part)

paper inlay white	CD 90 NA
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## Transparent cover

for inscription field 12 x 55 mm

(Spare part)

M 20 NA



# LS range



Ref.-no.

## Centre plate

for 2-gang modular jack sockets





IAE/UAE sockets ref.-no.: UAE 2 x 8 UPO, UAE 8-8 UPO

for sockets Cat. 6 ref.-no.: UAE 8-8 UPOK6

(2 x 8-pol.)

for media converter 2-gang ref.-no.: MK-POF-2UAE


## Thermoplastic (breakproof) high-gloss

ivory	 <b>LS 969-2 UA</b>
white	 <b>LS 969-2 UA WW</b>
light grey	 <b>LS 969-2 UA LG</b>
black	 <b>LS 969-2 UA SW</b>

## matt lacquered

matt snow white	<b>LS 969-2 UA WWM</b>
matt graphite black	<b>LS 969-2 UA SWM</b>

## metal versions

aluminium	  <b>AL 2969-2 UA</b>
stainless steel	 <b>ES 2969-2 UA</b>
anthracite (aluminium lacquered)	<b>AL 2969-2 UA AN</b>
dark (aluminium lacquered)	<b>AL 2969-2 UA D</b>
chrome	<b>GCR 2969-2 UA</b>
gold-coloured	<b>GO 2969-2 UA</b>
gold-plated	<b>LS 969-2 UA GGO</b>
classic brass	 <b>ME 2969-2 UA C</b>
antique brass	<b>ME 2969-2 UA AT</b>

Suitable inserts:

METZ CONNECT (BTR): 1307441001-i or 1307441200-i; E-Dat design 8/8(8), Class E

Rutenbeck: UAE 8/8 (8/8) UPO, UAE 2x8 (8) UPO, UAE-Cat.5e-8/8 UPO OK, UAE-real.Cat.6-8/8 UPO OK

Telegärtner: AMJ 45, UMJ 45 and ISDN 2 x RJ 45 (TYP 8/8)

## Centre plate with inscription field 9 x 58 mm

for 2-gang modular jack sockets





IAE/UAE sockets ref.-no.: UAE 2 x 8 UPO, UAE 8-8 UPO

for sockets Cat. 6 ref.-no.: UAE 8-8 UPOK6

(2 x 8-pol.)

for media converter 2-gang ref.-no.: MK-POF-2UAE




## Thermoplastic (breakproof) high-gloss

ivory	 <b>LS 969-2 NAUA</b>
white	 <b>LS 969-2 NAUA WW</b>
light grey	 <b>LS 969-2 NAUA LG</b>
black	 <b>LS 969-2 NAUA SW</b>

## matt lacquered

matt snow white	<b>LS 969-2 NAUA WWM</b>
matt graphite black	<b>LS 969-2 NAUA SWM</b>

## metal versions, with inscription field 12 x 55 mm

aluminium	  <b>AL 2969-2 NAUA</b>
stainless steel	 <b>ES 2969-2 NAUA</b>
anthracite (aluminium lacquered)	<b>AL 2969-2 NAUA AN</b>
dark (aluminium lacquered)	<b>AL 2969-2 NAUA D</b>
chrome	<b>GCR 2969-2 NAUA</b>
classic brass	 <b>ME 2969-2 NAUA C</b>
antique brass	<b>ME 2969-2 NAUA AT</b>

Suitable inserts:

METZ CONNECT (BTR): 1307441001-i or 1307441200-i; E-Dat design 8/8(8), Class E

Rutenbeck: UAE 8/8 (8/8) UPO, UAE 2x8 (8) UPO, UAE-Cat.5e-8/8 UPO OK, UAE-real.Cat.6-8/8 UPO OK

Telegärtner: AMJ 45, UMJ 45 and ISDN 2 x RJ 45 (TYP 8/8)

## Transparent covers ref.-no. CD 90 NA, M 20 NA see page 569

(Spare parts)



Ref.-no.





## Centre plate (snap-on fixing)

with supporting frame, screw fixing only

for universal modular jack socket ref.-no.: UMA-CAT6A

## Shutter with spring for 1 socket





### Thermoplastic (breakproof) high-gloss

ivory	 LS 1969-1 WE
white	 LS 1969-1 WE WW
light grey	 LS 1969-1 WE LG
black	 LS 1969-1 WE SW

### matt lacquered

matt snow white	LS 1969-1 WE WWM
matt graphite black	LS 1969-1 WE SWM





### metal versions

aluminium	  AL 1969-1 WE
stainless steel	 ES 1969-1 WE
anthracite (aluminium lacquered)	AL 1969-1 WE AN
dark (aluminium lacquered)	AL 1969-1 WE D
classic brass	 ME 1969-1 WE C
antique brass	ME 1969-1 WE AT

other colours on request

## for 2 sockets

### Thermoplastic (breakproof) high-gloss

ivory	 LS 1969-2 WE
white	 LS 1969-2 WE WW
light grey	 LS 1969-2 WE LG
black	 LS 1969-2 WE SW

### matt lacquered

matt snow white	LS 1969-2 WE WWM
matt graphite black	LS 1969-2 WE SWM

### metal versions

aluminium	  AL 1969-2 WE
stainless steel	 ES 1969-2 WE
anthracite (aluminium lacquered)	AL 1969-2 WE AN
dark (aluminium lacquered)	AL 1969-2 WE D
classic brass	 ME 1969-2 WE C
antique brass	ME 1969-2 WE AT

for modular jack sockets

### RADIAL:

modular jack unshielded 6P6C, RJ 12, Cat. 4 (ref.-no. R280MOD804)

modular jack unshielded 8P8C, RJ 45, Cat. 4 (ref.-no. R280MOD805)

modular jack unshielded 8P8C, RJ 45, Cat. 5e (ref.-no. R280MOD807)

### Panduit:

keystone jack KJ 88..

keystone jack KJ 588..

### Assmann:

module DN-93612 Cat. 6A, shielded, Keystone

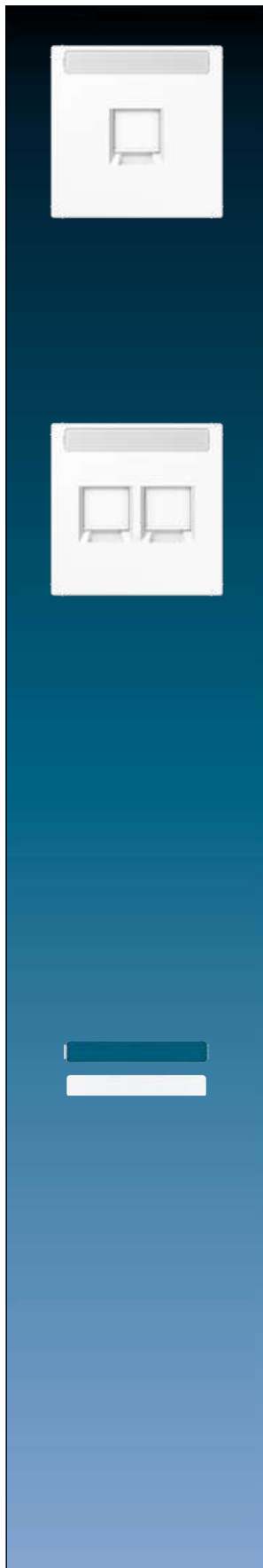
module DN-93614

### SCHRACK

HSPMRJ6G1A, HSEMRJ6GBA, HSEMRJ6GBS, HSEMRJ6GWA, HSEMRJ6GWS, HSEMRJ6UWS



# LS range



Ref.-no.	
<b>Centre plate (snap-on fixing) with inscription field 9 x 58 mm</b>	
with supporting frame, screw fixing only	
for universal modular jack socket ref.-no.: UMA-CAT6A	
<b>Shutter with spring</b>	
<b>for 1 socket</b>	
<b>Thermoplastic (breakproof) high-gloss</b>	
ivory	<b>LS 1969-1 NA WE</b>
white	<b>LS 1969-1 NA WE WW</b>
light grey	<b>LS 1969-1 NA WE LG</b>
black	<b>LS 1969-1 NA WE SW</b>
<b>matt lacquered</b>	
matt snow white	<b>LS 1969-1 NA WE WWM</b>
matt graphite black	<b>LS 1969-1 NA WE SWM</b>
<b>for 2 sockets</b>	
<b>Thermoplastic (breakproof) high-gloss</b>	
ivory	<b>LS 1969-2 NA WE</b>
white	<b>LS 1969-2 NA WE WW</b>
light grey	<b>LS 1969-2 NA WE LG</b>
black	<b>LS 1969-2 NA WE SW</b>
<b>matt lacquered</b>	
matt snow white	<b>LS 1969-2 NA WE WWM</b>
matt graphite black	<b>LS 1969-2 NA WE SWM</b>
for modular jack sockets	
<b>RADIAL:</b>	
modular jack unshielded 6P6C, RJ 12, Cat. 4 (ref.-no. R280MOD804)	
modular jack unshielded 8P8C, RJ 45, Cat. 4 (ref.-no. R280MOD805)	
modular jack unshielded 8P8C, RJ 45, Cat. 5e (ref.-no. R280MOD807)	
<b>Panduit:</b>	
keystone jack KJ 88..	
keystone jack KJ 588..	
<b>Assmann:</b>	
module DN-93612 Cat. 6A, shielded, Keystone	
module DN-93614	
<b>SCHRACK</b>	
HSPMRJ6G1A, HSEMRJ6GBA, HSEMRJ6GBS, HSEMRJ6GWA, HSEMRJ6GWS, HSEMRJ6UWS	
<b>Transparent cover with paper inlay</b>	
for inscription field 9 x 58 mm	
(Spare part)	
paper inlay white	<b>CD 90 NA</b>

Ref.-no.

## Centre plate (snap-on fixing) with inscription field 12 x 55 mm

with supporting frame, screw fixing only

for universal modular jack socket ref.-no.: UMA-CAT6A

### Shutter with spring

#### for 1 socket

##### metal versions

aluminium	 	AL 1969-1 NA WE
stainless steel		ES 1969-1 NA WE
anthracite (aluminium lacquered)		AL 1969-1 NA WE AN
dark (aluminium lacquered)		AL 1969-1 NA WE D
classic brass		ME 1969-1 NA WE C
antique brass		ME 1969-1 NA WE AT

#### for 2 sockets

##### metal versions

aluminium	 	AL 1969-2 NA WE
stainless steel		ES 1969-2 NA WE
anthracite (aluminium lacquered)		AL 1969-2 NA WE AN
dark (aluminium lacquered)		AL 1969-2 NA WE D
classic brass		ME 1969-2 NA WE C
antique brass		ME 1969-2 NA WE AT

for modular jack sockets

##### RADIAL:

modular jack unshielded 6P6C, RJ 12, Cat. 4 (ref.-no. R280MOD804)

modular jack unshielded 8P8C, RJ 45, Cat. 4 (ref.-no. R280MOD805)

modular jack unshielded 8P8C, RJ 45, Cat. 5e (ref.-no. R280MOD807)

##### Panduit:

keystone jack KJ 88..

keystone jack KJ 588..

##### Assmann:

module DN-93612 Cat. 6A, shielded, Keystone

module DN-93614

##### SCHRACK

HSPMRJ6G1A, HSEMRJ6GBA, HSEMRJ6GBS, HSEMRJ6GWA, HSEMRJ6GWS, HSEMRJ6UWS

#### Transparent cover

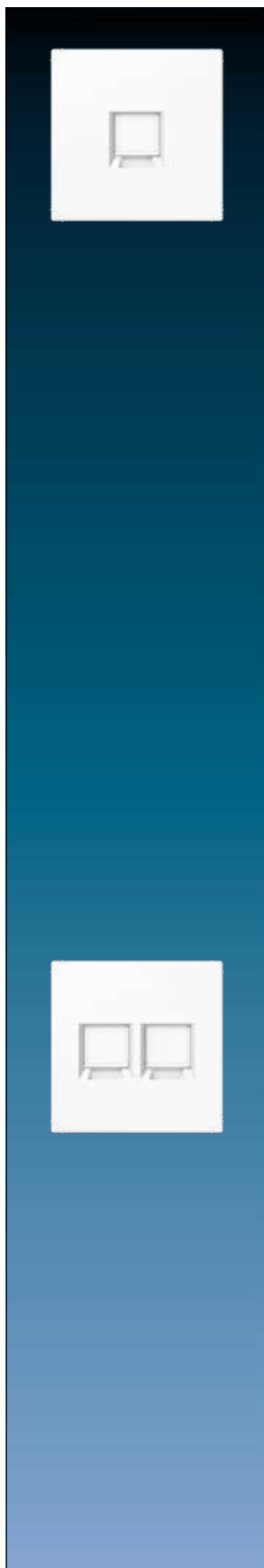
for inscription field 12 x 55 mm

(Spare part)

M 20 NA



# LS range



Ref.-no.

## Centre plate (snap-on fixing)

with supporting frame, screw fixing only  
for modular jack sockets

### TE Connectivity (Tyco Electronics / AMP NETCONNECT)

for cable Ø max. 10 mm:

EMT-jack, Cat. 5e, 180° ref.-no. 0-0188650-5

EMT-jack, Cat. 5e, 90° ref.-no. 0-0188650-6

for cable Ø max. 6.5 mm:

EMT-jack, Cat. 5e, 180° ref.-no. 0-0338038-1

EMT-jack, Cat. 5e, 90° ref.-no. 0-0338038-2

Toolless Jack, Cat. 3 unshielded: ref.-no. 0-1116603-x

Toolless Jack, Cat. 5e unshielded: ref.-no. 0-1116604-x,

Toolless Jack, Cat. 5e shielded: ref.-no. 0-1339015-1

Toolless Jack, Cat. 6 unshielded: ref.-no. 0-1116605-x,





Toolless Jack, Cat. 6 shielded: ref.-no. 0-1339016-1

MTRJ-LWL jack: ref.-no. 1278414-1

## Shutter with spring

for 1 socket

### Thermoplastic (breakproof) high-gloss

ivory		LS 1969-15 WE
white		LS 1969-15 WE WW
light grey		LS 1969-15 WE LG
black		LS 1969-15 WE SW

### matt lacquered





matt snow white	LS 1969-15 WE WWM
matt graphite black	LS 1969-15 WE SWM

### metal versions

aluminium	 	AL 1969-15 WE
stainless steel		ES 1969-15 WE
anthracite (aluminium lacquered)		AL 1969-15 WE AN
dark (aluminium lacquered)		AL 1969-15 WE D
classic brass		ME 1969-15 WE C
antique brass		ME 1969-15 WE AT

## for 2 sockets


### Thermoplastic (breakproof) high-gloss

ivory		LS 1969-25 WE
white		LS 1969-25 WE WW
light grey		LS 1969-25 WE LG
black		LS 1969-25 WE SW

### matt lacquered

matt snow white	LS 1969-25 WE WWM
matt graphite black	LS 1969-25 WE SWM

### metal versions

aluminium	 	AL 1969-25 WE
stainless steel		ES 1969-25 WE
anthracite (aluminium lacquered)		AL 1969-25 WE AN
dark (aluminium lacquered)		AL 1969-25 WE D
classic brass		ME 1969-25 WE C
antique brass		ME 1969-25 WE AT

Ref.-no.

## Centre plate (snap-on fixing) with inscription field 9 x 58 mm

with supporting frame, screw fixing only

for modular jack sockets

### TE Connectivity (Tyco Electronics / AMP NETCONNECT)

for cable Ø max. 10 mm:

EMT-jack, Cat. 5e, 180° ref.-no. 0-0188650-5

EMT-jack, Cat. 5e, 90° ref.-no. 0-0188650-6

for cable Ø max. 6.5 mm:

EMT-jack, Cat. 5e, 180° ref.-no. 0-0338038-1

EMT-jack, Cat. 5e, 90° ref.-no. 0-0338038-2

Toolless Jack, Cat. 3 unshielded: ref.-no. 0-1116603-x

Toolless Jack, Cat. 5e unshielded: ref.-no. 0-1116604-x,

Toolless Jack, Cat. 5e shielded: ref.-no. 0-1339015-1

Toolless Jack, Cat. 6 unshielded: ref.-no. 0-1116605-x,

Toolless Jack, Cat. 6 shielded: ref.-no. 0-1339016-1

MTRJ-LWL jack: ref.-no. 1278414-1

### Shutter with spring

for 1 socket

#### Thermoplastic (breakproof) high-gloss

ivory	LS 1969-15 NA WE
white	LS 1969-15 NA WE WW
light grey	LS 1969-15 NA WE LG
black	LS 1969-15 NA WE SW

#### matt lacquered

matt snow white	LS 1969-15 NA WE WWM
matt graphite black	LS 1969-15 NA WE SWM

### for 2 sockets

#### Thermoplastic (breakproof) high-gloss

ivory	LS 1969-25 NA WE
white	LS 1969-25 NA WE WW
light grey	LS 1969-25 NA WE LG
black	LS 1969-25 NA WE SW

#### matt lacquered

matt snow white	LS 1969-25 NA WE WWM
matt graphite black	LS 1969-25 NA WE SWM

### Transparent cover with paper inlay

for inscription field 9 x 58 mm

(Spare part)

paper inlay white	CD 90 NA
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# LS range



Ref.-no.

## Centre plate (snap-on fixing) with inscription field 12 x 55 mm

with supporting frame, screw fixing only  
for modular jack sockets

### TE Connectivity (Tyco Electronics / AMP NETCONNECT)

for cable Ø max. 10 mm:

EMT-jack, Cat. 5e, 180° ref.-no. 0-0188650-5

EMT-jack, Cat. 5e, 90° ref.-no. 0-0188650-6

for cable Ø max. 6.5 mm:

EMT-jack, Cat. 5e, 180° ref.-no. 0-0338038-1

EMT-jack, Cat. 5e, 90° ref.-no. 0-0338038-2

Toolless Jack, Cat. 3 unshielded: ref.-no. 0-1116603-x

Toolless Jack, Cat. 5e unshielded: ref.-no. 0-1116604-x,

Toolless Jack, Cat. 5e shielded: ref.-no. 0-1339015-1

Toolless Jack, Cat. 6 unshielded: ref.-no. 0-1116605-x,

Toolless Jack, Cat. 6 shielded: ref.-no. 0-1339016-1

MTRJ-LWL jack: ref.-no. 1278414-1

### Shutter with spring

#### for 1 socket

##### metal versions

aluminium	P L	AL 1969-15 NA WE
stainless steel	L	ES 1969-15 NA WE
anthracite (aluminium lacquered)		AL 1969-15 NA WE AN
dark (aluminium lacquered)		AL 1969-15 NA WE D
classic brass	P	ME 1969-15 NA WE C
antique brass		ME 1969-15 NA WE AT

#### for 2 sockets

##### metal versions

aluminium	P L	AL 1969-25 NA WE
stainless steel	L	ES 1969-25 NA WE
anthracite (aluminium lacquered)		AL 1969-25 NA WE AN
dark (aluminium lacquered)		AL 1969-25 NA WE D
classic brass	P	ME 1969-25 NA WE C
antique brass		ME 1969-25 NA WE AT

## Centre plate (snap-on fixing)

with supporting frame, screw fixing only  
for modular jack Avaya (AT&T)

Cat. 3 RJ 45, M1 series: ref.-no. M1BH..., unshielded,

Cat. 5 RJ 45, MPS100 series: ref.-no. MPS100BH..., unshielded,

Cat. 6 RJ 45, MGS200 series: GigaSPEED, ref.-no. MGS200BH..., unshielded

### Shutter with spring








#### for 2 sockets

##### Thermoplastic (breakproof) high-gloss

ivory	L	LS 1969-2 AT
white	L	LS 1969-2 AT WW

##### metal versions

















aluminium	P L	AL 1969-2 AT
stainless steel	L	ES 1969-2 AT

Ref.-no.	
<b>Centre plate (snap-on fixing) with inscription field 9 x 58 mm</b> with supporting frame, screw fixing only for modular jack Avaya (AT&T) Cat. 3 RJ 45, M1 series: ref.-no. M1BH..., unshielded, Cat. 5 RJ 45, MPS100 series: ref.-no. MPS100BH..., unshielded, Cat. 6 RJ 45, MGS200 series: GigaSPEED, ref.-no. MGS200BH..., unshielded	
<b>Shutter with spring</b> <b>for 2 sockets</b> <b>Thermoplastic (breakproof) high-gloss</b>	
ivory	 <b>LS 1969-2 NA AT</b>
white	 <b>LS 1969-2 NA AT WW</b>
<b>Centre plate (snap-on fixing) with inscription field 12 x 55 mm</b> with supporting frame, screw fixing only for modular jack Avaya (AT&T) Cat. 3 RJ 45, M1 series: ref.-no. M1BH..., unshielded, Cat. 5 RJ 45, MPS100 series: ref.-no. MPS100BH..., unshielded, Cat. 6 RJ 45, MGS200 series: GigaSPEED, ref.-no. MGS200BH..., unshielded	
<b>Shutter with spring</b> <b>for 2 sockets</b> <b>metal versions</b>	
aluminium	  <b>AL 1969-2 NA AT</b>
stainless steel	 <b>ES 1969-2 NA AT</b>
<b>Centre plate (snap-on fixing) with inscription field 9 x 58 mm</b> with supporting frame, screw fixing only for modular jack Radiall: R 280MOD813 for modular jack INFRA +: 7700 U, 7700 D, 7700 E	
<b>Shutter with spring</b> <b>Thermoplastic (breakproof) high-gloss</b>	
ivory	 <b>LS 1969-2 NA INF</b>
white	 <b>LS 1969-2 NA INF WW</b>
<b>Transparent cover</b> for inscription field 12 x 55 mm (Spare part)	
<b>M 20 NA</b>	
<b>Transparent cover with paper inlay</b> for inscription field 9 x 58 mm (Spare part)	
paper inlay white	<b>CD 90 NA</b>



# LS range



Ref.-no.	
<b>Centre plate with inscription field 9 x 51 mm</b>	
for mounting adapter 30° ref.-no.: 3069..	
<b>Thermoplastic (breakproof) high-gloss</b>	
ivory	LS 569-30 BF PL
white	LS 569-30 BF PL WW
light grey	LS 569-30 BF PL LG
black	LS 569-30 BF PL SW
<b>metal colours (thermoplastic lacquered)</b>	
aluminium (lacquered)	AL 569-30 BF PL-L
stainless steel (lacquered)	ES 569-30 BF PL-L
anthracite (lacquered)	AL 569-30 BF PL AN L
classic brass (lacquered)	ME 569-30 BF PL C-L
antique brass (lacquered)	ME 569-30 BF PL AT L
<b>Centre plate (screw fixing)</b>	
for stereo loudspeaker socket ref.-no.: SLA 2 WW, SLA 2 AN	
for 2-gang supporting frame ref.-no.: UMA-MA2 in connection with universal modular jack socket type A	
ref.-no.: UMA-CAT6A	
<b>Thermoplastic (breakproof) high-gloss</b>	
ivory	 LS 969 T
white	 LS 969 T WW
light grey	 LS 969 T LG
black	 LS 969 T SW
<b>matt lacquered</b>	
matt snow white	LS 969 T WWM
matt graphite black	LS 969 T SWM
<b>metal versions</b>	
aluminium	  AL 2969 T
stainless steel	 ES 2969 T
anthracite (aluminium lacquered)	AL 2969 T AN
dark (aluminium lacquered)	AL 2969 T D
chrome	GCR 2969 T
classic brass	 ME 2969 T C
antique brass	ME 2969 T AT
for <b>Rutenbeck</b> : UM-MA 2 Up with UM-real Cat.6a A	
for <b>Dätwyler</b> : flush-mounted modular jack socket (for 2 x MS-K 1/8 Cat.6a), ref.-no.: 440 012	
<b>Centre plate (snap-on fixing)</b>	
for USB charger ref.-no.: USB 15 CA WW, USB 15 CA SW	
<b>Thermoplastic (breakproof) high-gloss</b>	
ivory	 LS 1969 USB
white	 LS 1969 USB WW
light grey	 LS 1969 USB LG
black	 LS 1969 USB SW
<b>matt lacquered</b>	
matt snow white	LS 1969 USB WWM
matt graphite black	LS 1969 USB SWM
<b>metal versions</b>	
aluminium	  AL 1969 USB
stainless steel	 ES 1969 USB
anthracite (aluminium lacquered)	AL 1969 USB AN
dark (aluminium lacquered)	AL 1969 USB D
classic brass	 ME 1969 USB C
antique brass	ME 1969 USB AT
USB charger see page 72	



Ref.-no.

## Centre plate

with supporting frame, screw fixing only

**for D-subminiature sockets ref.-no.: D SUB 9**

(mounting plate ref.-no. D 9 necessary)

**for D-subminiature socket 15-pole**

(mounting plate ref.-no. D 15 necessary)

**for D-subminiature socket 25-pole**

**for 1 socket**

**Thermoplastic (breakproof) high-gloss**

ivory	LS 994-1
white	LS 994-1 WW
black	LS 994-1 SW

## Potential equalisation socket

with supporting frame, screw fixing only

with 2 one-pole built-in male sockets according to DIN 42801

for wires up to 6 mm<sup>2</sup>

**Duroplastic (scratch-proof) glossy**

ivory	P	LS 965-2
white	P	LS 965-2 WW
light grey	P	LS 965-2 LG
black		LS 965-2 SW

## metal versions

aluminium	P L	AL 2965-2
stainless steel	L	ES 2965-2

## Right angle plug

for potential equalisation socket

screw terminal for wires with 4 or 6 mm<sup>2</sup>

65 WIS

## Blank centre plate (snap-on fixing)

with supporting frame, screw fixing only

**Duroplastic (scratch-proof) glossy**

ivory	P	LS 961 B
white	P	LS 961 B WW

**Thermoplastic (breakproof) high-gloss**

ivory	P L	LS 994 B
white	P L	LS 994 B WW
light grey	P L	LS 994 B LG
black	P L	LS 994 B SW

## matt lacquered

matt snow white	P	LS 994 B WWM
matt graphite black	P	LS 994 B SWM

## metal versions

aluminium	P P L	AL 2994 B
stainless steel	P L	ES 2994 B
anthracite (aluminium lacquered)	P	AL 2994 B AN
dark (aluminium lacquered)	P	AL 2994 B D
chrome		GCR 2994 B
gold-coloured		GO 2994 B
classic brass	P	ME 2994 B C
antique brass		ME 2994 B AT

The cover will be installed with snap-on fixing and enables individual cuttings or drilling holes.



# LS range



## LED floor pilot light

### with integrated brightness sensor

screwless terminals for wires up to 2.5 mm<sup>2</sup>  
 installation into flush box min. 63 mm (depth)  
 with white LEDs (colour temperature 4000 K)  
 power consumption stand-by / ON: 0.3 / 0.5 W

Supporting frame, claws and claw screws are integrated into the earth protection.

### Thermoplastic (breakproof) high-gloss

ivory	LS 1539-O LNW
white	LS 1539-O WW LNW
light grey	LS 1539-O LG LNW
black	LS 1539-O SW LNW

### matt lacquered

matt snow white	LS 1539-O WWM LNW
matt graphite black	LS 1539-O SWM LNW

### metal colours (thermoplastic lacquered)

aluminium (lacquered)	AL 1539-O LNW
stainless steel (lacquered)	ES 1539-O LNW
anthracite (lacquered)	AL 1539-O AN LNW
dark (lacquered)	AL 1539-O D LNW
classic brass (lacquered)	ME 1539-O C LNW
antique brass (lacquered)	ME 1539-O AT LNW



## LED floor pilot light

screwless terminals for wires up to 2.5 mm<sup>2</sup>  
 installation into flush box min. 63 mm (depth)  
 with white LEDs (colour temperature 4000 K)  
 Power consumption (ON): 0.5 W

The floor pilot light can be switched via an external switch.

Supporting frame, claws and claw screws are integrated into the earth protection.

### Thermoplastic (breakproof) high-gloss

ivory	LS 1539-OO LNW
white	LS 1539-OO WW LNW
light grey	LS 1539-OO LG LNW
black	LS 1539-OO SW LNW

### matt lacquered

matt snow white	LS 1539-OO WWM LNW
matt graphite black	LS 1539-OO SWM LNW

### metal colours (thermoplastic lacquered)

aluminium (lacquered)	AL 1539-OO LNW
stainless steel (lacquered)	ES 1539-OO LNW
anthracite (lacquered)	AL 1539-OO AN LNW
dark (lacquered)	AL 1539-OO D LNW
classic brass (lacquered)	ME 1539-OO C LNW
antique brass (lacquered)	ME 1539-OO AT LNW

Ref.-no.

## Centre plate

with supporting frame, screw fixing only  
for commanding appliance with Ø 22.5 mm  
e.g. Moeller, Rafi, Schlegel, Lumitas, Kraus-Naimer

### Duroplastic (scratch-proof) glossy

ivory	P	LS 964
white	P	LS 964 WW
yellow		LS 964 GE

### metal colours (duroplastic lacquered)

aluminium (lacquered)	P	AL 2964
anthracite (lacquered)		AL 2964 AN

### metal versions

stainless steel	L	ES 2964
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## Centre plate

for pilot lights ref.-no.: 938-10 U and 938-14 U

### Duroplastic (scratch-proof) glossy

ivory	IP	LS 937
white	IP	LS 937 WW
light grey	IP	LS 937 LG
black	IP	LS 937 SW

### metal versions

aluminium	IP	AL 2937
stainless steel	IP	ES 2937
anthracite (aluminium lacquered)	IP	AL 2937 AN

## Sealing gasket

for covers for pilot light ref.-no.: ..537 .., ..937..

IP	37 D
----	------

To obtain protection level IP 44 the sealing gasket ref.-no.: 37 D has to be placed into the pilot light centre plate and IP 44 frame has to be used.

## Screw cap

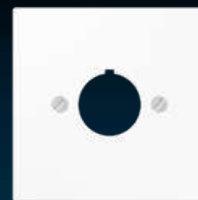
for covers for pilot light ref.-no.: ..537 .., ..937..

### flat, for lamps up to max. length of 35 mm

transparent	37.02
red	37.05
green	37.06
yellow	37.07
blue	37.08

### high, for lamps up to max. length of 54 mm

transparent	37
red	37 R
green	37 G
yellow	37 GE
blue	37 BL



# LS range



Ref.-no.	
<b>Intermediate frame</b>	
to install devices with 50 x 50 mm cover (DIN 49075)	
<b>Thermoplastic (breakproof) high-gloss</b>	
ivory	LS 961 Z
white	LS 961 Z WW
light grey	LS 961 Z LG
black	LS 961 Z SW
<b>matt lacquered</b>	
matt snow white	LS 961 Z WWM
matt graphite black	LS 961 Z SWM
<b>Intermediate frame</b>	
to install devices with CD 500 cover	
<b>Thermoplastic (breakproof) high-gloss</b>	
ivory	LS 981 Z
white	LS 981 Z WW
light grey	LS 981 Z LG
black	LS 981 Z SW
<b>matt lacquered</b>	
matt snow white	LS 981 Z WWM
matt graphite black	LS 981 Z SWM
Combination with push-button sensors, LCD info display and room thermostat is <b>not</b> possible.	
<b>Intermediate frame</b>	
to install devices of other manufacturers with 55 x 55 mm cover	
Not suitable for devices of the AS / A ranges.	
<b>Thermoplastic (breakproof) high-gloss</b>	
ivory	LS 961 Z5
white	LS 961 Z5 WW
black	LS 961 Z5 SW
<b>matt lacquered</b>	
matt snow white	LS 961 Z5 WWM
matt graphite black	LS 961 Z5 SWM
<b>metal colours (thermoplastic lacquered)</b>	
aluminium (lacquered)	AL 2961 Z5-L
stainless steel (lacquered)	ES 2961 Z5-L

Ref.-no.

## Hinged lid with spring

for sockets and devices with 50 x 50 mm cover

Metal versions not suitable for ceiling installation.

### Duroplastic (scratch-proof) glossy

ivory	P	LS 990 KL
white	P	LS 990 KL WW
black		LS 990 KL SW

### Thermoplastic (breakproof) high-gloss

ivory	L	LS 990 BFKL
white	L	LS 990 BFKL WW
light grey	L	LS 990 BFKL LG
black	L	LS 990 BFKL SW
green		LS 990 BFKL GN
orange		LS 990 BFKL O
red		LS 990 BFKL RT

### matt lacquered

matt snow white		LS 990 BFKL WWM
matt graphite black		LS 990 BFKL SWM

### metal versions

aluminium	P L	AL 2990 KL
stainless steel	L	ES 2990 KL
anthracite (aluminium lacquered)		AL 2990 KL AN
dark (aluminium lacquered)		AL 2990 KL D
chrome		GCR 2990 KL
gold-coloured		GO 2990 KL
gold-plated		LS 990 KL GGO
classic brass	P	ME 2990 KL C
antique brass		ME 2990 KL AT

## Hinged lid with spring

### with inscription field 9 x 58 mm

for sockets and devices with 50 x 50 mm cover

### Thermoplastic (breakproof) high-gloss

ivory	L	LS 990 BFNAKL
white	L	LS 990 BFNAKL WW
light grey	L	LS 990 BFNAKL LG
black	L	LS 990 BFNAKL SW
green		LS 990 BFNAKL GN
orange		LS 990 BFNAKL O
red		LS 990 BFNAKL RT

## Transparent cover with paper inlay

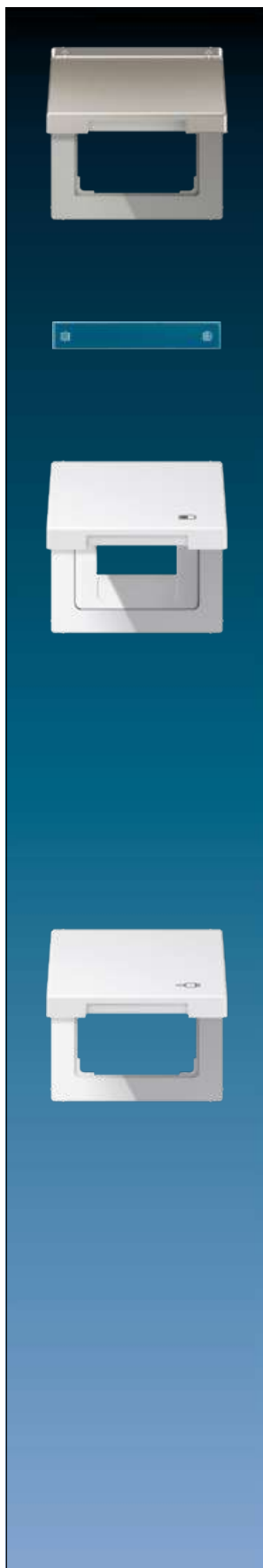
for inscription field 9 x 58 mm

(Spare part)

paper inlay white		CD 90 NA
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# LS range



Ref.-no.




## Hinged lid with spring

### with inscription field 12 x 55 mm

for sockets and devices with 50 x 50 mm cover

Metal versions not suitable for ceiling installation.

#### metal versions

aluminium	  <b>AL 2990 NAKL</b>
stainless steel	 <b>ES 2990 NAKL</b>
anthracite (aluminium lacquered)	<b>AL 2990 NAKL AN</b>
dark (aluminium lacquered)	<b>AL 2990 NAKL D</b>

## Transparent cover

for inscription field 12 x 55 mm

(Spare part)

**M 20 NA**

## Hinged lid with spring

### with symbol "charger"

for USB charger ref.-no.: USB 15 CA WW, USB 15 CA SW

including centre plate

#### Thermoplastic (breakproof) high-gloss

ivory	<b>LS 990 BFKL USB</b>
white	<b>LS 990 BFKL USB WW</b>
light grey	<b>LS 990 BFKL USB LG</b>
black	<b>LS 990 BFKL USB SW</b>

#### metal versions

aluminium	<b>AL 2990 KL USB</b>
stainless steel	<b>ES 2990 KL USB</b>
anthracite (aluminium lacquered)	<b>AL 2990 KL USB AN</b>
dark (aluminium lacquered)	<b>AL 2990 KL USB D</b>
classic brass	<b>ME 2990 KL USB C</b>
antique brass	<b>ME 2990 KL USB AT</b>

## Hinged lid with spring

### with symbol "plug"

for sockets with 50 x 50 mm cover

#### Thermoplastic (breakproof) high-gloss

ivory	<b>LS 990 BFKL SOC</b>
white	<b>LS 990 BFKL SOC WW</b>
light grey	<b>LS 990 BFKL SOC LG</b>
black	<b>LS 990 BFKL SOC SW</b>

#### metal versions

aluminium	<b>AL 2990 KL SOC</b>
stainless steel	<b>ES 2990 KL SOC</b>
anthracite (aluminium lacquered)	<b>AL 2990 KL SOC AN</b>
dark (aluminium lacquered)	<b>AL 2990 KL SOC D</b>
classic brass	<b>ME 2990 KL SOC C</b>
antique brass	<b>ME 2990 KL SOC AT</b>

Ref.-no.

## Hinged lid with spring

### with symbol "LAN"

for 2-gang modular jack sockets

IAE/UAE sockets ref.-no.: UAE 2 x 8 UPO, UAE 8-8 UPO

for sockets Cat. 6 ref.-no.: UAE 8-8 UPOK6

(2 x 8-pol.)

including centre plate

### Thermoplastic (breakproof) high-gloss

ivory	LS 990 BFKL LAN
white	LS 990 BFKL LAN WW
light grey	LS 990 BFKL LAN LG
black	LS 990 BFKL LAN SW

### metal versions

aluminium	AL 2990 KL LAN
stainless steel	ES 2990 KL LAN
anthracite (aluminium lacquered)	AL 2990 KL LAN AN
dark (aluminium lacquered)	AL 2990 KL LAN D
classic brass	ME 2990 KL LAN C
antique brass	ME 2990 KL LAN AT


## Sealing gasket

to ensure protection level IP 44

for all flush-mounted switch/push-button inserts of the 500 range, SCHUKO® sockets with hinged lid, rotary switches and timer switch inserts

for all devices, covers and frames with blue "IP 44 marking"

in some cases with additional gaskets acc. to product description

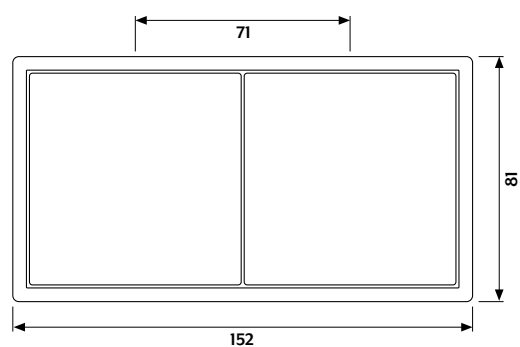
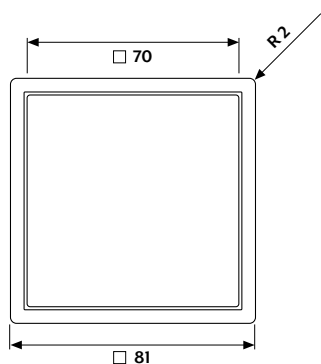
 551 WU



# LS 990



**STAINLESS STEEL**



## Frame edge radius

Duroplastic / stainless steel /  
gold / chrome R 2  
aluminium / anthracite /  
dark / brass R 1.5






## Frame size

1-gang	81 mm x 81 mm
2-gang	81 mm x 152 mm
3-gang	81 mm x 223 mm
4-gang	81 mm x 294 mm
5-gang	81 mm x 365 mm








Ref.-no.






**Frame**  
**for horizontal and vertical installation**  
**for LS range**  
**Duroplastic (scratch-proof) glossy**  
**ivory**

1-gang	81 x 81 mm		<b>LS 981 W</b>
2-gang	81 x 152 mm		<b>LS 982 W</b>
3-gang	81 x 223 mm		<b>LS 983 W</b>
4-gang	81 x 294 mm		<b>LS 984 W</b>
5-gang	81 x 365 mm		<b>LS 985 W</b>






**white**

1-gang	81 x 81 mm		<b>LS 981 WW</b>
2-gang	81 x 152 mm		<b>LS 982 WW</b>
3-gang	81 x 223 mm		<b>LS 983 WW</b>
4-gang	81 x 294 mm		<b>LS 984 WW</b>
5-gang	81 x 365 mm		<b>LS 985 WW</b>






**light grey**

1-gang	81 x 81 mm		<b>LS 981 LG</b>
2-gang	81 x 152 mm		<b>LS 982 LG</b>
3-gang	81 x 223 mm		<b>LS 983 LG</b>
4-gang	81 x 294 mm		<b>LS 984 LG</b>
5-gang	81 x 365 mm		<b>LS 985 LG</b>






**black**

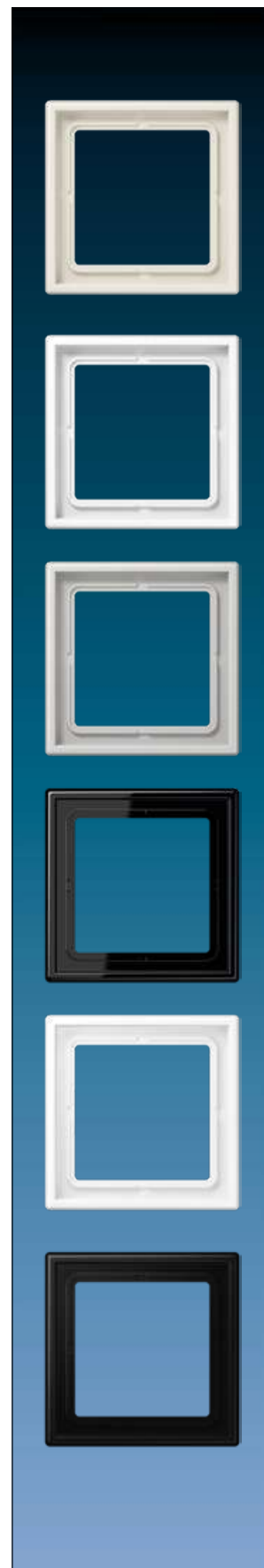
1-gang	81 x 81 mm		<b>LS 981 SW</b>
2-gang	81 x 152 mm		<b>LS 982 SW</b>
3-gang	81 x 223 mm		<b>LS 983 SW</b>
4-gang	81 x 294 mm		<b>LS 984 SW</b>
5-gang	81 x 365 mm		<b>LS 985 SW</b>

**matt lacquered**  
**matt snow white**

1-gang	81 x 81 mm		<b>LS 981 WWM</b>
2-gang	81 x 152 mm		<b>LS 982 WWM</b>
3-gang	81 x 223 mm		<b>LS 983 WWM</b>
4-gang	81 x 294 mm		<b>LS 984 WWM</b>
5-gang	81 x 365 mm		<b>LS 985 WWM</b>

**matt graphite black**

1-gang	81 x 81 mm		<b>LS 981 SWM</b>
2-gang	81 x 152 mm		<b>LS 982 SWM</b>
3-gang	81 x 223 mm		<b>LS 983 SWM</b>
4-gang	81 x 294 mm		<b>LS 984 SWM</b>
5-gang	81 x 365 mm		<b>LS 985 SWM</b>



# LS range

LS 990



Ref.-no.

## Frame for horizontal and vertical installation for LS range

### Metal versions aluminium

1-gang	81 x 81 mm	IP	AL 2981
2-gang	81 x 152 mm	IP	AL 2982
3-gang	81 x 223 mm	IP	AL 2983
4-gang	81 x 294 mm	IP	AL 2984
5-gang	81 x 365 mm	IP	AL 2985

### stainless steel

1-gang	81 x 81 mm	IP	ES 2981
2-gang	81 x 152 mm	IP	ES 2982
3-gang	81 x 223 mm	IP	ES 2983
4-gang	81 x 294 mm	IP	ES 2984
5-gang	81 x 365 mm	IP	ES 2985

### anthracite (aluminium lacquered)

1-gang	81 x 81 mm	IP	AL 2981 AN
2-gang	81 x 152 mm	IP	AL 2982 AN
3-gang	81 x 223 mm	IP	AL 2983 AN
4-gang	81 x 294 mm	IP	AL 2984 AN
5-gang	81 x 365 mm	IP	AL 2985 AN

### dark (aluminium lacquered)

1-gang	81 x 81 mm	IP	AL 2981 D
2-gang	81 x 152 mm	IP	AL 2982 D
3-gang	81 x 223 mm	IP	AL 2983 D
4-gang	81 x 294 mm	IP	AL 2984 D
5-gang	81 x 365 mm	IP	AL 2985 D

### chrome

1-gang	81 x 81 mm		GCR 2981
2-gang	81 x 152 mm		GCR 2982
3-gang	81 x 223 mm		GCR 2983
4-gang	81 x 294 mm		GCR 2984
5-gang	81 x 365 mm		GCR 2985

Ref.-no.

**Frame**  
**for horizontal and vertical installation**  
**for LS range**

**gold-coloured**

1-gang	81 x 81 mm	<b>GO 2981</b>
2-gang	81 x 152 mm	<b>GO 2982</b>
3-gang	81 x 223 mm	<b>GO 2983</b>
4-gang	81 x 294 mm	<b>GO 2984</b>
5-gang	81 x 365 mm	<b>GO 2985</b>

**gold-plated**

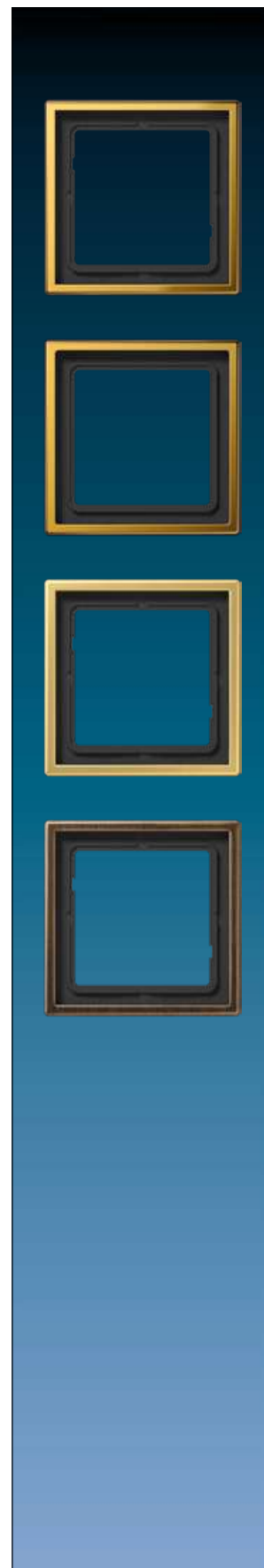
1-gang	81 x 81 mm	<b>LS 981 GGO</b>
2-gang	81 x 152 mm	<b>LS 982 GGO</b>
3-gang	81 x 223 mm	<b>LS 983 GGO</b>
4-gang	81 x 294 mm	<b>LS 984 GGO</b>

**classic brass**

1-gang	81 x 81 mm	<b>ME 2981 C</b>
2-gang	81 x 152 mm	<b>ME 2982 C</b>
3-gang	81 x 223 mm	<b>ME 2983 C</b>
4-gang	81 x 294 mm	<b>ME 2984 C</b>
5-gang	81 x 365 mm	<b>ME 2985 C</b>

**antique brass**

1-gang	81 x 81 mm	<b>ME 2981 AT</b>
2-gang	81 x 152 mm	<b>ME 2982 AT</b>
3-gang	81 x 223 mm	<b>ME 2983 AT</b>
4-gang	81 x 294 mm	<b>ME 2984 AT</b>
5-gang	81 x 365 mm	<b>ME 2985 AT</b>



# LS range

LS CUBE



Ref.-no.

## Surface cap

with integrated frame and non-flammable ground plate  
for inserts with covers of the LS range (except key switches ref.-no. ...15,  
3-level-switch and socket for Switzerland type 13)

### 1-gang, 81 x 81 x 47 mm

#### Duroplastic (scratch-proof) glossy

ivory	LS 581 A W
white	LS 581 A WW
black	LS 581 A SW

#### matt lacquered

matt snow white	LS 581 A WWM
matt graphite black	LS 581 A SWM

#### metal colours (duroplastic lacquered)

aluminium (lacquered)	AL 2581 A-L
stainless steel (lacquered)	ES 2581 A-L

### 2-gang, 152 x 81 x 47 mm

#### Duroplastic (scratch-proof) glossy

ivory	LS 582 A W
white	LS 582 A WW
black	LS 582 A SW

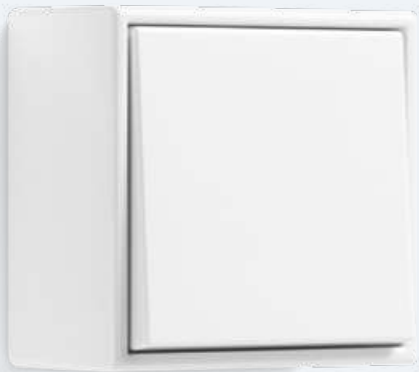
#### matt lacquered

matt snow white	LS 582 A WWM
matt graphite black	LS 582 A SWM

#### metal colours (duroplastic lacquered)

aluminium (lacquered)	AL 2582 A-L
stainless steel (lacquered)	ES 2582 A-L

LS CUBE



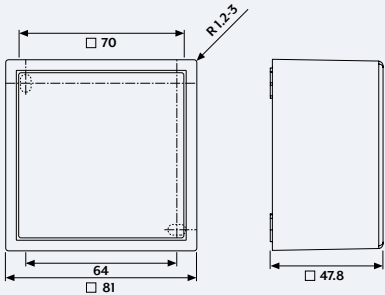
MATT SNOW WHITE

## Frame edge radius

R 1.2-3

## Frame dimensions

1-gang	81 x 81 x 47 mm
2-gang	152 x 81 x 47 mm
3-gang	223 x 81 x 47 mm



Ref.-no.

## Surface cap

with integrated frame and non-flammable ground plate  
for inserts with covers of the LS range (except key switches ref.-no. ...15,  
3-level-switch and socket for Switzerland type 13)

### 3-gang, 223 x 81 x 47 mm

#### Duroplastic (scratch-proof) glossy

ivory	LS 583 A W
white	LS 583 A WW
black	LS 583 A SW

#### matt lacquered

matt snow white	LS 583 A WWM
matt graphite black	LS 583 A SWM

#### metal colours (duroplastic lacquered)

aluminium (lacquered)	AL 2583 A-L
stainless steel (lacquered)	ES 2583 A-L

## Mounting box for surface caps

(Spare part)

1-gang	581 A
2-gang	582 A
3-gang	583 A

## Strain relief

### for surface caps

for cables 3 x 1.5 mm<sup>2</sup> up to 5 x 2.5 mm<sup>2</sup> (Ø 7 up to 13 mm)

58 A ZUG

## Inlets for cables, pipes and trunkings in surface caps

### for cable and mini trunking

ivory	11
white	11 WW
stone grey	11 SG
black	11 SW

### for trunking 15 x 15 mm

ivory	12
white	12 WW
stone grey	12 SG
black	12 SW

### for pipes with outside Ø 16 mm

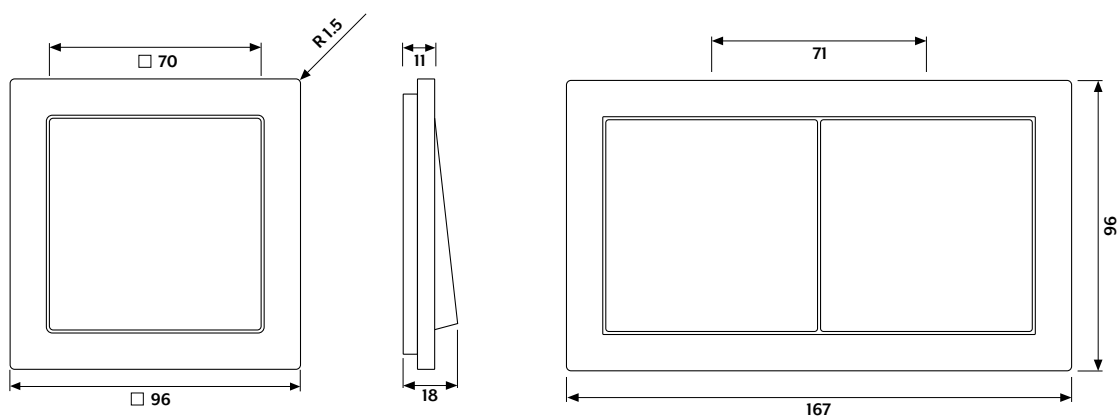
ivory	13
white	13 WW
stone grey	13 SG
black	13 SW



# LS DESIGN



DARK



## Frame edge radius

R 1.5

## Frame dimensions

1-gang	96 mm x 96 mm
2-gang	96 mm x 167 mm
3-gang	96 mm x 238 mm
4-gang	96 mm x 309 mm
5-gang	96 mm x 380 mm

Ref.-no.

**Frame**  
**for horizontal and vertical installation**  
**for LS range**

**Duroplastic (scratch-proof) glossy**  
**ivory**

1-gang	96 x 96 mm	P	LSD 981 W
2-gang	96 x 167 mm	P	LSD 982 W
3-gang	96 x 238 mm	P	LSD 983 W
4-gang	96 x 309 mm	P	LSD 984 W
5-gang	96 x 380 mm	P	LSD 985 W

**Duroplastic (scratch-proof) glossy**  
**white**

1-gang	96 x 96 mm	P	LSD 981 WW
2-gang	96 x 167 mm	P	LSD 982 WW
3-gang	96 x 238 mm	P	LSD 983 WW
4-gang	96 x 309 mm	P	LSD 984 WW
5-gang	96 x 380 mm	P	LSD 985 WW

**Thermoplastic (breakproof) high-gloss**  
**white**

1-gang	96 x 96 mm	L	LSD 981 BF WW
2-gang	96 x 167 mm	L	LSD 982 BF WW
3-gang	96 x 238 mm		LSD 983 BF WW

**Duroplastic (scratch-proof) glossy**  
**light grey**

1-gang	96 x 96 mm	P	LSD 981 LG
2-gang	96 x 167 mm	P	LSD 982 LG
3-gang	96 x 238 mm	P	LSD 983 LG
4-gang	96 x 309 mm	P	LSD 984 LG
5-gang	96 x 380 mm	P	LSD 985 LG

**Duroplastic (scratch-proof) glossy**  
**black**

1-gang	96 x 96 mm		LSD 981 SW
2-gang	96 x 167 mm		LSD 982 SW
3-gang	96 x 238 mm		LSD 983 SW
4-gang	96 x 309 mm		LSD 984 SW
5-gang	96 x 380 mm		LSD 985 SW

**Metal versions**

**aluminium**

1-gang	96 x 96 mm	L	ALD 2981
2-gang	96 x 167 mm	L	ALD 2982
3-gang	96 x 238 mm		ALD 2983

**aluminium (duroplastic lacquered)**

4-gang	96 x 309 mm	P	ALD 2984-L
5-gang	96 x 380 mm	P	ALD 2985-L



# LS range



LS DESIGN



Ref.-no.

## Frame for horizontal and vertical installation for LS range Metal versions

### stainless steel

1-gang	96 x 96 mm	 <b>ESD 2981</b>
2-gang	96 x 167 mm	 <b>ESD 2982</b>
3-gang	96 x 238 mm	<b>ESD 2983</b>

### stainless steel (duroplastic lacquered)

4-gang	96 x 309 mm	<b>ESD 2984-L</b>
5-gang	96 x 380 mm	<b>ESD 2985-L</b>

### anthracite (aluminium lacquered)

1-gang	96 x 96 mm	<b>ALD 2981 AN</b>
2-gang	96 x 167 mm	<b>ALD 2982 AN</b>
3-gang	96 x 238 mm	<b>ALD 2983 AN</b>




### dark (aluminium lacquered)

1-gang	96 x 96 mm	<b>ALD 2981 D</b>
2-gang	96 x 167 mm	<b>ALD 2982 D</b>
3-gang	96 x 238 mm	<b>ALD 2983 D</b>

### chrome

1-gang	96 x 96 mm	<b>GCRD 2981</b>
2-gang	96 x 167 mm	<b>GCRD 2982</b>
3-gang	96 x 238 mm	<b>GCRD 2983</b>

### classic brass

1-gang	96 x 96 mm	 <b>MED 2981 C</b>
2-gang	96 x 167 mm	 <b>MED 2982 C</b>
3-gang	96 x 238 mm	 <b>MED 2983 C</b>

### antique brass

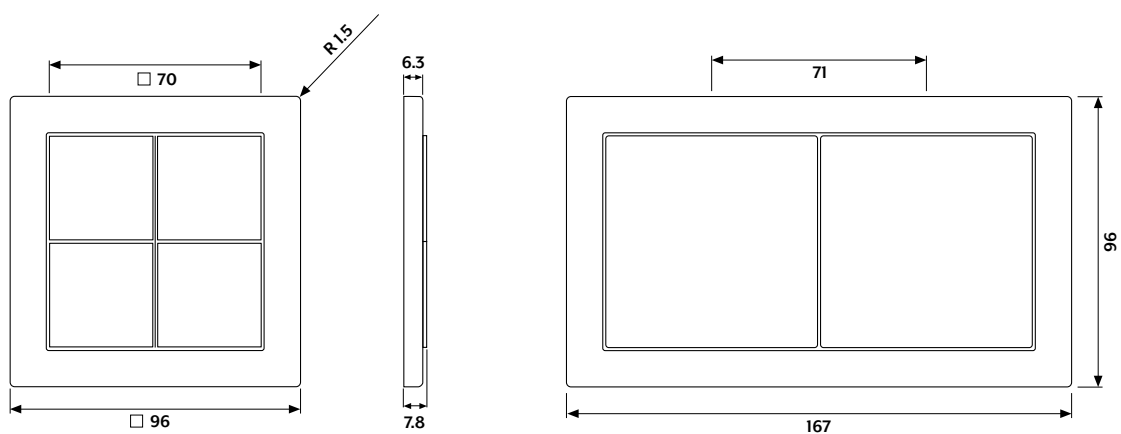
1-gang	96 x 96 mm	<b>MED 2981 AT</b>
2-gang	96 x 167 mm	<b>MED 2982 AT</b>
3-gang	96 x 238 mm	<b>MED 2983 AT</b>



# FLAT DESIGN



ALUMINIUM



## Frame edge radius

R 1.5

## Frame dimensions

1-gang	96 mm x 96 mm
2-gang	96 mm x 167 mm
3-gang	96 mm x 238 mm

# LS range

FLAT DESIGN



Ref.-no.

## Frame



### for horizontal and vertical installation

suitable for:



- Modules F 40 (ref.-no.: 4.. TSM, 4.. TSEM, 4093 KRM TS D)
- Modules F 50 (ref.-no.: LS 5.. TSM, LS 5.. TSEM)
- Sensor module JUNG bus (ref.-no.: SM 1608)
- Smart Radio (ref.-no.: DAB ..)
- Loudspeaker module (ref.-no.: LSM .. 4 ..)
- Modules for door communication (ref.-no.: SI AI .., SI VI .., SI AM .., SI VM .., SI TM ..)

## Thermoplastic (breakproof) high-gloss


### ivory

1-gang	96 x 96 x 6.3 mm	 <b>FD 981 W</b>
2-gang	96 x 167 x 6.3 mm	 <b>FD 982 W</b>
3-gang	96 x 238 x 6.3 mm	<b>FD 983 W</b>



### white

1-gang	96 x 96 x 6.3 mm	 <b>FD 981 WW</b>
2-gang	96 x 167 x 6.3 mm	 <b>FD 982 WW</b>
3-gang	96 x 238 x 6.3 mm	<b>FD 983 WW</b>

### light grey





1-gang	96 x 96 x 6.3 mm	 <b>FD 981 LG</b>
2-gang	96 x 167 x 6.3 mm	 <b>FD 982 LG</b>
3-gang	96 x 238 x 6.3 mm	<b>FD 983 LG</b>

### black

1-gang	96 x 96 x 6.3 mm	 <b>FD 981 SW</b>
2-gang	96 x 167 x 6.3 mm	 <b>FD 982 SW</b>
3-gang	96 x 238 x 6.3 mm	<b>FD 983 SW</b>



## metal versions

### aluminium

1-gang	96 x 96 x 6.3 mm	  <b>FDAL 2981</b>
2-gang	96 x 167 x 6.3 mm	  <b>FDAL 2982</b>
3-gang	96 x 238 x 6.3 mm	 <b>FDAL 2983</b>

Ref.-no.

**Frame**  
for horizontal and vertical installation  
metal versions  
stainless steel

1-gang	96 x 96 x 6.3 mm	 <b>FDES 2981</b>
2-gang	96 x 167 x 6.3 mm	 <b>FDES 2982</b>
3-gang	96 x 238 x 6.3 mm	<b>FDES 2983</b>




**anthracite (aluminium lacquered)**

1-gang	96 x 96 x 6.3 mm	<b>FDAL 2981 AN</b>
2-gang	96 x 167 x 6.3 mm	<b>FDAL 2982 AN</b>
3-gang	96 x 238 x 6.3 mm	<b>FDAL 2983 AN</b>

**dark (aluminium lacquered)**

1-gang	96 x 96 x 6.3 mm	<b>FDAL 2981 D</b>
2-gang	96 x 167 x 6.3 mm	<b>FDAL 2982 D</b>
3-gang	96 x 238 x 6.3 mm	<b>FDAL 2983 D</b>

**classic brass**

1-gang	96 x 96 x 6.3 mm	 <b>FDME 2981 C</b>
2-gang	96 x 167 x 6.3 mm	 <b>FDME 2982 C</b>
3-gang	96 x 238 x 6.3 mm	 <b>FDME 2983 C</b>

**antique brass**

1-gang	96 x 96 x 6.3 mm	<b>FDME 2981 AT</b>
2-gang	96 x 167 x 6.3 mm	<b>FDME 2982 AT</b>
3-gang	96 x 238 x 6.3 mm	<b>FDME 2983 AT</b>

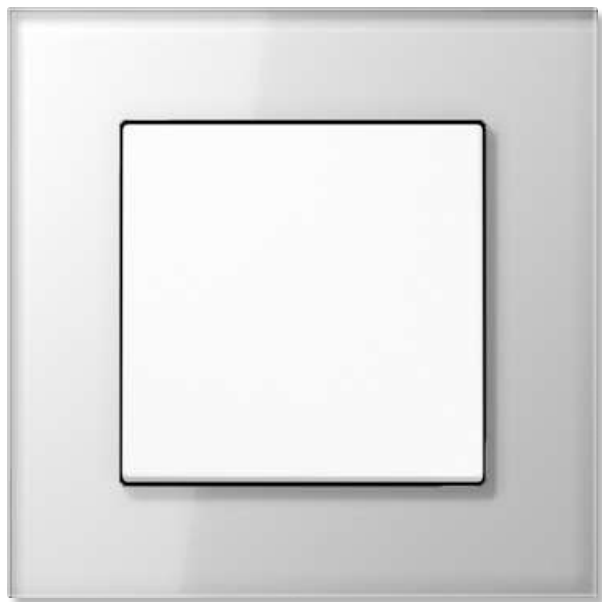
**Intermediate frame**

for the installation of SCHUKO® sockets and other devices of the LS range  
(except switch/push-button inserts, centre plates .. 1561/1565.07 .., radio transmitter modules,  
devices with LED floor pilot light) into the frames FD.. 981.. – FD.. 983..

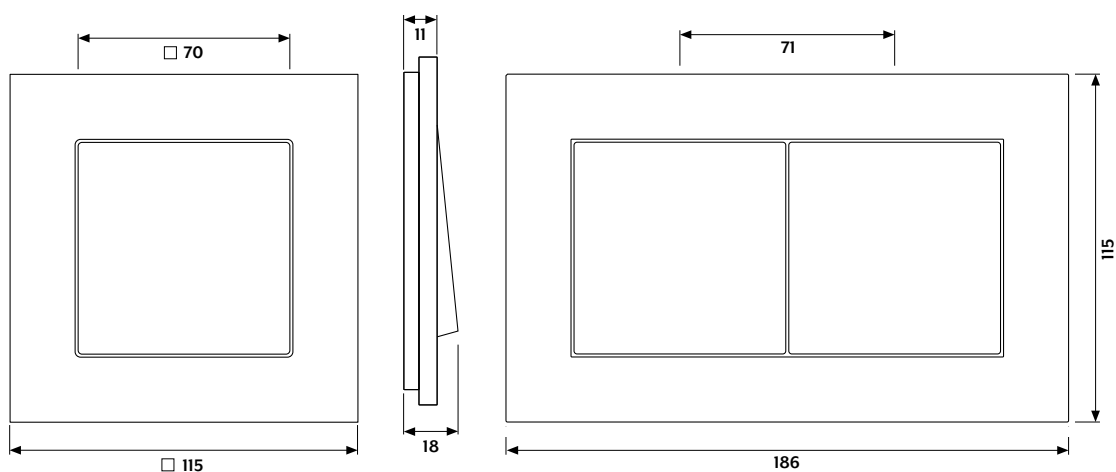
**FD 981 Z**



# LS PLUS



WHITE WITH GLASS FRAME



## Frame edge radius








Fase 0.5 x 45°

## Frame dimensions



1-gang	115 mm x 115 mm
2-gang	115 mm x 186 mm
3-gang	115 mm x 257 mm
4-gang	115 mm x 328 mm
5-gang	115 mm x 399 mm

Ref.-no.

**Frame**  
**for horizontal and vertical installation**  
**for LS range**  
**aluminium**

1-gang	115 x 115 mm	  <b>LSP 981 AL</b>
2-gang	115 x 186 mm	  <b>LSP 982 AL</b>
3-gang	115 x 257 mm	 <b>LSP 983 AL</b>
4-gang	115 x 328 mm	 <b>LSP 984 AL</b>
5-gang	115 x 399 mm	 <b>LSP 985 AL</b>

**stainless steel**

1-gang	115 x 115 mm	 <b>LSP 981 ES</b>
2-gang	115 x 186 mm	 <b>LSP 982 ES</b>
3-gang	115 x 257 mm	<b>LSP 983 ES</b>
4-gang	115 x 328 mm	<b>LSP 984 ES</b>
5-gang	115 x 399 mm	<b>LSP 985 ES</b>

**chrome**

1-gang	115 x 115 mm	<b>LSP 981 GCR</b>
2-gang	115 x 186 mm	<b>LSP 982 GCR</b>
3-gang	115 x 257 mm	<b>LSP 983 GCR</b>
4-gang	115 x 328 mm	<b>LSP 984 GCR</b>
5-gang	115 x 399 mm	<b>LSP 985 GCR</b>

**Glass frame**  
**for horizontal and vertical installation**  
**for LS range**

**soft white**

1-gang	115 x 115 mm	<b>LSP 981 GLAS</b>
2-gang	115 x 186 mm	<b>LSP 982 GLAS</b>
3-gang	115 x 257 mm	<b>LSP 983 GLAS</b>
4-gang	115 x 328 mm	<b>LSP 984 GLAS</b>
5-gang	115 x 399 mm	<b>LSP 985 GLAS</b>

**white**

1-gang	115 x 115 mm	<b>LSP 981 GL WW</b>
2-gang	115 x 186 mm	<b>LSP 982 GL WW</b>
3-gang	115 x 257 mm	<b>LSP 983 GL WW</b>
4-gang	115 x 328 mm	<b>LSP 984 GL WW</b>
5-gang	115 x 399 mm	<b>LSP 985 GL WW</b>

**black**

1-gang	115 x 115 mm	<b>LSP 981 GL SW</b>
2-gang	115 x 186 mm	<b>LSP 982 GL SW</b>
3-gang	115 x 257 mm	<b>LSP 983 GL SW</b>
4-gang	115 x 328 mm	<b>LSP 984 GL SW</b>
5-gang	115 x 399 mm	<b>LSP 985 GL SW</b>

**Metal adapter**  
**for rectangular Italian wall boxes**

**1980 APM**





Each of the 63 Les Couleurs® Le Corbusier colours can be combined with any other in the system. To form the particular colour depth, the components are hand-painted using a special process. This produces the matt surface.



Detailed information on Le Corbusier's unique colour system, design data sheets for the LS 990 in Les Couleurs® Le Corbusier and more can be found on our website [jung.de/lc](http://jung.de/lc)

# Les Couleurs® Le Corbusier



**4320M LE RUBIS**

The unique colour system “Polychromie Architecturale” from Le Corbusier still captivates today due to its remarkable combination capability and impressive colour depth. Exclusively throughout the world, JUNG is providing its classic LS 990 design in the 63 Les Couleurs® Le Corbusier colours.

# LS range

Le Corbusier



Ref.-no.

## 1-gang rocker

for switch insert ref.-no.: 501 U, 502 U, 503 U, 506 U, 507 U, 501-20 U, 506-20 U, 507-20 U

for push switch insert ref.-no.: 502 TU, 506 TU, 507 TU

for push-button insert ref.-no.: 531 U, 532 U, 533 U, 533-2 U

for multi switch insert ref.-no.: 531-41 U

## Duroplastic lacquered

bleu céruléen 31	LC 990 32030
------------------	--------------

vert foncé	LC 990 32050
------------	--------------

rouge vermillon 31	LC 990 32090
--------------------	--------------

terre sienne brique	LC 990 32121
---------------------	--------------

ombre naturelle 31	LC 990 32140
--------------------	--------------

ombre naturelle claire	LC 990 32142
------------------------	--------------

rouge vermillon 59	LC 990 4320A
--------------------	--------------

terre sienne brûlée 59	LC 990 4320D
------------------------	--------------

vert olive vif	LC 990 4320F
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terre d'ombre brûlée 59	LC 990 4320J
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bleu outremer 59	LC 990 4320K
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le rubis	LC 990 4320M
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ombre naturelle 59	LC 990 4320R
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orange vif	LC 990 4320S
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bleu outremer foncé	LC 990 4320T
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Delivery time: please inquire for exact date

## 1-gang rocker with lens

for switch insert with indicator light

ref.-no.: 502 KOU, 503 KOU, 506 KOU, 501-20 KOU, 502-20 KOU, 506-20 KOU

for push switch insert with indicator light ref.-no.: 502 KOTU, 506 KOTU

for push-button insert ref.-no.: 531 U, 533 U, 533-2 U, 534 U

## Duroplastic lacquered

bleu céruléen 31	LC 990 KO5 32030
------------------	------------------

vert foncé	LC 990 KO5 32050
------------	------------------

rouge vermillon 31	LC 990 KO5 32090
--------------------	------------------

terre sienne brique	LC 990 KO5 32121
---------------------	------------------

ombre naturelle 31	LC 990 KO5 32140
--------------------	------------------

ombre naturelle claire	LC 990 KO5 32142
------------------------	------------------

rouge vermillon 59	LC 990 KO5 4320A
--------------------	------------------

terre sienne brûlée 59	LC 990 KO5 4320D
------------------------	------------------

vert olive vif	LC 990 KO5 4320F
----------------	------------------

terre d'ombre brûlée 59	LC 990 KO5 4320J
-------------------------	------------------

bleu outremer 59	LC 990 KO5 4320K
------------------	------------------

le rubis	LC 990 KO5 4320M
----------	------------------

ombre naturelle 59	LC 990 KO5 4320R
--------------------	------------------

orange vif	LC 990 KO5 4320S
------------	------------------

bleu outremer foncé	LC 990 KO5 4320T
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Delivery time: please inquire for exact date



Ref.-no.

## 2-gang rocker

for switch insert ref.-no.: 505 U, 509 U

for push switch insert ref.-no.: 505 TU, 509 TU

for push-button insert ref.-no.: 535 U, 539 U

for multi switch insert ref.-no.: 532-4 U

## Duroplastic lacquered

bleu céruléen 31	LC 995 32030
vert foncé	LC 995 32050
rouge vermillon 31	LC 995 32090
terre sienne brique	LC 995 32121
ombre naturelle 31	LC 995 32140
ombre naturelle claire	LC 995 32142
rouge vermillon 59	LC 995 4320A
terre sienne brûlée 59	LC 995 4320D
vert olive vif	LC 995 4320F
terre d'ombre brûlée 59	LC 995 4320J
bleu outremer 59	LC 995 4320K
le rubis	LC 995 4320M
ombre naturelle 59	LC 995 4320R
orange vif	LC 995 4320S
bleu outremer foncé	LC 995 4320T

Delivery time: please inquire for exact date

## SCHUKO® socket 16 A / 250 V ~

### with enhanced contact protection (shutter)

screwless terminals for wires up to 2.5 mm<sup>2</sup>

without claws: ref.-no. with additional "N", e.g.: ..1520 N..

Supporting frame, claws and claw screws are integrated into the earth protection.

## Duroplastic lacquered

bleu céruléen 31	LC 1520 KI 32030
vert foncé	LC 1520 KI 32050
rouge vermillon 31	LC 1520 KI 32090
terre sienne brique	LC 1520 KI 32121
ombre naturelle 31	LC 1520 KI 32140
ombre naturelle claire	LC 1520 KI 32142
rouge vermillon 59	LC 1520 KI 4320A
terre sienne brûlée 59	LC 1520 KI 4320D
vert olive vif	LC 1520 KI 4320F
terre d'ombre brûlée 59	LC 1520 KI 4320J
bleu outremer 59	LC 1520 KI 4320K
le rubis	LC 1520 KI 4320M
ombre naturelle 59	LC 1520 KI 4320R
orange vif	LC 1520 KI 4320S
bleu outremer foncé	LC 1520 KI 4320T

Delivery time: please inquire for exact date



# LS range

Le Corbusier



Ref.-no.

## SCHUKO® socket 16 A / 250 V ~

with hinged lid (with spring)

with enhanced contact protection (shutter)

screwless terminals for wires up to 2.5 mm<sup>2</sup>

without claws: ref.-no. with additional "N", e.g.: ..1520 N..

Supporting frame, claws and claw screws are integrated into the earth protection.

### Duroplastic lacquered

bleu céruléen 31	LC 1520 KIKL 32030
vert foncé	LC 1520 KIKL 32050
rouge vermillon 31	LC 1520 KIKL 32090
terre sienne brique	LC 1520 KIKL 32121
ombre naturelle 31	LC 1520 KIKL 32140
ombre naturelle claire	LC 1520 KIKL 32142
rouge vermillon 59	LC 1520 KIKL 4320A
terre sienne brûlée 59	LC 1520 KIKL 4320D
vert olive vif	LC 1520 KIKL 4320F
terre d'ombre brûlée 59	LC 1520 KIKL 4320J
bleu outremer 59	LC 1520 KIKL 4320K
le rubis	LC 1520 KIKL 4320M
ombre naturelle 59	LC 1520 KIKL 4320R
orange vif	LC 1520 KIKL 4320S
bleu outremer foncé	LC 1520 KIKL 4320T

Delivery time: please inquire for exact date

## Socket, French/Belgian system

2-pole + male earth pin, 16 A / 250 V ~

with enhanced contact protection (shutter)

screwless terminals for wires up to 2.5 mm<sup>2</sup>

Supporting frame is integrated into the earth protection.

### Duroplastic lacquered

bleu céruléen 31	LC 1520 NFKI 32030
vert foncé	LC 1520 NFKI 32050
rouge vermillon 31	LC 1520 NFKI 32090
terre sienne brique	LC 1520 NFKI 32121
ombre naturelle 31	LC 1520 NFKI 32140
ombre naturelle claire	LC 1520 NFKI 32142
rouge vermillon 59	LC 1520 NFKI 4320A
terre sienne brûlée 59	LC 1520 NFKI 4320D
vert olive vif	LC 1520 NFKI 4320F
terre d'ombre brûlée 59	LC 1520 NFKI 4320J
bleu outremer 59	LC 1520 NFKI 4320K
le rubis	LC 1520 NFKI 4320M
ombre naturelle 59	LC 1520 NFKI 4320R
orange vif	LC 1520 NFKI 4320S
bleu outremer foncé	LC 1520 NFKI 4320T

with screw terminals on request

Ref.-no.

## Centre plate

for socket insert ref.-no. 3521 EINS

### Duroplastic lacquered

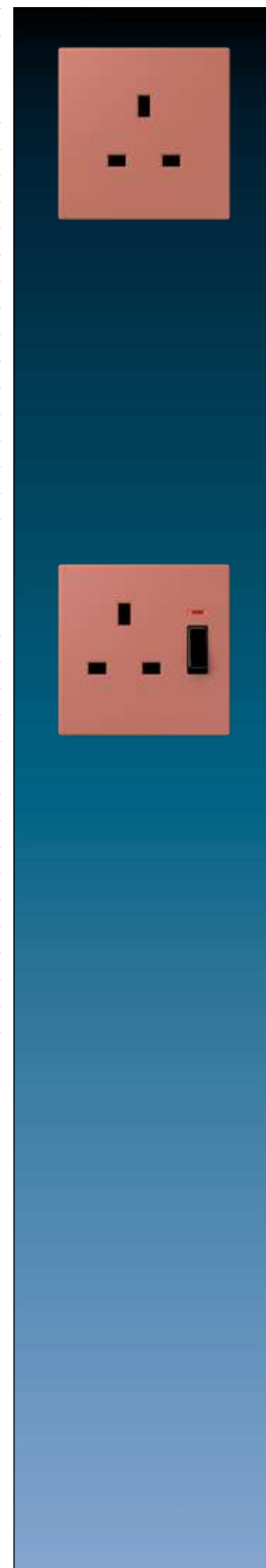
bleu céruleen 31	LC 2521 P 32030
vert foncé	LC 2521 P 32050
rouge vermillon 31	LC 2521 P 32090
terre sienne brique	LC 2521 P 32121
ombre naturelle 31	LC 2521 P 32140
ombre naturelle claire	LC 2521 P 32142
rouge vermillon 59	LC 2521 P 4320A
terre sienne brûlée 59	LC 2521 P 4320D
vert olive vif	LC 2521 P 4320F
terre d'ombre brûlée 59	LC 2521 P 4320J
bleu outremer 59	LC 2521 P 4320K
le rubis	LC 2521 P 4320M
ombre naturelle 59	LC 2521 P 4320R
orange vif	LC 2521 P 4320S
bleu outremer foncé	LC 2521 P 4320T

## Centre plate

for socket insert ref.-no. 3171 KO EINS

### Duroplastic lacquered

bleu céruleen 31	LC 2171 KO P 32030
vert foncé	LC 2171 KO P 32050
rouge vermillon 31	LC 2171 KO P 32090
terre sienne brique	LC 2171 KO P 32121
ombre naturelle 31	LC 2171 KO P 32140
ombre naturelle claire	LC 2171 KO P 32142
rouge vermillon 59	LC 2171 KO P 4320A
terre sienne brûlée 59	LC 2171 KO P 4320D
vert olive vif	LC 2171 KO P 4320F
terre d'ombre brûlée 59	LC 2171 KO P 4320J
bleu outremer 59	LC 2171 KO P 4320K
le rubis	LC 2171 KO P 4320M
ombre naturelle 59	LC 2171 KO P 4320R
orange vif	LC 2171 KO P 4320S
bleu outremer foncé	LC 2171 KO P 4320T



# LS range

Le Corbusier



Ref.-no.

## Centre plate

for socket insert ref.-no. 3171-5 EINS

### Duroplastic lacquered

bleu céruléen 31	LC 2171-5 P 32030
vert foncé	LC 2171-5 P 32050
rouge vermillon 31	LC 2171-5 P 32090
terre sienne brique	LC 2171-5 P 32121
ombre naturelle 31	LC 2171-5 P 32140
ombre naturelle claire	LC 2171-5 P 32142
rouge vermillon 59	LC 2171-5 P 4320A
terre sienne brûlée 59	LC 2171-5 P 4320D
vert olive vif	LC 2171-5 P 4320F
terre d'ombre brûlée 59	LC 2171-5 P 4320J
bleu outremer 59	LC 2171-5 P 4320K
le rubis	LC 2171-5 P 4320M
ombre naturelle 59	LC 2171-5 P 4320R
orange vif	LC 2171-5 P 4320S
bleu outremer foncé	LC 2171-5 P 4320T

## Centre plate

for Chinese socket combination, ref.-no. 3521-5 CN EINS

### Duroplastic lacquered

bleu céruléen 31	LC 35215 CNP 32030
vert foncé	LC 35215 CNP 32050
rouge vermillon 31	LC 35215 CNP 32090
terre sienne brique	LC 35215 CNP 32121
ombre naturelle 31	LC 35215 CNP 32140
ombre naturelle claire	LC 35215 CNP 32142
rouge vermillon 59	LC 35215 CNP 4320A
terre sienne brûlée 59	LC 35215 CNP 4320D
vert olive vif	LC 35215 CNP 4320F
terre d'ombre brûlée 59	LC 35215 CNP 4320J
bleu outremer 59	LC 35215 CNP 4320K
le rubis	LC 35215 CNP 4320M
ombre naturelle 59	LC 35215 CNP 4320R
orange vif	LC 35215 CNP 4320S
bleu outremer foncé	LC 35215 CNP 4320T

Ref.-no.

## Socket for Switzerland

### 1-gang socket type 13

10 A 250 V ~, L + N + PE

screwless terminals for wires up to 2.5 mm<sup>2</sup> acc. to SEV 1011-1998/IEC 884-1

Installation in flush box according to EN 60670-1

not suitable for installation in surface caps

with supporting frame, screw fixing only

### Duroplastic lacquered

bleu céruleen 31	LC 1520-13-32030
vert foncé	LC 1520-13-32050
rouge vermillon 31	LC 1520-13-32090
terre sienne brique	LC 1520-13-32121
ombre naturelle 31	LC 1520-13-32140
ombre naturelle claire	LC 1520-13-32142
rouge vermillon 59	LC 1520-13-4320A
terre sienne brûlée 59	LC 1520-13-4320D
vert olive vif	LC 1520-13-4320F
terre d'ombre brûlée 59	LC 1520-13-4320J
bleu outremer 59	LC 1520-13-4320K
le rubis	LC 1520-13-4320M
ombre naturelle 59	LC 1520-13-4320R
orange vif	LC 1520-13-4320S
bleu outremer foncé	LC 1520-13-4320T

Delivery time: please inquire for exact date

## Centre plate with knob

for rotary dimmer inserts ref.-no.: 1730 DD, 1731 DD, 211 GDE

for satellite dimmer insert ref.-no.: 1733 DNE

for electronic potentiometer 1 – 10 V ref.-no.: 240-10

for DALI rotary controllers ref.-no.: 1740 DSTE, 1741 DSTE

### Duroplastic lacquered

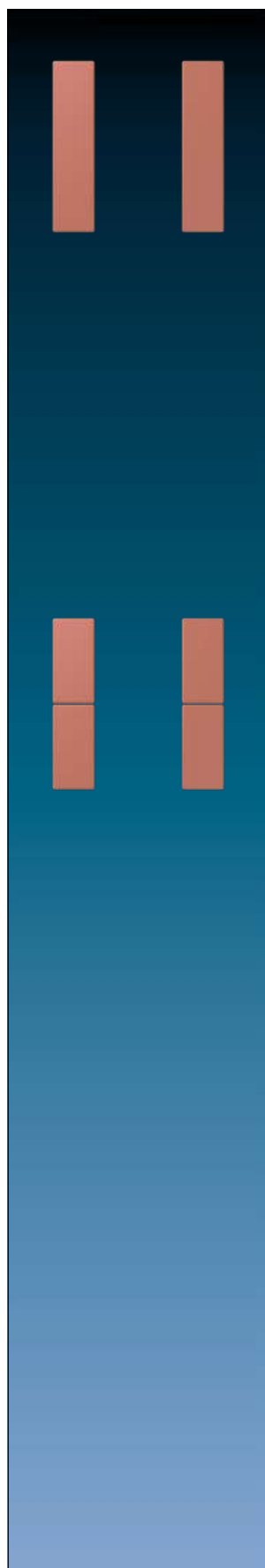
bleu céruleen 31	LC 1940 32030
vert foncé	LC 1940 32050
rouge vermillon 31	LC 1940 32090
terre sienne brique	LC 1940 32121
ombre naturelle 31	LC 1940 32140
ombre naturelle claire	LC 1940 32142
rouge vermillon 59	LC 1940 4320A
terre sienne brûlée 59	LC 1940 4320D
vert olive vif	LC 1940 4320F
terre d'ombre brûlée 59	LC 1940 4320J
bleu outremer 59	LC 1940 4320K
le rubis	LC 1940 4320M
ombre naturelle 59	LC 1940 4320R
orange vif	LC 1940 4320S
bleu outremer foncé	LC 1940 4320T

Delivery time: please inquire for exact date



# LS range

Le Corbusier



Ref.-no.

## Cover kit 1-gang

to clip on F 50 push-button modules 1-gang of the LS range

ref.-no.: LS 5071 TSM, LS 5091 TSM, LS 5091 TSEM, LS 5071 RF TSM, LS 5212 TSM, FM LS 5001 M

### Thermoplastic (breakproof) lacquered

bleu céruléen 31	LC 501 TSA 32030
vert foncé	LC 501 TSA 32050
rouge vermillon 31	LC 501 TSA 32090
terre sienne brique	LC 501 TSA 32121
ombre naturelle 31	LC 501 TSA 32140
ombre naturelle claire	LC 501 TSA 32142
rouge vermillon 59	LC 501 TSA 4320A
terre sienne brûlée 59	LC 501 TSA 4320D
vert olive vif	LC 501 TSA 4320F
terre d'ombre brûlée 59	LC 501 TSA 4320J
bleu outremer 59	LC 501 TSA 4320K
le rubis	LC 501 TSA 4320M
ombre naturelle 59	LC 501 TSA 4320R
orange vif	LC 501 TSA 4320S
bleu outremer foncé	LC 501 TSA 4320T

Delivery time: please inquire for exact date

## Cover kit 2-gang

to clip on F 50 push-button modules 2-gang of the LS range

ref.-no.: LS 5072 TSM, LS 5092 TSM, LS 5092 TSEM, LS 5178 TSM, LS 5192 KRM TS D, LS 5178 TSEM, LS 5072 RF TSM, LS 5224 TSM, FM LS 5002 M

### Thermoplastic (breakproof) lacquered

bleu céruléen 31	LC 502 TSA 32030
vert foncé	LC 502 TSA 32050
rouge vermillon 31	LC 502 TSA 32090
terre sienne brique	LC 502 TSA 32121
ombre naturelle 31	LC 502 TSA 32140
ombre naturelle claire	LC 502 TSA 32142
rouge vermillon 59	LC 502 TSA 4320A
terre sienne brûlée 59	LC 502 TSA 4320D
vert olive vif	LC 502 TSA 4320F
terre d'ombre brûlée 59	LC 502 TSA 4320J
bleu outremer 59	LC 502 TSA 4320K
le rubis	LC 502 TSA 4320M
ombre naturelle 59	LC 502 TSA 4320R
orange vif	LC 502 TSA 4320S
bleu outremer foncé	LC 502 TSA 4320T

Delivery time: please inquire for exact date

Ref.-no.

## Cover kit 3-gang

to clip on F 50 push-button modules 3-gang of the LS range  
ref.-no.: LS 5073 TSM, LS 5093 TSM, LS 5093 TSEM, LS 5073 RF TSM,  
LS 5236 TSM, FM LS 5003 M, SI TM LS 5073, SI TM LS 5093

### Thermoplastic (breakproof) lacquered

bleu céruléen 31	LC 503 TSA 32030
vert foncé	LC 503 TSA 32050
rouge vermillon 31	LC 503 TSA 32090
terre sienne brique	LC 503 TSA 32121
ombre naturelle 31	LC 503 TSA 32140
ombre naturelle claire	LC 503 TSA 32142
rouge vermillon 59	LC 503 TSA 4320A
terre sienne brûlée 59	LC 503 TSA 4320D
vert olive vif	LC 503 TSA 4320F
terre d'ombre brûlée 59	LC 503 TSA 4320J
bleu outremer 59	LC 503 TSA 4320K
le rubis	LC 503 TSA 4320M
ombre naturelle 59	LC 503 TSA 4320R
orange vif	LC 503 TSA 4320S
bleu outremer foncé	LC 503 TSA 4320T

Delivery time: please inquire for exact date

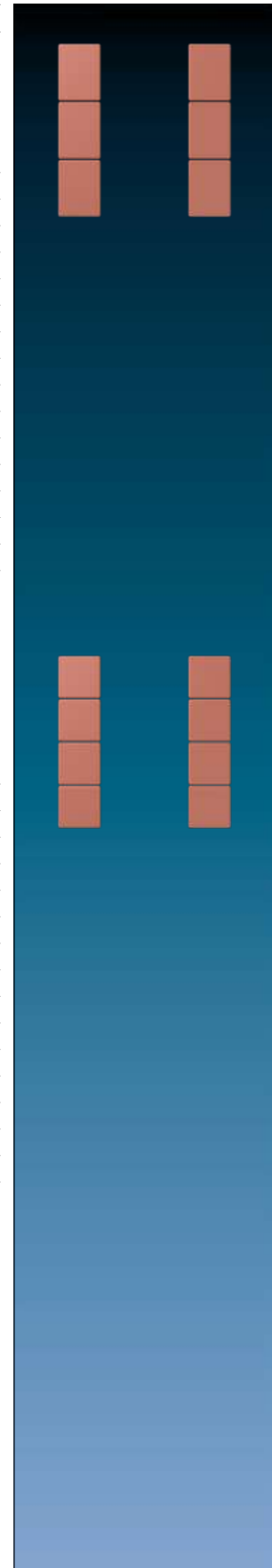
## Cover kit 4-gang

to clip on F 50 push-button modules 4-gang of the LS range  
ref.-no.: LS 5074 TSM, LS 5094 TSM, LS 5094 TSEM, LS 5194 KRM TS D,  
LS 5074 RF TSM, LS 5248 TSM, FM LS 5004 M

### Thermoplastic (breakproof) lacquered

bleu céruléen 31	LC 504 TSA 32030
vert foncé	LC 504 TSA 32050
rouge vermillon 31	LC 504 TSA 32090
terre sienne brique	LC 504 TSA 32121
ombre naturelle 31	LC 504 TSA 32140
ombre naturelle claire	LC 504 TSA 32142
rouge vermillon 59	LC 504 TSA 4320A
terre sienne brûlée 59	LC 504 TSA 4320D
vert olive vif	LC 504 TSA 4320F
terre d'ombre brûlée 59	LC 504 TSA 4320J
bleu outremer 59	LC 504 TSA 4320K
le rubis	LC 504 TSA 4320M
ombre naturelle 59	LC 504 TSA 4320R
orange vif	LC 504 TSA 4320S
bleu outremer foncé	LC 504 TSA 4320T

Delivery time: please inquire for exact date



# LS range

Le Corbusier



Ref.-no.

## Neutral cover

to clip on F 50 push-button modules of the LS range  
ref.-no.: LS 507.. TSM, LS 509.. TSM, LS 509.. TSEM, LS 5178 TSM,  
LS 5178 TSEM, LS 507.. RF TSM, LS 52.. TSM, FM LS 50.. M  
dimensions: 33 x 70.5 mm

## Thermoplastic (breakproof) lacquered

bleu céruléen 31	LC 50 NA 32030
vert foncé	LC 50 NA 32050
rouge vermillon 31	LC 50 NA 32090
terre sienne brique	LC 50 NA 32121
ombre naturelle 31	LC 50 NA 32140
ombre naturelle claire	LC 50 NA 32142
rouge vermillon 59	LC 50 NA 4320A
terre sienne brûlée 59	LC 50 NA 4320D
vert olive vif	LC 50 NA 4320F
terre d'ombre brûlée 59	LC 50 NA 4320J
bleu outremer 59	LC 50 NA 4320K
le rubis	LC 50 NA 4320M
ombre naturelle 59	LC 50 NA 4320R
orange vif	LC 50 NA 4320S
bleu outremer foncé	LC 50 NA 4320T

Delivery time: please inquire for exact date

## Frame, 1-gang for horizontal and vertical installation

81 x 81 x 11 mm

## Duroplastic lacquered

bleu céruléen 31	LC 981 32030
vert foncé	LC 981 32050
rouge vermillon 31	LC 981 32090
terre sienne brique	LC 981 32121
ombre naturelle 31	LC 981 32140
ombre naturelle claire	LC 981 32142
rouge vermillon 59	LC 981 4320A
terre sienne brûlée 59	LC 981 4320D
vert olive vif	LC 981 4320F
terre d'ombre brûlée 59	LC 981 4320J
bleu outremer 59	LC 981 4320K
le rubis	LC 981 4320M
ombre naturelle 59	LC 981 4320R
orange vif	LC 981 4320S
bleu outremer foncé	LC 981 4320T

Delivery time: please inquire for exact date



Ref.-no.

## Frame, 2-gang

### for horizontal and vertical installation

81 x 152 x 11 mm

#### Duroplastic lacquered

bleu céruléen 31	LC 982 32030
vert foncé	LC 982 32050
rouge vermillon 31	LC 982 32090
terre sienne brique	LC 982 32121
ombre naturelle 31	LC 982 32140
ombre naturelle claire	LC 982 32142
rouge vermillon 59	LC 982 4320A
terre sienne brûlée 59	LC 982 4320D
vert olive vif	LC 982 4320F
terre d'ombre brûlée 59	LC 982 4320J
bleu outremer 59	LC 982 4320K
le rubis	LC 982 4320M
ombre naturelle 59	LC 982 4320R
orange vif	LC 982 4320S
bleu outremer foncé	LC 982 4320T

Delivery time: please inquire for exact date

## Frame, 3-gang

### for horizontal and vertical installation

81 x 223 x 11 mm

#### Duroplastic lacquered

bleu céruléen 31	LC 983 32030
vert foncé	LC 983 32050
rouge vermillon 31	LC 983 32090
terre sienne brique	LC 983 32121
ombre naturelle 31	LC 983 32140
ombre naturelle claire	LC 983 32142
rouge vermillon 59	LC 983 4320A
terre sienne brûlée 59	LC 983 4320D
vert olive vif	LC 983 4320F
terre d'ombre brûlée 59	LC 983 4320J
bleu outremer 59	LC 983 4320K
le rubis	LC 983 4320M
ombre naturelle 59	LC 983 4320R
orange vif	LC 983 4320S
bleu outremer foncé	LC 983 4320T

Delivery time: please inquire for exact date



# LS ZERO

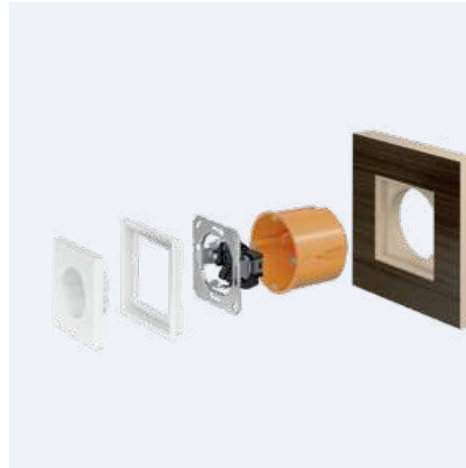
LS ZERO is the flush advancement of the LS 990 classic switch. Masonry, dry wall or furniture installation – thanks to the planar installation, the control element connects closely with its installation location. Elegant in white, precious metal colours or the Le Corbusier colours.



# Mounting types

## FURNITURE INSTALLATION

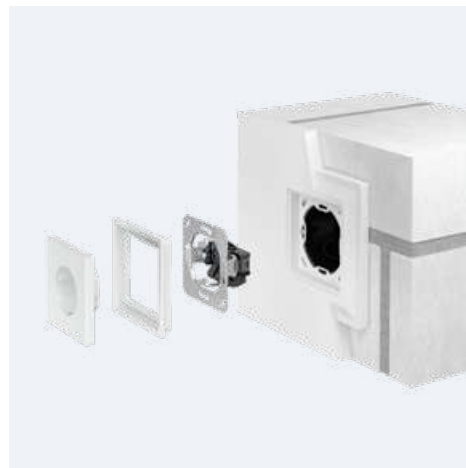
After milling the cut-out, commercially available cavity wall boxes are used to install the desired insert, the LS ZERO frame and the cover flush with the surface. The drawing data are available for download at [jung.de/lzero](http://jung.de/lzero).



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## MASONRY

With this type of installation, the plastering adapter creates a material connection with the plaster. The use of the supplied plastering cover makes neat plastering easier. The installation is performed in commercially available flush-mounting boxes.



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## DRY WALL

The prerequisite is a double board layer in the drywall. Commercially available cavity wall boxes are used; the plastering adapter has the same height as a plasterboard and also here allows the form-fit and material locking with the surface.



Mounting videos at [jung.de/lzero](http://jung.de/lzero)

# LS range

LS ZERO



Ref.-no.

## Frame for horizontal and vertical installation for LS range

1-gang 81 x 81 mm

2-gang 81 x 152 mm

3-gang 81 x 223 mm

for the installation of devices and covers of the LS range into the plastering frame ref.-no.: PA 98..

## Thermoplastic (breakproof) high-gloss white

1-gang	81 x 81 mm	<b>LSZ 981 BF WW</b>
2-gang	81 x 152 mm	<b>LSZ 982 BF WW</b>
3-gang	81 x 223 mm	<b>LSZ 983 BF WW</b>

## matt lacquered matt snow white

1-gang	81 x 81 mm	<b>LSZ 981 BF WWM</b>
2-gang	81 x 152 mm	<b>LSZ 982 BF WWM</b>
3-gang	81 x 223 mm	<b>LSZ 983 BF WWM</b>

## matt graphite black

1-gang	81 x 81 mm	<b>LSZ 981 BF SWM</b>
2-gang	81 x 152 mm	<b>LSZ 982 BF SWM</b>
3-gang	81 x 223 mm	<b>LSZ 983 BF SWM</b>

## Thermoplastic (breakproof) lacquered aluminium

1-gang	81 x 81 mm	<b>LSZ AL 981 BF</b>
2-gang	81 x 152 mm	<b>LSZ AL 982 BF</b>
3-gang	81 x 223 mm	<b>LSZ AL 983 BF</b>

## stainless steel

1-gang	81 x 81 mm	<b>LSZ ES 981 BF</b>
2-gang	81 x 152 mm	<b>LSZ ES 982 BF</b>
3-gang	81 x 223 mm	<b>LSZ ES 983 BF</b>

Ref.-no.

## Frame

### for horizontal and vertical installation

#### for LS range

1-gang 81 x 81 mm

2-gang 81 x 152 mm

3-gang 81 x 223 mm

for the installation of devices and covers of the LS range into the plastering frame ref.-no.: PA 98..

#### dark

1-gang	81 x 81 mm	<b>LSZ AL 981 BF D</b>
2-gang	81 x 152 mm	<b>LSZ AL 982 BF D</b>
3-gang	81 x 223 mm	<b>LSZ AL 983 BF D</b>

#### classic brass

1-gang	81 x 81 mm	<b>LSZ ME 981 BF C</b>
2-gang	81 x 152 mm	<b>LSZ ME 982 BF C</b>
3-gang	81 x 223 mm	<b>LSZ ME 983 BF C</b>

### Les Couleurs® Le Corbusier on request

## Plastering frame

for the flush-mounting installation of devices and covers of the LS range

into flush box according to EN 60670-1

suitable for plaster or plasterboard thickness of 12.5 mm

for horizontal and vertical installation

including plaster aid

1-gang	130 x 130 x 12.5 mm	<b>PA 981 G 125-0</b>
2-gang	130 x 201 x 12.5 mm	<b>PA 982 G 125-0</b>
3-gang	130 x 272 x 12.5 mm	<b>PA 983 G 125-0</b>

## Plastering frame

for a 3 mm flush installation of devices and covers of the LS range

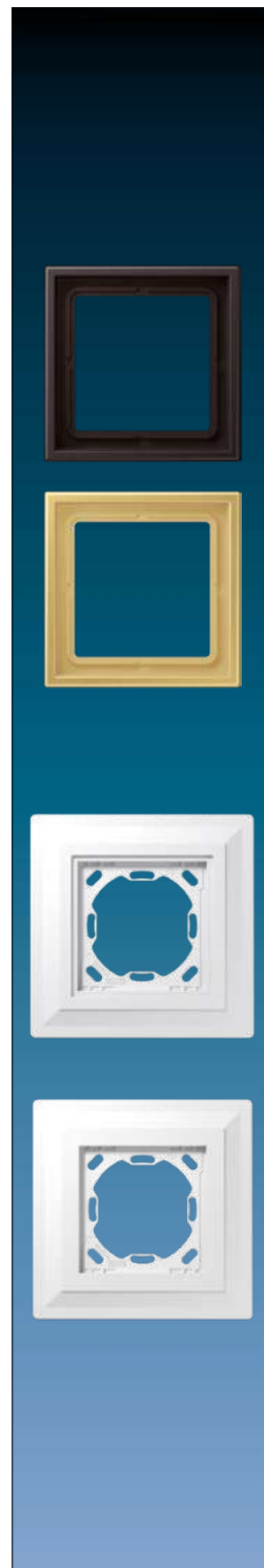
into flush box according to EN 60670-1 (3 mm structure height on the wall)

suitable for plaster or plasterboard thickness of 12.5 mm

for horizontal and vertical installation

including plaster aid

1-gang	130 x 130 x 12.5 mm	<b>PA 981 G 125-3</b>
2-gang	130 x 201 x 12.5 mm	<b>PA 982 G 125-3</b>
3-gang	130 x 272 x 12.5 mm	<b>PA 983 G 125-3</b>



# Design language



## Metal designs:

Aluminium  
AlMg1 natural, matt etched

Stainless steel  
1.4303 X4 CrNi 18-12 blasted with glass beads

Dark (varnished aluminium)

Chrome (chrome-plated metal)

Brass  
CuZn37, bright, hand-brushed,  
240 grain, clear varnish on both sides  
(corrosion protection)

Detailed information on JUNG's LS 1912, design data sheets and more can be found on our website [jung.de/LS1912](http://jung.de/LS1912)

# LS 1912

LS 1912 IN ALUMINIUM WITH CYLINDRICAL TOGGLE LEVER



*LS1912<sup>®</sup>*

Based on the JUNG switches of the early years, the rocker switch LS 1912 gives the mechanics of the switch a completely new feel. The switchgear is designed so that the cover sits flush with the frame. Only the toggle lever stands out from the unit as a style element.

# LS range

LS 1912



	Ref.-no.
<b>1-gang toggle switch insert 10 AX / 250 V ~</b> screwless terminals for wires up to 2.5 mm <sup>2</sup> screw fixing only, without claws installation into flush box min. 63 mm (depth)	
1-pole, 1-way	<b>K 501 EU</b>
1-pole, 2-way	<b>K 506 EU</b>
intermediate	<b>K 507 EU</b>
for centre plates with toggle lever ref.-no.: ..12-0.., ..12-200.., ..12-20..	
<b>1-gang toggle switch insert with indicator light 10 AX / 250 V ~</b> screwless terminals for wires up to 2.5 mm <sup>2</sup> screw fixing only, without claws Neutral conductor required with LED lamp installation into flush box min. 63 mm (depth)	
1-pole, 2-way	<b>K 506 KO EU</b>
for centre plates with toggle lever ref.-no.: ..12-0 KO..	
<b>1-gang toggle push-button insert 10 A / 250 V ~</b> screwless terminals for wires up to 2.5 mm <sup>2</sup> screw fixing only, without claws installation into flush box min. 63 mm (depth)	
1-pole, 1-way (NO contact)	<b>K 531 EU</b>
1-pole, 2-way with terminal for N conductor	<b>K 533 EU</b>
for centre plates with toggle lever ref.-no.: ..12-0.., ..12-200.., ..12-20..	
<b>2-gang toggle switch insert 10 AX / 250 V ~</b> screwless terminals for wires up to 2.5 mm <sup>2</sup> screw fixing only, without claws installation into flush box min. 63 mm (depth)	
2 x 1-pole, 1-way	<b>K 505 EU</b>
2 x 1-pole, 1-way with 2 LED lamps	<b>K 505 EU 5</b>
The lamps can be exchanged without disconnecting mains.	
for centre plates with toggle lever ref.-no.: ..12-5.., ..12-250.., ..12-25..	
<b>2-gang toggle switch insert with indicator light 10 AX / 250 V ~</b> screwless terminals for wires up to 2.5 mm <sup>2</sup> screw fixing only, without claws Neutral conductor required installation into flush box min. 63 mm (depth)	
2 x 1-pole, 1-way with 2 LED lamps	<b>K 505 KO EU 5</b>
for centre plates with toggle lever ref.-no.: ..12-5 KO..	
<b>2-gang toggle switch insert 10 AX / 250 V ~</b> screw terminals for wires up to 2.5 mm <sup>2</sup> screw fixing only, without claws installation into flush box min. 63 mm (depth)	
2 x 1-pole, 2-way	<b>K 509 EU</b>
for centre plates with toggle lever ref.-no.: ..12-5.., ..12-250.., ..12-25..	



Ref.-no.

## 2-gang toggle push-button insert 10 A / 250 V ~

screwless terminals for wires up to 2.5 mm<sup>2</sup>

screw fixing only, without claws

installation into flush box min. 63 mm (depth)

2 x 1-pole, 1-way (NO contact)

**K 535 EU**

for centre plates with toggle lever ref.-no.: ..12-5.., ..12-250.., ..12-25..

## 2-gang toggle blind switch insert 10 AX / 250 V ~

screwless terminals for wires up to 2.5 mm<sup>2</sup>

screw fixing only, without claws

mechanical interlocking to avoid switching of both rockers at the same time

installation into flush box min. 63 mm (depth)

1-pole (1 motor)

**K 509 VEU**

for centre plates with toggle lever ref.-no.: ..12-5 P..

## 2-gang toggle blind push-button insert 10 A / 250 V ~

screwless terminals for wires up to 2.5 mm<sup>2</sup>

screw fixing only, without claws

mechanical interlocking to avoid switching of both rockers at the same time

installation into flush box min. 63 mm (depth)

1-pole (1 motor)

**K 539 VEU**

for centre plates with toggle lever ref.-no.: ..12-5 P..





Ref.-no.



**Centre plate with toggle lever "cylinder"**

for 1-gang toggle switch inserts ref.-no.: K 501 EU, K 506 EU, K 507 EU

for 1-gang toggle push-button inserts ref.-no.: K 531 EU, K 533 EU



1 toggle lever

**1-gang**

aluminium	 <b>AL 12-0 R 0</b>
stainless steel	 <b>ES 12-0 R 1</b>
dark (aluminium lacquered)	<b>AL 12-0 D R 01</b>
classic brass	<b>ME 12-0 C R 25</b>

2 x 1 toggle lever



**2-gang horizontal**

aluminium	 <b>AL 12-200 R 0</b>
stainless steel	 <b>ES 12-200 R 1</b>
dark (aluminium lacquered)	<b>AL 12-200 D R 01</b>
classic brass	<b>ME 12-200 C R 25</b>



2 x 1 toggle lever

**2-gang vertical**



aluminium	 <b>AL 12-20 R 0</b>
stainless steel	 <b>ES 12-20 R 1</b>
dark (aluminium lacquered)	<b>AL 12-20 D R 01</b>
classic brass	<b>ME 12-20 C R 25</b>

**Centre plate with toggle lever "cylinder", with lens**

for 1-gang toggle switch insert ref.-no.: K 506 KO EU

1 toggle lever

**1-gang**

aluminium	 <b>AL 12-0 KO R 0</b>
stainless steel	 <b>ES 12-0 KO R 1</b>
dark (aluminium lacquered)	<b>AL 12-0 KO D R 01</b>
classic brass	<b>ME 12-0 KO C R 25</b>

Ref.-no.



**Centre plate with toggle lever "cylinder"**

for 2-gang toggle switch insert ref.-no.: K 505 EU, K 509 EU

for 2-gang toggle push-button insert ref.-no.: K 535 EU



2 toggle levers

**1-gang**

aluminium	 AL 12-5 R 0
stainless steel	 ES 12-5 R 1
dark (aluminium lacquered)	AL 12-5 D R 01
classic brass	ME 12-5 C R 25

2 x 2 toggle levers



**2-gang horizontal**

aluminium	 AL 12-250 R 0
stainless steel	 ES 12-250 R 1
dark (aluminium lacquered)	AL 12-250 D R 01
classic brass	ME 12-250 C R 25



2 x 2 toggle levers

**2-gang vertical**

aluminium	 AL 12-25 R 0
stainless steel	 ES 12-25 R 1
dark (aluminium lacquered)	AL 12-25 D R 01
classic brass	ME 12-25 C R 25



**Centre plate with toggle lever "cylinder", with lens**

for 2-gang toggle switch insert ref.-no.: K 505 EU 5

for 2-gang toggle switch insert with indicator light ref.-no.: K 505 KO EU 5

2 toggle levers

**1-gang**

aluminium	 AL 12-5 KO R 0
stainless steel	 ES 12-5 KO R 1
dark (aluminium lacquered)	AL 12-5 KO D R 01
classic brass	ME 12-5 KO C R 25

**Centre plate with toggle lever "cylinder"**

with arrow symbols

for 2-gang toggle blind switch insert ref.-no.: K 509 VEU

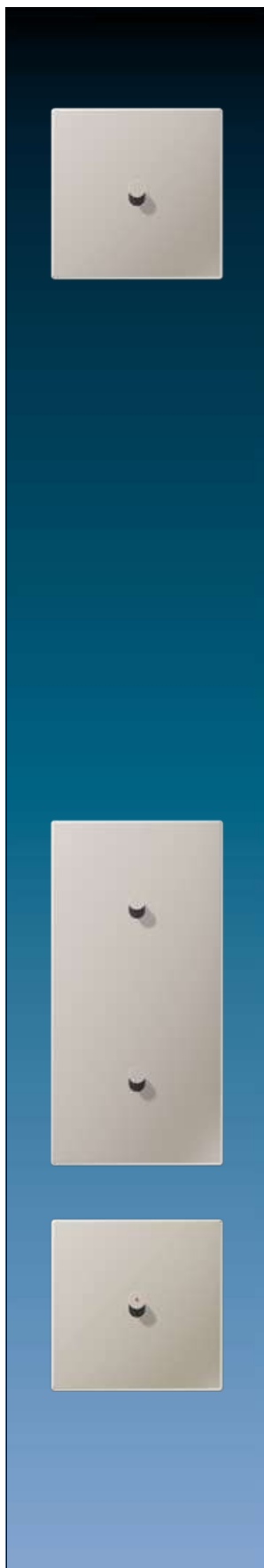
for 2-gang toggle blind push-button insert ref.-no.: K 539 VEU

2 toggle levers

**1-gang**

aluminium	AL 12-5 P R 0
stainless steel	ES 12-5 P R 1
dark (aluminium lacquered)	AL 12-5 P D R 01
classic brass	ME 12-5 P C R 25





Ref.-no.



**Centre plate with toggle lever "cone"**

for 1-gang toggle switch inserts ref.-no.: K 501 EU, K 506 EU, K 507 EU

for 1-gang toggle push-button inserts ref.-no.: K 531 EU, K 533 EU



1 toggle lever

**1-gang**

aluminium	 <b>AL 12-0 K 0</b>
stainless steel	 <b>ES 12-0 K 1</b>
dark (aluminium lacquered)	<b>AL 12-0 D K 01</b>
classic brass	<b>ME 12-0 C K 25</b>

2 x 1 toggle lever



**2-gang horizontal**

aluminium	 <b>AL 12-200 K 0</b>
stainless steel	 <b>ES 12-200 K 1</b>
dark (aluminium lacquered)	<b>AL 12-200 D K 01</b>
classic brass	<b>ME 12-200 C K 25</b>



2 x 1 toggle lever

**2-gang vertical**



aluminium	 <b>AL 12-20 K 0</b>
stainless steel	 <b>ES 12-20 K 1</b>
dark (aluminium lacquered)	<b>AL 12-20 D K 01</b>
classic brass	<b>ME 12-20 C K 25</b>

**Centre plate with toggle lever "cone", with lens**

for 1-gang toggle switch insert ref.-no.: K 506 KO EU

1 toggle lever

**1-gang**

aluminium	 <b>AL 12-0 KO K 0</b>
stainless steel	 <b>ES 12-0 KO K 1</b>
dark (aluminium lacquered)	<b>AL 12-0 KO D K 01</b>
classic brass	<b>ME 12-0 KO C K 25</b>

Ref.-no.



**Centre plate with toggle lever "cone"**

for 2-gang toggle switch insert ref.-no.: K 505 EU, K 509 EU

for 2-gang toggle push-button insert ref.-no.: K 535 EU



2 toggle levers

**1-gang**

aluminium	 <b>AL 12-5 K 0</b>
stainless steel	 <b>ES 12-5 K 1</b>
dark (aluminium lacquered)	<b>AL 12-5 D K 01</b>
classic brass	<b>ME 12-5 C K 25</b>

2 x 2 toggle levers



**2-gang horizontal**

aluminium	 <b>AL 12-250 K 0</b>
stainless steel	 <b>ES 12-250 K 1</b>
dark (aluminium lacquered)	<b>AL 12-250 D K 01</b>
classic brass	<b>ME 12-250 C K 25</b>



2 x 2 toggle levers

**2-gang vertical**

aluminium	 <b>AL 12-25 K 0</b>
stainless steel	 <b>ES 12-25 K 1</b>
dark (aluminium lacquered)	<b>AL 12-25 D K 01</b>
classic brass	<b>ME 12-25 C K 25</b>



**Centre plate with toggle lever "cone", with lens**

for 2-gang toggle switch insert ref.-no.: K 505 EU 5

for 2-gang toggle switch insert with indicator light ref.-no.: K 505 KO EU 5

2 toggle levers

**1-gang**

aluminium	 <b>AL 12-5 KO K 0</b>
stainless steel	 <b>ES 12-5 KO K 1</b>
dark (aluminium lacquered)	<b>AL 12-5 KO D K 01</b>
classic brass	<b>ME 12-5 KO C K 25</b>

**Centre plate with toggle lever "cone"**

with arrow symbols

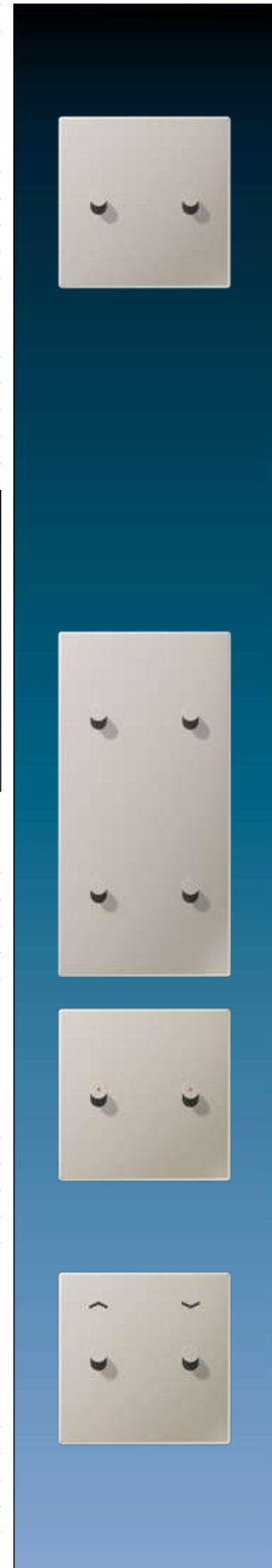
for 2-gang toggle blind switch insert ref.-no.: K 509 VEU

for 2-gang toggle blind push-button insert ref.-no.: K 539 VEU

2 toggle levers

**1-gang**

aluminium	<b>AL 12-5 P K 0</b>
stainless steel	<b>ES 12-5 P K 1</b>
dark (aluminium lacquered)	<b>AL 12-5 P D K 01</b>
classic brass	<b>ME 12-5 P C K 25</b>





Ref.-no.

**Centre plate with toggle lever "cube"**

for 1-gang toggle switch inserts ref.-no.: K 501 EU, K 506 EU, K 507 EU

for 1-gang toggle push-button inserts ref.-no.: K 531 EU, K 533 EU

1 toggle lever

**1-gang**

chrome

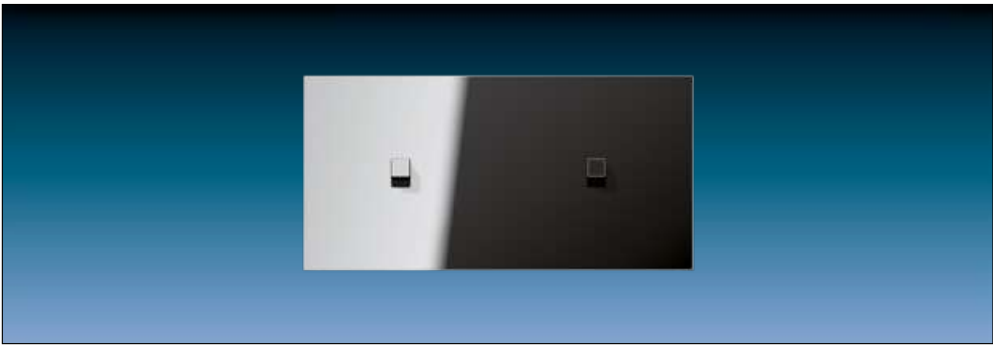
**GCR 12-0 E 22**

2 x 1 toggle lever

**2-gang horizontal**

chrome

**GCR 12-200 E 22**



2 x 1 toggle lever

**2-gang vertical**

chrome

**GCR 12-20 E 22**

**Centre plate with toggle lever "cube", with lens**

for 1-gang toggle switch insert ref.-no.: K 506 KO EU

1 toggle lever

**1-gang**

chrome

**GCR 12-0 KO E 22**

Ref.-no.

**Centre plate with toggle lever "cube"**

for 2-gang toggle switch insert ref.-no.: K 505 EU, K 509 EU

for 2-gang toggle push-button insert ref.-no.: K 535 EU

2 toggle levers

**1-gang**

chrome

**GCR 12-5 E 22**

2 x 2 toggle levers

**2-gang horizontal**

chrome

**GCR 12-250 E 22**

2 x 2 toggle levers

**2-gang vertical**

chrome

**GCR 12-25 E 22****Centre plate with toggle lever "cube", with lens**

for 2-gang toggle switch insert ref.-no.: K 505 EU 5

for 2-gang toggle switch insert with indicator light ref.-no.: K 505 KO EU 5

2 toggle levers

**1-gang**

chrome

**GCR 12-5 KO E 22****Centre plate with toggle lever "cube"**

with arrow symbols

for 2-gang toggle blind switch insert ref.-no.: K 509 VEU

for 2-gang toggle blind push-button insert ref.-no.: K 539 VEU

2 toggle levers

**1-gang**

chrome

**GCR 12-5 P E 22**

## Surface-mounted ranges



WG 800



AP 600



WG 600

For increased requirements for the electrical installation: the JUNG surface-mounted ranges WG 800, WG 600 and AP 600. Made of robust material, they are ideally suitable for installation where no chiselling work can or should be carried out for laying cables.

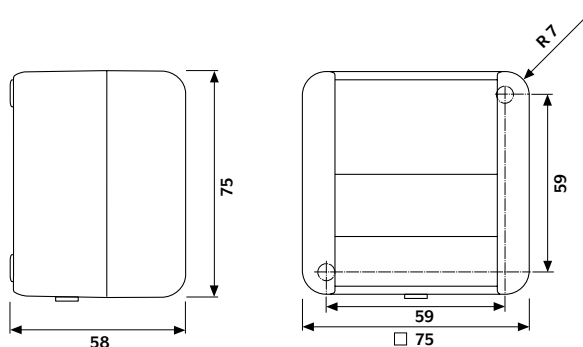




# WG 800



Perfect in form and function, resistant to weathering and UV radiation to the greatest possible extent and made of unbreakable thermoplastic: The WG 800 that is also protected against sprayed water can be illuminated and lettered throughout and sets new standards for professional electrical installation work through the ample amount of space allowed for the wiring.



<u>Frame edge radius</u>	<u>Switch / socket dimensions (WxHxD)</u>	<u>Switch / socket combination (WxHxD)</u>
R 7	75 mm x 75 mm x 58 mm	75 mm x 151 mm x 58 mm

		Ref.-no.
<b>1-gang switch 10 AX / 250 V ~</b>		
screwless terminals for wires up to 2.5 mm <sup>2</sup>		
1-pole, 2-way	IP	<b>806 W</b>
intermediate	IP	<b>807 W</b>
<b>Rocker with symbols I 0</b>		
2-pole, 1-way	IP	<b>802 W</b>
Switch can be illuminated in OFF-position with lamp ref.-no. 90/95 (230 V), 96-.. (low voltage), or LED lamp ref.-no. 90-LED.. (230 V) or 961248 LED.. (low voltage).		
<b>1-gang switch 16 AX / 400 V ~</b>		
screw terminals for wires up to 4 mm <sup>2</sup>		
<b>Rocker with symbols I 0</b>		
3-pole, 1-way	IP	<b>803 W</b>
Switch can be illuminated in OFF-position with lamp ref.-no. 98 or 98-220 (230 V).		
<b>1-gang switch 10 AX / 250 V ~</b>		
with inscription field 22 x 48 mm		
screwless terminals for wires up to 2.5 mm <sup>2</sup>		
1-pole, 2-way	IP	<b>806 NAW</b>
Switch can be illuminated in OFF-position with lamp ref.-no. 90/95 (230 V), 96-.. (low voltage), or LED lamp ref.-no. 90-LED.. (230 V) or 961248 LED.. (low voltage).		
<b>1-gang switch 10 AX / 250 V ~</b>		
<b>with indicator light</b>		
Neutral conductor required		
with red insert (ref.-no.: 33 NR) and glow lamp (ref.-no.: 90)		
screwless terminals for wires up to 2.5 mm <sup>2</sup>		
1-pole, 2-way	IP	<b>806 KOW</b>
<b>Rocker with symbols I 0</b>		
2-pole, 1-way	IP	<b>802 KOW</b>
<b>1-gang switch 16 AX / 400 V ~</b>		
<b>with indicator light</b>		
with red insert (ref.-no.: 33 NR) and glow lamp (ref.-no.: 98)		
screw terminals for wires up to 4 mm <sup>2</sup>		
<b>Rocker with symbols I 0</b>		
3-pole, 1-way	IP	<b>803 KOW</b>
<b>1-gang push-button 10 A / 250 V ~</b>		
with neutral insert (ref.-no.: 33 AN N)		
screwless terminals for wires up to 2.5 mm <sup>2</sup>		
1-pole, 1-way (NO contact)	IP	<b>831 W</b>
1-pole, 2-way with terminal for N conductor	IP	<b>833 W</b>
1-pole, 1-way (NO contact) with separate contacts for indicator light and red insert	IP	<b>834 W</b>
Illumination possible with lamp ref.-no. 90/95 (230 V), 96-.. (low voltage), or LED lamp ref.-no. 90-LED.. (230 V) or 961248 LED.. (low voltage).		





Ref.-no.

**1-gang push-button 10 A / 250 V ~**

with neutral insert (ref.-no.: 33 AN N)  
 screw terminals for wires up to 2.5 mm<sup>2</sup>  
 2-pole, 2-way

**833-2 W****Insert with symbol, opaque**

for switches with indicator light and push-buttons in design range WG 800

**anthracite**symbol light **33 AN L**symbol bell **33 AN K**symbol door **33 AN T****Insert without symbol, opaque**

for switches with indicator light and push-buttons in design range WG 800

anthracite **33 AN N****Insert without symbol, translucent**

for switches with indicator light and push-buttons in design range WG 800

green **33 GN**red **33 NR**transparent **33 KLAR****1-gang push-button 10 A / 250 V ~**

with inscription field 22 x 48 mm  
 screwless terminals for wires up to 2.5 mm<sup>2</sup>  
 1-pole, 1-way (NO contact)

**831 NAW**

Switch can be illuminated in OFF-position with lamp ref.-no. 90/95 (230 V), 96-.. (low voltage),  
 or LED lamp ref.-no. 90-LED.. (230 V) or 961248 LED.. (low voltage).

**1-gang rocker with glass plate**

with red rocker and red lens

for all waterproof 1-gang switches/push-buttons of WG 800

red similar RAL 3000

**860 WGL RT**

blue similar RAL 5015

**860 WGL BL**

yellow similar RAL 1004

**860 WGL GE****Glass plate**

(Spare part)

64 x 53 x 1 mm (W x H x D)

**60 GL**

Ref.-no.

**Pull cord switch 10 AX / 250 V ~**

screw terminals for wires up to 2.5 mm<sup>2</sup>  
 for wall and ceiling installation  
 with 50 mm pull cord  
 1-pole, 2-way

**806 ZW****Pull cord push-button 10 A / 250 V ~**

screw terminals for wires up to 2.5 mm<sup>2</sup>  
 for wall and ceiling installation  
 without terminal for neutral conductor, cannot be illuminated  
 with 50 mm pull cord  
 1-pole, 2-way

**833 ZW****2-gang switch 10 AX / 250 V ~**

screwless terminals for wires up to 2.5 mm<sup>2</sup>  
 2 x 1-pole, 1-way

**805 W**

with inscription fields 22 x 22 mm

**805 NAW**

Switch can be illuminated in OFF-position with lamp ref.-no. 99 (230 V).

**2-gang switch 10 AX / 250 V ~**

screw terminals for wires up to 2.5 mm<sup>2</sup>  
 2 x 1-pole, 2-way

**809 W**

with inscription fields 22 x 22 mm

**809 NAW****2-gang push-button, 10 A / 250 V ~**

screw terminals for wires up to 2.5 mm<sup>2</sup>  
 2 x 1-pole, 2-way

**839 W**

with inscription fields 22 x 22 mm

**839 NAW****2-gang push-button, 10 A / 250 V ~**

screwless terminals for wires up to 2.5 mm<sup>2</sup>  
 2 x 1-pole, 1-way (NO contact)

**835 W**

with inscription fields 22 x 22 mm

**835 NAW**

Switch can be illuminated in OFF-position with lamp ref.-no. 99 (230 V).





	Ref.-no.
<b>Rocker with inscription field</b> (illumination possible, see insert)	
<b>1-gang rocker</b> with inscription field 22 x 48 mm	<b>800 NA</b>
<b>2-gang rocker</b> with inscription fields 22 x 22 mm	<b>805 NA</b>
<b>2-gang blind switch 10 AX / 250 V ~</b> mechanical interlocking to avoid switching of both rockers at the same time screwless terminals for wires up to 2.5 mm <sup>2</sup>	
1-pole (1 motor)	<b>IP 809 VW</b>
<b>2-gang blind push-button 10 A / 250 V ~</b> mechanical interlocking to avoid switching of both rockers at the same time screwless terminals for wires up to 2.5 mm <sup>2</sup>	
1-pole (1 motor)	<b>IP 839 VW</b>
<b>Rotary blind switch/push-button 10 A / 250 V ~</b> with inscription field 9 x 50 mm screw terminals for wires up to 2.5 mm <sup>2</sup> Can be converted into rotary push-button by means of locking piece (included).	
1-pole (1 motor)	<b>IP 834.10 W</b>
2-pole (2 motors)	<b>IP 834.20 W</b>
A pre-travel prevents a quick change of direction.	
<b>Locking piece</b> (Spare part) for ref.-no.: 1234.10, 1234.20, 834.10 W, 834.20 W	
	<b>34.10</b>
<b>Key switch/push-button</b> integrated locking plate for locking cylinder with total length of approx. 40 mm, e.g. ref.-no.: 28, 28 G1 with inscription field 9 x 50 mm screw terminals for wires up to 2.5 mm <sup>2</sup> When using locking cylinder from other manufacturer, please consider, that the cylinder has key access on only one side. (Otherwise water can get through the cylinder into the switch housing. IP 44 is thus not guaranteed.)	
<b>10 AX 250 V ~</b>	
Blind switch, 1-pole (1 motor) *	<b>IP 804.18 W</b>
<b>10 A 250 V ~</b>	
Blind push-button, 1-pole (1 motor) *	<b>IP 834.18 W</b>
Push-button, 1-pole, 2-way	<b>IP 833.18 W</b>
<b>16 AX 250 V ~</b>	
Switch, 1-pole, 2-way	<b>IP 806.18 W</b>
* A pre-travel prevents a quick change of direction. removal of key switch/push-button front cover is only possible when profile cylinder is in unlocked position	

Ref.-no.

**Key switch/push-button**

delivery without locking plate

for locking cylinder with total length of approx. 40 mm, e.g. ref.-no.: 28, 28 G1

screw terminals for wires up to 2.5 mm<sup>2</sup>

with 1 inlet M 20 x 1.5 at the bottom, with PE terminal

aluminium housing 90 x 75 x 65 mm

colour of housing: silver-grey (similar RAL 7001), cover: metallic anthracite

When using locking cylinder from other manufacturer, please consider, that the cylinder has key access on only one side. (Otherwise water can get through the cylinder into the switch housing. IP 44 is thus not guaranteed.)

**10 AX 250 V ~**

Blind switch, 2-pole (2 motors) \*

**804.28 G****10 A 250 V ~**

Blind push-button, 2-pole (2 motors) \*

**834.28 G**

Push-button, 1-pole, 2-way

**833.18 G****16 AX 250 V ~**

Switch, 2-pole, 2-way

**806.28 G**

\* A pre-travel prevents a quick change of direction.

**Locking plate**

for key switch ref.-no.: 804.28 G, 834.28 G, 833.18 G, 806.28 G

**18 V**

removal of key switch/push-button front cover is only possible when profile cylinder is in unlocked position

**Metal cover, 125 x 100 mm**

for flush installation of aluminium housing

colour: aluminium

for key switch ref.-no.: 804.28 G, 834.28 G, 833.18 G, 806.28 G

with symbols

**4.28 WU G**

without symbols

**6.28 WU G****Locking cylinder for key switches**

suitable for IP 44

with 3 keys

different locks

**28**

equal locks

**28 G1****Key****for locking cylinder 28 G1**

for key switches

(Spare part)

1 piece

**28 G1 SL****SCHUKO® socket 16 A / 250 V ~**screwless terminals for wires up to 2.5 mm<sup>2</sup>**820 W**

with enhanced contact protection (shutter)

**820 KIW**





Ref.-no.

**SCHUKO® socket 16 A / 250 V ~**  
**with inscription field 22 x 48 mm**  
 screwless terminals for wires up to 2.5 mm<sup>2</sup>

with enhanced contact protection (shutter)  
 green hinged lid  
 orange hinged lid

IP	<b>820 NAW</b>
IP	<b>820 KINAW</b>
IP	<b>820 GN NAW</b>
IP	<b>820 O NAW</b>

**SCHUKO® socket 16 A / 250 V ~**  
**with inscription field 22 x 48 mm**  
**with e-bike charging symbol**  
 screwless terminals for wires up to 2.5 mm<sup>2</sup>  
 green hinged lid

IP	<b>820 GN NAWEB</b>
----	---------------------

**SCHUKO® socket 16 A / 250 V ~**  
**with safety lock**  
**with inscription field 22 x 48 mm**  
 screwless terminals for wires up to 2.5 mm<sup>2</sup>  
 with 2 keys (24 different locks)

IP	<b>820 NAWSL</b>
----	------------------

**SCHUKO® socket 16 A / 250 V ~**  
**with safety lock**  
**with inscription field 22 x 48 mm**  
**with e-bike charging symbol**  
 screwless terminals for wires up to 2.5 mm<sup>2</sup>  
 with 2 keys (24 different locks)green hinged lid

IP	<b>820 GN NAWSL</b>
----	---------------------

**Key**

1 piece

802 SL – 825 SL

**When ordering, please indicate lock number!**

**SCHUKO® socket 16 A / 250 V ~**  
**with 1-gang / 2-way switch 10 AX / 250 V ~**  
 screwless terminals for wires up to 2.5 mm<sup>2</sup>

IP	<b>876 W</b>
----	--------------

dimensions 75 x 151 x 58 mm, 2 inlets

Switch can be illuminated in OFF-position with lamp ref.-no. 90/95 (230 V), 96-.. (low voltage),  
 or LED lamp ref.-no. 90-LED.. (230 V) or 961248 LED.. (low voltage).



Ref.-no.

**SCHUKO® socket 16 A / 250 V ~  
with push-button 10 A / 250 V ~**screwless terminals for wires up to 2.5 mm<sup>2</sup>

1-pole, 1-way (NO contact)

**871 W**

dimensions 75 x 151 x 58 mm, 2 inlets

with neutral insert (ref.-no.: 33 AN N)

Switch can be illuminated in OFF-position with lamp ref.-no. 90/95 (230 V), 96-.. (low voltage),  
or LED lamp ref.-no. 90-LED.. (230 V) or 961248 LED.. (low voltage).**SCHUKO® socket 16 A / 250 V ~****with 2-gang switch 10 AX / 250 V ~**screwless terminals for wires up to 2.5 mm<sup>2</sup>**875 W**

dimensions 75 x 151 x 58 mm, 2 inlets

Switch can be illuminated in OFF-position with lamp ref.-no. 99 (230 V).

**SCHUKO® socket 16 A / 250 V ~****with 1-gang / 2-way switch with indicator light 10 AX 250 V ~**

Neutral conductor required









screwless terminals for wires up to 2.5 mm<sup>2</sup>**876 KOW**

dimensions 75 x 151 x 58 mm, 2 inlets

with red insert (ref.-no.: 33 NR) and plug-in neon lamp (ref.-no.: 90)





Ref.-no.	
<b>SCHUKO® socket 16 A / 250 V ~</b> <b>with 1-gang / 2-way switch 10 AX / 250 V ~</b> with two inscription fields 22 x 48 mm screwless terminals for wires up to 2.5 mm <sup>2</sup>	
	<b>876 NAW</b>
dimensions 75 x 151 x 58 mm, 2 inlets Switch can be illuminated in OFF-position with lamp ref.-no. 90/95 (230 V), 96-.. (low voltage), or LED lamp ref.-no. 90-LED.. (230 V) or 961248 LED.. (low voltage).	
<b>2-gang SCHUKO® socket 16 A / 250 V ~</b> <b>wired</b> screwless terminals for wires up to 2.5 mm <sup>2</sup> <b>for vertical installation, housing 75 x 151 x 58 mm</b>	
2 inlets, 2 single covers	 <b>822 W</b>
<b>for horizontal installation, housing 151 x 75 x 58 mm</b>	
4 inlets, 2 single covers	 <b>8220 W</b>
4 inlets, 1 double cover	 <b>8220-1 W</b>
inlet for trunking ref.-no: 895	
<b>2-gang SCHUKO® socket 16 A / 250 V ~</b> <b>wired</b> with two inscription fields 22 x 48 mm screwless terminals for wires up to 2.5 mm <sup>2</sup> <b>for vertical installation, housing 75 x 151 x 58 mm</b>	
2 inlets, 2 single covers	 <b>822 NAW</b>
2 inlets, 2 single covers with enhanced contact protection (shutter)	 <b>822 KINAW</b>
<b>for horizontal installation, housing 151 x 75 x 58 mm</b>	
4 inlets, 2 single covers	 <b>8220 NAW</b>
4 inlets, 2 single covers with enhanced contact protection (shutter)	 <b>8220 KINAW</b>

Ref.-no.

**2-gang SCHUKO® socket 16 A / 250 V ~****with e-bike charging symbol****wired**

with two inscription fields 22 x 48 mm

screwless terminals for wires up to 2.5 mm<sup>2</sup>**for horizontal installation, housing 151 x 75 x 58 mm**

4 inlets, 2 single covers, green hinged lid

**8220 GN NAWEB****2-gang SCHUKO® socket 16 A / 250 V ~****with 2 safety locks****wired**

(equal locks) with 4 keys

with two inscription fields 22 x 48 mm

screwless terminals for wires up to 2.5 mm<sup>2</sup>**for vertical installation, housing 75 x 151 x 58 mm**

2 inlets, 2 single covers

**822 NAWSL****for horizontal installation, housing 151 x 75 x 58 mm**

4 inlets, 2 single covers

**8220 NAWSL****2-gang SCHUKO® socket 16 A / 250 V ~****with 2 safety locks****with e-bike charging symbol****wired**

(equal locks) with 4 keys

with two inscription fields 22 x 48 mm

screwless terminals for wires up to 2.5 mm<sup>2</sup>**for horizontal installation, housing 151 x 75 x 58 mm**

4 inlets, 2 single covers, green hinged lid

**8220 GN NAWSLEB****Key**

1 piece

**802 SL – 825 SL****When ordering, please indicate lock number!**



Ref.-no.

**3-gang SCHUKO® socket 16 A / 250 V ~  
wired**

screwless terminals for wires up to 2.5 mm<sup>2</sup>

**for horizontal installation, housing 226 x 75 x 58 mm**

5 inlets



**8230 W**

5 inlets, 3 inscription fields 22 x 48 mm



**8230 NAW**

(3 single covers)

Socket outlets may be replaced by switches , push-buttons, pilot lights or socket outlets with safety lock



**Socket, French/Belgian system**

2-pole + male earth pin, 16 A / 250 V ~

with enhanced contact protection (shutter)

screw terminals for wires up to 2.5 mm<sup>2</sup> acc. to NFC 61-314



**821 FKl W**

**2-gang socket, French/Belgian system**

2-pole + male earth pin, 16 A / 250 V ~

with enhanced contact protection (shutter)


screw terminals for wires up to 2.5 mm<sup>2</sup> acc. to NFC 61-314

**for horizontal installation, housing 151 x 75 x 58 mm**





**8221 FKl W**





Ref.-no.	
<b>3-gang socket, French/Belgian system</b> 2-pole + male earth pin, 16 A / 250 V ~ with enhanced contact protection (shutter) screw terminals for wires up to 2.5 mm <sup>2</sup> acc. to NFC 61-314 <b>for horizontal installation, housing 226 x 75 x 58 mm</b>	
	<b>8231 FKI W</b>



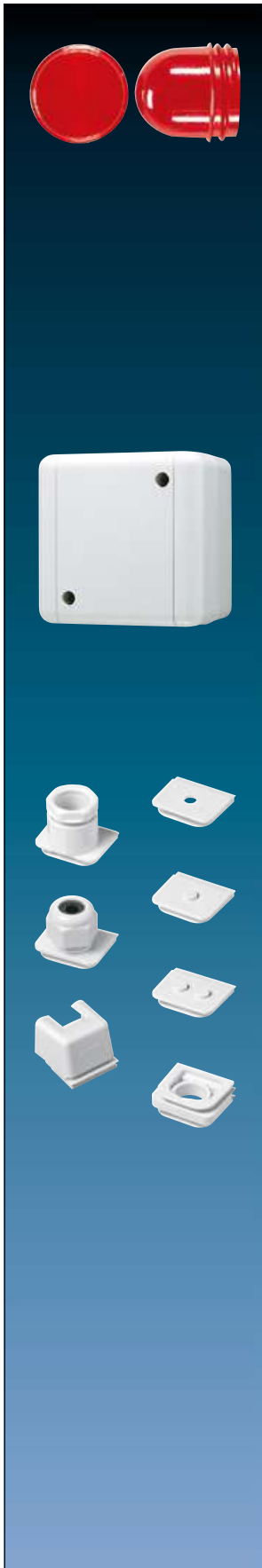
<b>Socket US NEMA system</b> <b>15 A, 125 V ~, 5-15R, 2-pole + earth</b> screw terminals for wires up to 4 mm <sup>2</sup> acc. to US-NEMA	
	<b>821-15 USW</b>

<b>Socket US NEMA system</b> <b>20 A, 125 V ~, 5-20R, 2-pole + earth</b> screw terminals for wires up to 4 mm <sup>2</sup> acc. to US-NEMA	
	<b>821-20 USW</b>

<b>Pilot light (without cap)</b> screw terminals for wires up to 2.5 mm <sup>2</sup>	
thread E10 (max. load 5 W)	 <b>837-10 W</b>
thread E14 (max. load 5 W)	 <b>837-14 W</b>

<b>LED lamp</b> approx. 36 mm long for pilot lights ref.-no.: 938-14 U, 837-14 W, 637-14 W, 637-14 A, 637-14 A WW E14, 230 V ~, 0.4 W	
white	<b>E 14 LED W</b>
green	<b>E 14 LED GN</b>
red	<b>E 14 LED RT</b>
average life approx. 30 000 h	





Ref.-no.

**Screw cap**

for pilot lights ref.-no.: 837-10 W, 837-14 W

**flat, for lamps up to max. length of 35 mm**

transparent	<b>37.02</b>
red	<b>37.05</b>
green	<b>37.06</b>
yellow	<b>37.07</b>
blue	<b>37.08</b>

**high, for lamps up to max. length of 54 mm**

transparent	<b>37</b>
red	<b>37 R</b>
green	<b>37 G</b>
yellow	<b>37 GE</b>
blue	<b>37 BL</b>

**Junction box**

with 2 inlets

**800 AW**

The junction box can also be used for tubing and cable duct installation with the respective adapters. The junction box serves for various solutions e.g. the integration of the KNX push-button interface into the WG 800 / WG 600 range.

Admissible ambient temperature in combination with the KNX system: -5 °C to +45 °C

**Accessories****for waterproof devices WG 800 and special devices**

(Spare part)

connecting pipe		<b>892</b>
inlet with PG 16 thread + screw		<b>893-1</b>
inlet with thread + screw M 20 x 1.5		<b>893-2</b>
inlet with 2 openings		<b>894</b>
inlet with 1 opening		<b>891</b>
closed inlet		<b>890</b>
inlet for trunking 15 x 15 mm		<b>895</b>

Ref.-no.

**Rotary dimmer with 2-way push switch****823 NVDW**

with potentiometer to adjust the minimum brightness

**Intended use**

- Switching and dimming of incandescent lamps, HV halogen lamps as well as dimmable inductive transformers with halogen or LED lamps
- Switching and dimming of dimmable HV LED lamps or compact fluorescent lamps
- No mixed-load operation of HV LED and compact fluorescent lamps. All other specified load types can be used in mixed-load operation.

**Product characteristics**

- Dimming method: leading edge phase control
- Short-circuit protection through fine-wire fuse
- Electronic over-temperature protection
- Satellite switching possible in combination with 2-way switch
- Control output A to output the switching status of the device to control automatic power disconnection or relay
- Dimensions 75 x 90 x 58 mm, 2 inlets

**Technical data**

Rated voltage:	AC 230 V ~, 50 Hz
Connected load:	max. 375 VA / W incl. approx. 5 % power loss
Dimming method:	leading edge phase control
Lamp loads	
Incandescent lamps:	20 ... 375 W
HV halogen lamps:	20 ... 375 W
Inductive transformers:	20 ... 375 VA
Dimmable HV LED lamps:	typical 3 ... 100 W
Dimmable compact fluorescent lamps:	typical 3 ... 100 W
Fuse, type:	T 3.15 A H 250 V
Connection mode:	screwless connection
Terminals for:	2.5 mm <sup>2</sup>



Transformers must be charged with at least 85 % of rated power with lamps.

The total electrical load, including power loss of transformer, must not exceed the maximum load.

**Timer switch 16 AX / 250 V ~**screw terminals for wires up to 4 mm<sup>2</sup>

accuracy ± 10 %

2-pole, 1-way	max. 15 minutes		<b>8015 W</b>
	max. 120 minutes		<b>8012 W</b>

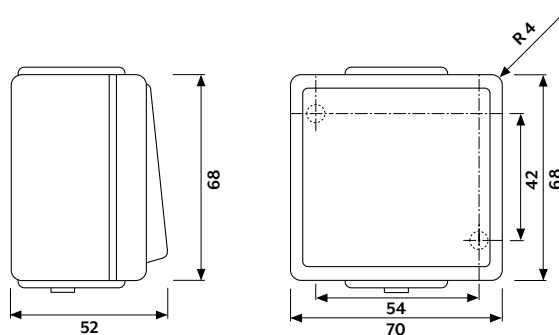
dimensions 75 x 90 x 58 mm, 2 inlets



# WG 600














The surface-mounting units in the WG 600 range that are protected against splash water are not only resistant to external influences but are also extremely easy to install. Their special features are the flat, compact design and the very easy operation thanks to the generously sized rockers.



Frame edge radius	Switch / socket dimensions (WxHxD)	Switch / socket combination (WxHxD)
R 4	70 mm x 68 mm x 47 mm	70 mm x 140 mm x 47 mm



		Ref.-no.
<b>1-gang switch 10 AX / 250 V ~</b>		
screwless terminals for wires up to 2.5 mm <sup>2</sup>		
1-pole, 1-way		<b>601 W</b>
1-pole, 2-way		<b>606 W</b>
intermediate		<b>607 W</b>
<b>Rocker with symbols I 0</b>		
2-pole, 1-way		<b>602 W</b>
Switch can be illuminated in OFF-position with lamp ref.-no. 90/95 (230 V), 96-.. (low voltage), or LED lamp ref.-no. 90-LED.. (230 V) or 961248 LED.. (low voltage).		
<b>1-gang switch 10 AX / 250 V ~</b>		
with inscription field 17 x 72 mm		
screwless terminals for wires up to 2.5 mm <sup>2</sup>		
1-pole, 2-way		<b>606 NAW</b>
Switch can be illuminated in OFF-position with lamp ref.-no. 90/95 (230 V), 96-.. (low voltage), or LED lamp ref.-no. 90-LED.. (230 V) or 961248 LED.. (low voltage).		
<b>Transparent cover with paper inlay</b>		
for inscription field 17 x 72 mm		
(Spare part)		
paper inlay white		<b>606 NA</b>
<b>1-gang switch 16 AX / 400 V ~</b>		
dimensions: 70 x 90 x 47 mm		
screw terminals for wires up to 4 mm <sup>2</sup>		
<b>Rocker with symbols I 0</b>		
3-pole, 1-way		<b>603 W</b>
Switch can be illuminated in OFF-position with lamp ref.-no. 98 or 98-220 (230 V). The insert also fits housing of 70 x 68 mm if e.g. the 1-gang rocker with glass plate ref.-nr. 661 WGL.. is to be used.		
<b>1-gang switch 10 AX / 250 V ~</b>		
<b>with indicator light</b>		
Neutral conductor required		
with red insert (ref.-no.: 33 NR) and glow lamp (ref.-no.: 90)		
screwless terminals for wires up to 2.5 mm <sup>2</sup>		
1-pole, 2-way		<b>606 KOW</b>
<b>Rocker with symbols I 0</b>		
2-pole, 1-way		<b>602 KOW</b>
<b>1-gang push-button 10 A / 250 V ~ (without lens insert)</b>		
screwless terminals for wires up to 2.5 mm <sup>2</sup>		
1-pole, 1-way (NO contact)		<b>631 W</b>
1-pole, 2-way with terminal for N conductor		<b>633 W</b>
1-pole, 1-way (NO contact) with separate contacts for indicator light		<b>634 W</b>
Illumination possible with lamp ref.-no. 90/95 (230 V), 96-.. (low voltage), or LED lamp ref.-no. 90-LED.. (230 V) or 961248 LED.. (low voltage).		



WG 600

IP 44



644

Ref.-no.

**1-gang push-button 10 A / 250 V ~ (without lens insert)**screw terminals for wires up to 2.5 mm<sup>2</sup>

2-pole, 2-way

**633-2 W****Insert with symbol, opaque**

for switches with indicator light and push-buttons in design range WG 600

**ivory**

symbol light

**33 L**

symbol bell

**33 K**

symbol door

**33 T****Insert without symbol, translucent**

for switches with indicator light and push-buttons in design range WG 600

green

**33 GN**

transparent

**33 KLAR**

orange

**33 O**

red

**33 NR****1-gang push-button 10 A / 250 V ~**

with inscription field 17 x 72 mm

screwless terminals for wires up to 2.5 mm<sup>2</sup>

1-pole, 1-way (NO contact)

**631 NAW**

Switch can be illuminated in OFF-position with lamp ref.-no. 90/95 (230 V), 96-.. (low voltage), or LED lamp ref.-no. 90-LED.. (230 V) or 961248 LED.. (low voltage).

**1-gang rocker with inscription field 17 x 72 mm**

(illumination possible, see insert)

for 1-gang switches and push-buttons

**600 NA****Transparent cover with paper inlay**

for inscription field 17 x 72 mm

(Spare part)

paper inlay white

**606 NA****1-gang rocker with glass plate**

with red rocker and red lens

for all waterproof 1-gang switches/push-buttons of WG 600, except ref.-no.: 603..

red similar RAL 3000

**661 WGL R**

blue similar RAL 5015

**661 WGL BL**

yellow similar RAL 1004

**661 WGL GE****Glass plate**

(Spare part)

62.5 x 61 x 1 mm (W x H x D)

**61 GL**

	Ref.-no.
<b>2-gang switch 10 AX / 250 V ~</b> screwless terminals for wires up to 2.5 mm <sup>2</sup> 2 x 1-pole, 1-way	<b>605 W</b>
Switch can be illuminated in OFF-position with lamp ref.-no. 99 (230 V).	
<b>2-gang push-button, 10 A / 250 V ~</b> with assorted symbols screw terminals for wires up to 2.5 mm <sup>2</sup> 2 x 1-pole, 2-way	<b>639 W</b>
Symbol range: 2 x neutral (white) 1 x green with labelling <b>I</b> 1 x red with labelling <b>0</b>	
<b>2-gang blind switch 10 AX / 250 V ~</b> mechanical interlocking to avoid switching of both rockers at the same time screwless terminals for wires up to 2.5 mm <sup>2</sup> 1-pole (1 motor)	<b>609 VW</b>
<b>2-gang blind push-button 10 A / 250 V ~</b> mechanical interlocking to avoid switching of both rockers at the same time screwless terminals for wires up to 2.5 mm <sup>2</sup> 1-pole (1 motor)	<b>639 VW</b>
<b>SCHUKO® socket 16 A / 250 V ~</b> with hollow space for wiring screwless terminals for wires up to 2.5 mm <sup>2</sup> Height 55 mm	<b>620 WX</b>
<b>SCHUKO® socket 16 A / 250 V ~</b> screwless terminals for wires up to 2.5 mm <sup>2</sup> Height 47 mm	<b>620 W</b>
<b>SCHUKO® socket 16 A / 250 V ~</b> screw terminals for wires up to 2.5 mm <sup>2</sup> Height 47 mm	<b>621 WX</b>





Ref.-no.		
<b>SCHUKO® socket 16 A / 250 V ~</b> <b>with inscription field 17 x 72 mm</b> screwless terminals for wires up to 2.5 mm <sup>2</sup> Height 47 mm		
IP		<b>620 NAW</b>
<b>SCHUKO® socket 16 A / 250 V ~</b> <b>with inscription field 17 x 72 mm</b> screw terminals for wires up to 2.5 mm <sup>2</sup> Height 47 mm		
IP		<b>621 NAW</b>
<b>Transparent cover with paper inlay</b> for inscription field 17 x 72 mm (Spare part) paper inlay white		
		<b>606 NA</b>
<b>SCHUKO® socket 16 A / 250 V ~</b> <b>with safety lock</b> screwless terminals for wires up to 2.5 mm <sup>2</sup> with 2 keys (24 different locks)		
IP		<b>620 WSL</b>
<b>SCHUKO® socket 16 A / 250 V ~</b> <b>with safety lock</b> screw terminals for wires up to 2.5 mm <sup>2</sup> with 2 keys (24 different locks)		
IP		<b>621 WSL</b>
<b>Key</b> 1 piece		
		<b>802 SL – 825 SL</b>
<b>When ordering, please indicate lock number!</b>		

Ref.-no.

**SCHUKO® socket 16 A / 250 V ~**  
**with 1-gang / 2-way switch 10 AX / 250 V ~**  
 screwless terminals for wires up to 2.5 mm<sup>2</sup>

**676 W**

Housing 70 x 140 x 47 mm, 2 inlets

Switch can be illuminated in OFF-position with lamp ref.-no. 90/95 (230 V), 96-.. (low voltage),  
 or LED lamp ref.-no. 90-LED.. (230 V) or 961248 LED.. (low voltage).

**SCHUKO® socket 16 A / 250 V ~**  
**with push-button 10 A / 250 V ~ (without lens insert)**  
 screwless terminals for wires up to 2.5 mm<sup>2</sup>

**671 W**

1-pole, 1-way (NO contact)

Housing 70 x 140 x 47 mm, 2 inlets

Switch can be illuminated in OFF-position with lamp ref.-no. 90/95 (230 V), 96-.. (low voltage),  
 or LED lamp ref.-no. 90-LED.. (230 V) or 961248 LED.. (low voltage).

**SCHUKO® socket 16 A / 250 V ~**  
**with 2-gang switch 10 AX / 250 V ~**  
 screwless terminals for wires up to 2.5 mm<sup>2</sup>

**675 W**

Housing 70 x 140 x 47 mm, 2 inlets

Switch can be illuminated in OFF-position with lamp ref.-no. 99 (230 V).

**SCHUKO® socket 16 A / 250 V ~**  
**with 1-gang / 2-way switch with indicator light 10 AX 250 V ~**  
 Neutral conductor required  
 screwless terminals for wires up to 2.5 mm<sup>2</sup>

**676 KOW**

Housing 70 x 140 x 47 mm, 2 inlets

with red insert (ref.-no.: 33 NR) and plug-in neon lamp (ref.-no.: 90)







Ref.-no.		
<b>SCHUKO® socket 16 A / 250 V ~</b>		
<b>with 1-gang / 2-way switch 10 AX / 250 V ~</b>		
screwless terminals for wires up to 2.5 mm <sup>2</sup>		
rocker and hinged lid each with one inscription field 17 x 72 mm	IP	<b>676 NAW</b>
Housing 70 x 140 x 47 mm, 2 inlets		
Switch can be illuminated in OFF-position with lamp ref.-no. 90/95 (230 V), 96-.. (low voltage), or LED lamp ref.-no. 90-LED.. (230 V) or 961248 LED.. (low voltage).		
<b>2-gang SCHUKO® socket 16 A / 250 V ~</b>		
<b>wired</b>		
screw terminals for wires up to 2.5 mm <sup>2</sup>		
for vertical installation, housing 70 x 140 x 47 mm	IP	<b>622 W</b>
for horizontal installation, housing 140 x 68 x 47 mm	IP	<b>622 WW</b>
for vertical installation, with inscription field 17 x 72 mm	IP	<b>622 NAW</b>
for horizontal installation, with inscription field 17 x 72 mm	IP	<b>622 NAWW</b>
<b>3-gang SCHUKO® socket 16 A / 250 V ~</b>		
<b>wired</b>		
screw terminals for wires up to 2.5 mm <sup>2</sup>		
for horizontal installation, housing 210 x 68 x 47 mm	IP	<b>623 W</b>
for horizontal installation, with inscription field 17 x 72 mm	IP	<b>623 NAW</b>
<b>Transparent cover with paper inlay</b>		
for inscription field 17 x 72 mm		
(Spare part)		
paper inlay white		<b>606 NA</b>

Ref.-no.

**Pilot light (without cap)**screw terminals for wires up to 2.5 mm<sup>2</sup>

thread E10	(max. load 5 W)		<b>637-10 W</b>
thread E14	(max. load 5 W)		<b>637-14 W</b>

**LED lamp**

approx. 36 mm long

for pilot lights ref.-no.: 938-14 U, 837-14 W, 637-14 W, 637-14 A, 637-14 A WW

E14, 230 V ~, 0.4 W

white	<b>E 14 LED W</b>
green	<b>E 14 LED GN</b>
red	<b>E 14 LED RT</b>

average life approx. 30 000 h

**Screw cap**

for pilot lights ref.-no.: 637-10 W, 637-14 W

**flat, for lamps up to max. length of 35 mm**

transparent	<b>37.02</b>
red	<b>37.05</b>
green	<b>37.06</b>
yellow	<b>37.07</b>
blue	<b>37.08</b>

**high, for lamps up to max. length of 54 mm**

transparent	<b>37</b>
red	<b>37 R</b>
green	<b>37 G</b>
yellow	<b>37 GE</b>
blue	<b>37 BL</b>





**Mounting box****for 1 device**

(Spare part)

2 inlets (closed)		<b>600</b>
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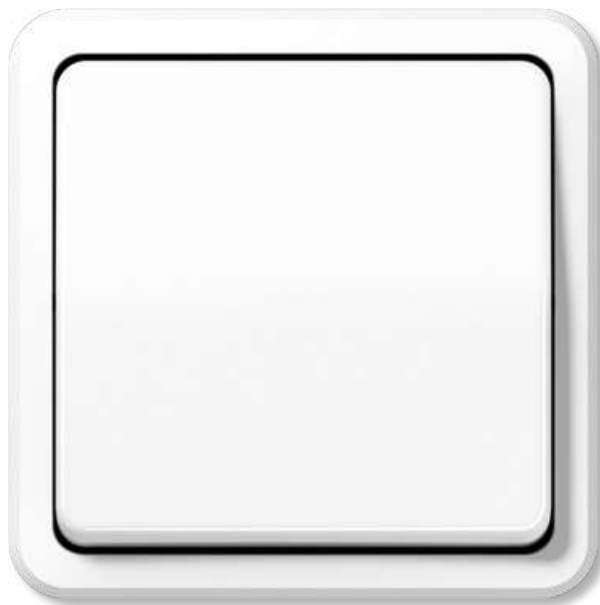
**Accessories****for waterproof devices WG 600**

(Spare part)

connecting pipe		<b>192</b>
inlet with thread + screw M 20 x 1.5		<b>193-2</b>
inlet with 1 opening		<b>190-353</b>
closed inlet		<b>190-354</b>
inlet for trunking 15 x 15 mm		<b>195</b>

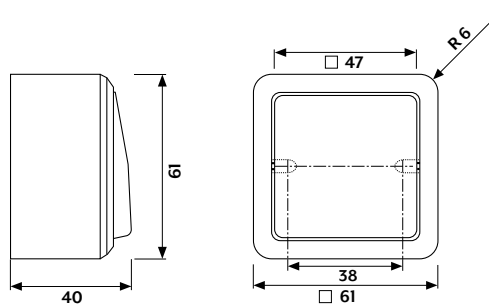


# AP 600



WHITE

The AP 600 range of surface mounted units has been well thought out to make it ideal for new installations and retrofitting onto surfaces such as concrete, wood or facing brick work. The more demanding requirements are also met thanks to the wide range of functionality.



Frame edge radius	Switch / socket dimensions (WxHxD)	Switch / socket combination (WxHxD)
R 6	61 mm x 61 mm x 40 mm	61 mm x 116 mm x 47 mm



		Ref.-no.
<b>1-gang switch 10 AX / 250 V ~</b>		
screwless terminals for wires up to 2.5 mm <sup>2</sup>		
ivory	1-pole, 2-way	<b>606 A</b>
white	1-pole, 2-way	<b>606 A WW</b>
ivory	intermediate	<b>607 A</b>
white	intermediate	<b>607 A WW</b>
<b>Rocker with symbols I 0</b>		
ivory	2-pole, 1-way	<b>602 A</b>
white	2-pole, 1-way	<b>602 A WW</b>
Switch can be illuminated in OFF-position with lamp ref.-no. 90/95 (230 V), 96-.. (low voltage), or LED lamp ref.-no. 90-LED.. (230 V) or 961248 LED.. (low voltage).		
<b>1-gang switch 10 AX / 250 V ~</b>		
with inscription field 9 x 40 mm		
screwless terminals for wires up to 2.5 mm <sup>2</sup>		
ivory	1-pole, 2-way	<b>606 ANA</b>
white	1-pole, 2-way	<b>606 ANA WW</b>
Switch can be illuminated in OFF-position with lamp ref.-no. 90/95 (230 V), 96-.. (low voltage), or LED lamp ref.-no. 90-LED.. (230 V) or 961248 LED.. (low voltage).		
<b>Transparent cover with paper inlay</b>		
for inscription field 9 x 40 mm		
(Spare part)		
paper inlay white		<b>60 ANA</b>
<b>1-gang switch 10 AX / 250 V ~</b>		
<b>with indicator light</b>		
(neutral conductor required)		
with glow lamp ref.-no. 90		
screwless terminals for wires up to 2.5 mm <sup>2</sup>		
ivory	1-pole, 2-way	<b>606 KO5 A</b>
white	1-pole, 2-way	<b>606 KO5 A WW</b>
<b>1-gang switch 10 AX / 250 V ~</b>		
<b>with indicator light</b>		
(neutral conductor required)		
with orange insert (ref.-no.: 33 O) and glow lamp (ref.-no.: 90)		
screwless terminals for wires up to 2.5 mm <sup>2</sup>		
<b>Rocker with symbols I 0</b>		
ivory	2-pole, 1-way	<b>602 KOA</b>
white	2-pole, 1-way	<b>602 KOA WW</b>
<b>1-gang push-button 10 A / 250 V ~ (without lens insert)</b>		
Can be converted into pull cord push-button by means of pull cord insert ref.-no. 34.		
screwless terminals for wires up to 2.5 mm <sup>2</sup>		
ivory	1-pole, 1-way (NO contact)	<b>631 A</b>
white	1-pole, 1-way (NO contact)	<b>631 A WW</b>
ivory	1-pole, 1-way (NO contact) with separate contacts for indicator light	<b>634 A</b>
white	1-pole, 1-way (NO contact) with separate contacts for indicator light	<b>634 A WW</b>
ivory	1-pole, 2-way with terminal for N conductor	<b>633 A</b>
white	1-pole, 2-way with terminal for N conductor	<b>633 A WW</b>
Illumination possible with lamp ref.-no. 90/95 (230 V), 96-.. (low voltage), or LED lamp ref.-no. 90-LED.. (230 V) or 961248 LED.. (low voltage).		





Ref.-no.

## Insert with symbol, opaque

for switches with indicator light and push-buttons ref.-no.: 602 KOA .., 631 A .., 634 A .., 633 A ..

### ivory

symbol light	<b>33 L</b>
symbol bell	<b>33 K</b>
symbol door	<b>33 T</b>

### white

symbol light	<b>33 L WW</b>
symbol bell	<b>33 K WW</b>
symbol door	<b>33 T WW</b>

## Insert without symbol, translucent

for switches with indicator light and push-buttons ref.-no.: 602 KOA .., 631 A .., 634 A .., 633 A ..

green	<b>33 GN</b>
transparent	<b>33 KLAR</b>
orange	<b>33 O</b>

## 1-gang rocker with inscription field 9 x 40 mm

(illumination possible, see insert)

for 1-gang switches and push-buttons

ivory	<b>60 NA</b>
white	<b>60 NA WW</b>

## Transparent cover with paper inlay

for inscription field 9 x 40 mm

(Spare part)

paper inlay white	<b>60 ANA</b>
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## Pull cord switch 10 AX / 250 V ~

for wall and ceiling installation

with 50 mm pull cord

screw terminals for wires up to 2.5 mm<sup>2</sup>

ivory	<b>606 ZA</b>
white	<b>606 ZA WW</b>

## 2-gang switch 10 AX / 250 V ~

screwless terminals for wires up to 2.5 mm<sup>2</sup>

ivory	2 x 1-pole, 1-way	<b>605 A</b>
white	2 x 1-pole, 1-way	<b>605 A WW</b>

Switch can be illuminated in OFF-position with lamp ref.-no. 99 (230 V).

## 2-gang blind switch 10 AX / 250 V ~

mechanical interlocking to avoid switching of both rockers at the same time

screwless terminals for wires up to 2.5 mm<sup>2</sup>

ivory	1-pole (1 motor)	<b>609 VA</b>
white	1-pole (1 motor)	<b>609 VA WW</b>

Ref.-no.

**2-gang blind push-button 10 A / 250 V ~**

mechanical interlocking to avoid switching of both rockers at the same time  
 screwless terminals for wires up to 2.5 mm<sup>2</sup>

ivory	1-pole (1 motor)	<b>639 VA</b>
white	1-pole (1 motor)	<b>639 VA WW</b>

**SCHUKO® socket 16 A / 250 V ~**

1-gang, 61 x 61 x 47 mm  
 screwless terminals for wires up to 2.5 mm<sup>2</sup>

ivory	<b>620 A</b>
white	<b>620 A WW</b>

**SCHUKO® socket 16 A / 250 V ~**

1-gang, 61 x 61 x 39 mm  
 screw terminals for wires up to 2.5 mm<sup>2</sup>

ivory	<b>321 A</b>
white	<b>321 A WW</b>

**SCHUKO® socket 16 A / 250 V ~**

2-gang, 61 x 102 x 47 mm  
 screwless terminals for wires up to 2.5 mm<sup>2</sup>

ivory	<b>6020 A</b>
white	<b>6020 A WW</b>

**with enhanced contact protection (shutter)**

ivory	<b>6020 KIA</b>
white	<b>6020 KIA WW</b>

**SCHUKO® socket 16 A / 250 V ~**

2-gang, 61 x 102 x 47 mm  
 screw terminals for wires up to 2.5 mm<sup>2</sup>

ivory	<b>6022 A</b>
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Ref.-no.	
<b>SCHUKO® socket 16 A / 250 V ~</b>	
<b>with 1-gang / 2-way switch 10 AX / 250 V ~</b>	
dimensions: 61 x 116 x 47 mm	
screw terminals (socket) and screwless terminals (switch) for wires up to 2.5 mm²	
ivory	<b>676 A</b>
white	<b>676 A WW</b>
Switch can be illuminated in OFF-position with lamp ref.-no. 90/95 (230 V), 96-.. (low voltage), or LED lamp ref.-no. 90-LED.. (230 V) or 961248 LED.. (low voltage).	
<b>SCHUKO® socket 16 A / 250 V ~</b>	
<b>with 2-gang switch 10 AX / 250 V ~</b>	
dimensions: 61 x 116 x 47 mm	
ivory	<b>675 A</b>
white	<b>675 A WW</b>
<b>2-gang SCHUKO® socket 16 A / 250 V ~</b>	
<b>with 1-gang / 2-way switch 10 AX / 250 V ~</b>	
ivory	<b>626 A</b>
white	<b>626 A WW</b>
<b>Socket, 2-pole without earth 16 A / 250 V ~</b>	
1-gang, 61 x 61 x 34 mm	
ivory	<b>611 A</b>
white	<b>611 A WW</b>

	Ref.-no.
<b>2-gang socket, 2-pole without earth 16 A / 250 V ~</b>	
ivory	<b>6010 A</b>
white	<b>6010 A WW</b>
<b>with enhanced contact protection (shutter)</b>	
ivory	<b>6010 KIA</b>
white	<b>6010 KIA WW</b>

**Socket, 2-pole without earth 16 A / 250 V ~  
with 1-gang/2-way switch 10 AX / 250 V ~**

ivory	<b>646 A</b>
white	<b>646 A WW</b>

**Socket, 2-pole without earth 16 A / 250 V ~  
with 2-gang switch 10 AX / 250 V ~**

ivory	<b>645 A</b>
white	<b>645 A WW</b>

**Pilot light (without cap)**

screw terminals for wires up to 2.5 mm<sup>2</sup>  
max. 5 W, 230 V

ivory	thread E10	<b>637-10 A</b>
white	thread E10	<b>637-10 A WW</b>
ivory	thread E14	<b>637-14 A</b>
white	thread E14	<b>637-14 A WW</b>

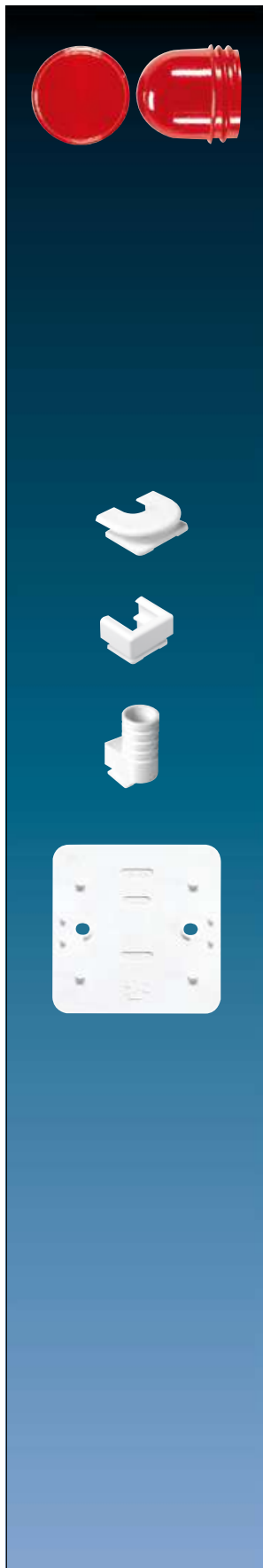
**LED lamp**

approx. 36 mm long  
for pilot lights ref.-no.: 938-14 U, 837-14 W, 637-14 W, 637-14 A, 637-14 A WW  
E14, 230 V ~, 0.4 W

white	<b>E 14 LED W</b>
green	<b>E 14 LED GN</b>
red	<b>E 14 LED RT</b>

average life approx. 30 000 h





	Ref.-no.
<b>Screw cap</b>	
for pilot lights ref.-no.: 637-10 A .., 637-14 A ..	
<b>flat, for lamps up to max. length of 35 mm</b>	
transparent	37.02
red	37.05
green	37.06
yellow	37.07
blue	37.08
<b>high, for lamps up to max. length of 54 mm</b>	
transparent	37
red	37 R
green	37 G
yellow	37 GE
blue	37 BL
<b>Inlets for cables, pipes and trunkings in surface caps</b>	
<b>for cable and mini trunking</b>	
ivory	11
white	11 WW
<b>for trunking 15 x 15 mm</b>	
ivory	12
white	12 WW
<b>for pipes with outside Ø 16 mm</b>	
ivory	13
white	13 WW
<b>Ground plates for AP 600</b>	
non-flammable	
for surface mounting of devices on flammable material	
<b>for single devices</b>	
ivory	328
white	328 WW
<b>for 2-gang socket (e.g. 6020 A ..)</b>	
ivory	328-622
white	328-622 WW
<b>for 2-gang combinations switch / socket (e.g. 676 A ..)</b>	
ivory	328-676
white	328-676 WW
<b>for 3-gang combinations 626 A ..</b>	
ivory	328-626

Ref.-no.

**1-gang switch 1 A 24 V AC/DC****extra flat version – dimensions: 61 x 61 x 16.5 mm**screw terminals for wires up to 2.5 mm<sup>2</sup>

ivory	1-pole, 2-way	<b>306 A-24</b>
white	1-pole, 2-way	<b>306 A-24 WW</b>

**1-gang push-button 1 A 24 V AC/DC (without lens insert)****extra flat version – dimensions: 61 x 61 x 16.5 mm**screw terminals for wires up to 2.5 mm<sup>2</sup>

ivory	1-pole, 1-way (NO contact)	<b>331 A-24</b>
white	1-pole, 1-way (NO contact)	<b>331 A-24 WW</b>
ivory	1-pole, 2-way	<b>333 A-24</b>
white	1-pole, 2-way	<b>333 A-24 WW</b>

Can be converted into pull cord push-button by means of pull cord insert ref.-no. 34.

**Pull cord insert**

red	<b>34</b>
-----	-----------

with 50 mm pull cord

**Insert with symbol, opaque**

for push-buttons ref.-no.: 331 A-24 .., 333 A-24 ..

**ivory**

symbol light	<b>33 L</b>
symbol bell	<b>33 K</b>
symbol door	<b>33 T</b>

**white**

symbol light	<b>33 L WW</b>
symbol bell	<b>33 K WW</b>
symbol door	<b>33 T WW</b>



**Insert without symbol, translucent**

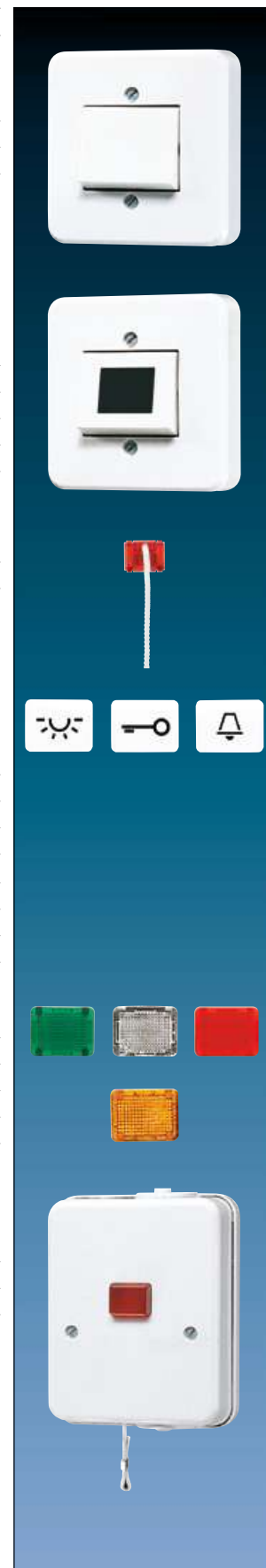
for push-buttons ref.-no.: 331 A-24 .., 333 A-24 ..

green	<b>33 GN</b>
transparent	<b>33 KLAR</b>
orange	<b>33 O</b>
red	<b>33 NR</b>

**Pull cord switch 16 A / 250 V ~****2-pole, 1-way, with indicator light**

103 x 83 x 33.5 mm

ivory		<b>102 KOZ W</b>
white		<b>102 KOZ WW</b>



# KNX system



**SMART PANEL 8**

Smart means communicating with each other. Sensors and actuators ensure intelligent control in a KNX system. We offer the right KNX solution for almost every function in the building. Lighting, shading, heating and air conditioning, security and multimedia: our KNX system covers all these areas and ensures smart automation.





#### PUSH-BUTTON F 10



in A 550 in white

#### PUSH-BUTTON SENSORS



in LS 990 in aluminium

#### KNX ACTUATORS



#### SMART VISU SERVER







#### KNX CATALOGUE





All at a glance: From the easily operable control element to the complex installation, the new edition of the KNX catalogue offers an overview of our entire product range and illustrates the connections of our KNX solutions. From the basic configuration to the high end comfort solution, everything is possible.


The KNX catalogue is available to download at [jung.de/KNX-Catalogue](http://jung.de/KNX-Catalogue)



KNX  
F 50  
AS and A ranges

Ref.-no.	
   	<p><b>KNX standard push-button module</b> including transparent cover ref.-no.: A 50 NA</p> <p><b>Product characteristics</b></p> <ul style="list-style-type: none"><li>• KNX medium: TP 256</li><li>• Push-button functions switching, dimming, blind control, value transmitter, scene recall, etc.</li><li>• To be completed with cover kit</li><li>• Inscription field</li><li>• One red status LED for a pair of buttons</li><li>• One operation LED as an orientation light and to indicate the programming status – red, green or blue adjustable</li><li>• Energy saving mode</li><li>• Integrated bus coupling unit</li><li>• Transparent cover kit (included) for temporary site use without design covers</li></ul> <p><b>Standard, 1-gang</b> ETS product family: Push-button Product type: 1-gang push-button <b>A 5071 TSM</b></p> <p><b>Standard, 2-gang</b> ETS product family: Push-button Product type: 2-gang push-button <b>A 5072 TSM</b></p> <p><b>Standard, 3-gang</b> ETS product family: Push-button Product type: 3-gang push-button <b>A 5073 TSM</b></p> <p><b>Standard, 4-gang</b> ETS product family: Push-button Product type: 4-gang push-button <b>A 5074 TSM</b></p>


























KNX  
F 50  
AS and A ranges

Ref.-no.	
   	<p><b>KNX universal push-button module</b> including transparent cover ref.-no.: A 50 NA</p> <p><b>Product characteristics</b></p> <ul style="list-style-type: none"><li>• KNX medium: TP 256</li><li>• Push-button functions switching, dimming, blind control, value transmitter, scene recall, etc.</li><li>• One or two functions per button</li><li>• To be completed with cover kit</li><li>• Inscription field can be illuminated</li><li>• One status LED per button, red, green or blue, adjustable</li><li>• One operation LED as an orientation light and to indicate the programming status – red, green or blue adjustable</li><li>• Brightness of status LED, operation LED and inscription field adjustable, can be changed during operation, e.g. during night times</li><li>• Measurement of room temperature</li><li>• Extension unit for room temperature controller</li><li>• Disabling function: Disabling or change function mode of single or all button functions</li><li>• Alarm function, optional acknowledge by pressing any button</li><li>• Energy saving mode</li><li>• Integrated bus coupling unit</li><li>• Connection for a push-button extension module, 1-4 gang</li><li>• Transparent cover kit (included) for temporary site use without design covers</li></ul> <p><b>Universal, 1-gang</b> ETS product family: Push-button Product type: 1-gang push-button <b>A 5091 TSM</b></p> <p><b>Universal, 2-gang</b> ETS product family: Push-button Product type: 2-gang push-button <b>A 5092 TSM</b></p> <p><b>Universal, 3-gang</b> ETS product family: Push-button Product type: 3-gang push-button <b>A 5093 TSM</b></p> <p><b>Universal, 4-gang</b> ETS product family: Push-button Product type: 4-gang push-button <b>A 5094 TSM</b></p>










Ref.-no.	
	<b>KNX room temperature controller module 2-gang</b> including transparent cover and inlay with symbols for cover kit 2-gang, ref.-no.: A 502 TSA .. <b>A 5178 TSM</b> <b>Product characteristics</b> All buttons can be assigned with push-button sensor functions or functions for controller operation. <ul style="list-style-type: none"><li>• KNX medium: TP 256</li><li>• Measurement of room temperature</li><li>• Room temperature control with setpoint value specification</li><li>• Extension unit for room temperature controller</li><li>• Push-button functions switching, dimming, blind control, value transmitter, scene recall, etc.</li><li>• One or two functions per button</li><li>• Completion with cover kit 2-gang</li><li>• Inscription field can be illuminated</li><li>• Two red status LEDs per button – red, green or blue adjustable</li><li>• One operation LED as an orientation light and to indicate the programming status – red, green or blue adjustable</li><li>• Brightness of status LEDs, operation LED and labelling field adjustable; switchable while in operation, e.g. during the night</li><li>• Disabling function: Disabling or change function mode of single or all button functions</li><li>• Alarm function, optional acknowledge by pressing any button</li><li>• Energy saving mode (for operation without controller function)</li><li>• Integrated bus coupling unit</li><li>• Connection for a push-button extension module, for extension with up to eight additional buttons</li></ul>
	<b>Push-button extension module</b> including transparent cover ref.-no.: A 50 NA for the extension of the Universal push-button module (ref.-no.: A 509.. TSM) and room temperature controller module (ref.-no.: A 5178 TSM) with up to 4 additional push-buttons 1-gang <b>A 5091 TSEM</b> 2-gang <b>A 5092 TSEM</b> 3-gang <b>A 5093 TSEM</b> 4-gang <b>A 5094 TSEM</b> <ul style="list-style-type: none"><li>• Operation of loads, e.g. light on/off, dimming, blinds up/down, brightness values, temperatures, calling up and saving light scenes, etc.</li><li>• Measurement of room temperature</li><li>• Extension unit for room temperature controller</li></ul> <b>Technical data</b> Cable length: max. 30 m Cable type: J-Y(St)Y 2 x 2 x 0.8 mm





Ref.-no.	
	<b>KNX room controller display compact module</b> <b>Product characteristics</b> All buttons can be assigned with push-button sensor functions or functions for controller operation. <ul style="list-style-type: none"><li>• KNX medium: TP 256</li><li>• Backlit LC display</li><li>• One or two functions per button</li><li>• To be completed with cover kit</li><li>• Eight status LEDs – red, green or blue</li><li>• Brightness of status LEDs and LCD adjustable</li><li>• Integrated bus coupling unit</li><li>• Connection of extension modules</li><li>• Integrated room temperature sensor</li><li>• External sensor (ref.-no.: FF 7.8) can be connected</li><li>• Room temperature control with setpoint value specification</li><li>• Two internal independent controllers for two independent areas – in connection with extension modules</li><li>• Display of room or set temperature (°C or °F)</li><li>• Display of outdoor temperature – with external sensor, e.g. weather station</li><li>• Display of time, in conjunction with KNX time encoder (in menu level)</li><li>• Push-button function or rocker function</li><li>• Disabling function: Disabling or change function mode of single or all button functions</li><li>• Alarm function, optional acknowledge by pressing any button</li></ul>
	<b>KNX room controller display compact module 2-gang</b> for cover kit 2-gang, ref.-no.: A 502 TSA .. can be extended by means of a room controller extension module, ref.-no.: A 5178 TSEM can be extended by means of a push-button extension module, ref.-no.: A 509.. TSEM <b>A 5192 KRM TS D</b> <b>Technical data</b> Recommended mounting height: 1.5 m
	<b>KNX room controller display compact module 4-gang</b> for cover kit 4-gang, ref.-no.: A 504 TSA .. can be extended by means of a room controller extension module, ref.-no.: A 5178 TSEM can be extended by means of a push-button extension module, ref.-no.: A 509.. TSEM <b>A 5194 KRM TS D</b> <b>Technical data</b> Recommended mounting height: 1.5 m
	<b>Room controller extension module 2-gang</b> for cover kit 2-gang, ref.-no.: A 502 TSA .. for the extension of a room controller module (ref.-no.: A 5192 KRM TS D, A 5194 KRM TS D) with a second room temperature control unit <b>A 5178 TSEM</b> <b>Technical data</b> Cable length: max. 30 m Cable type: J-Y(St)Y 2 x 2 x 0.8 mm





KNX  
F 50  
AS and A ranges

Ref.-no.	
	<b>Cover kits for AS and A ranges</b>
	<b>Cover kit 1-gang</b> to clip on F 50 push-button modules 1-gang of the AS/A range ref.-no.: A 5071 TSM, A 5091 TSM, A 5091 TSEM, A 5071 RF TSM, A 5212 TSM, FM A 5001 M
	<b>Thermoplastic (breakproof) high-gloss</b> ivory  <b>A 501 TSA</b> white  <b>A 501 TSA WW</b> black  <b>A 501 TSA SW</b>
	<b>Thermoplastic (breakproof) lacquered</b> aluminium  <b>A 501 TSA AL</b> champagne  <b>A 501 TSA CH</b> mocha <b>A 501 TSA MO</b>
	<b>matt lacquered</b> matt snow white <b>A 501 TSA WWM</b> matt graphite black <b>A 501 TSA SWM</b> matt anthracite <b>A 501 TSA ANM</b>
	<b>Cover kit 2-gang</b> to clip on F 50 push-button modules 2-gang of the AS/A range ref.-no.: A 5072 TSM, A 5092 TSM, A 5092 TSEM, A 5178 TSM, A 5192 KRM TS D, A 5178 TSEM, A 5072 RF TSM, A 5224 TSM, FM A 5002 M
	<b>Thermoplastic (breakproof) high-gloss</b> ivory  <b>A 502 TSA</b> white  <b>A 502 TSA WW</b> black  <b>A 502 TSA SW</b>
	<b>Thermoplastic (breakproof) lacquered</b> aluminium  <b>A 502 TSA AL</b> champagne  <b>A 502 TSA CH</b> mocha <b>A 502 TSA MO</b>
	<b>matt lacquered</b> matt snow white <b>A 502 TSA WWM</b> matt graphite black <b>A 502 TSA SWM</b> matt anthracite <b>A 502 TSA ANM</b>
	<b>Cover kit 3-gang</b> to clip on F 50 push-button modules 3-gang of the AS/A range ref.-no.: A 5073 TSM, A 5093 TSM, A 5093 TSEM, A 5073 RF TSM, A 5236 TSM, FM A 5003 M, SI TM A 5073, SI TM A 5093
	<b>Thermoplastic (breakproof) high-gloss</b> ivory  <b>A 503 TSA</b> white  <b>A 503 TSA WW</b> black  <b>A 503 TSA SW</b>
	<b>Thermoplastic (breakproof) lacquered</b> aluminium  <b>A 503 TSA AL</b> champagne  <b>A 503 TSA CH</b> mocha <b>A 503 TSA MO</b>
	<b>matt lacquered</b> matt snow white <b>A 503 TSA WWM</b> matt graphite black <b>A 503 TSA SWM</b> matt anthracite <b>A 503 TSA ANM</b>
	<b>Cover kit 4-gang</b> to clip on F 50 push-button modules 4-gang of the AS/A range ref.-no.: A 5074 TSM, A 5094 TSM, A 5094 TSEM, A 5194 KRM TS D, A 5074 RF TSM, A 5248 TSM, FM A 5004 M
	<b>Thermoplastic (breakproof) high-gloss</b> ivory  <b>A 504 TSA</b> white  <b>A 504 TSA WW</b> black  <b>A 504 TSA SW</b>
	<b>Thermoplastic (breakproof) lacquered</b> aluminium  <b>A 504 TSA AL</b> champagne  <b>A 504 TSA CH</b> mocha <b>A 504 TSA MO</b>
	<b>matt lacquered</b> matt snow white <b>A 504 TSA WWM</b> matt graphite black <b>A 504 TSA SWM</b> matt anthracite <b>A 504 TSA ANM</b>
	
	
	

KNX  
F 50  
AS and A ranges

Ref.-no.	
	<b>Transparent cover with paper inlay</b> (Spare part) to clip on F 50 push-button modules of the AS/A range ref.-no.: A 507.. TSM, A 509.. TSM, A 509.. TSEM, A 5178 TSM, A 51.. KRM TS D, A 5178 TSEM, A 507.. RF TSM, A 52.. TSM, FM A 50.. M Also included in delivery of modules. inscription field 25 x 52.5 mm paper inlay pearly <b>A 50 NA</b>
	<b>Neutral cover</b> to clip on F 50 push-button modules of the AS/A range ref.-no.: A 507.. TSM, A 509.. TSM, A 509.. TSEM, A 5178 TSM, A 51.. KRM TS D, A 5178 TSEM, A 507.. RF TSM, A 52.. TSM, FM A 50.. M dimensions: 25 x 55 mm
	<b>Thermoplastic (breakproof) high-gloss</b> ivory  <b>A 50 NA W</b> white  <b>A 50 NA WW</b> black  <b>A 50 NA SW</b>
	<b>Thermoplastic (breakproof) lacquered</b> aluminium  <b>A 50 NA AL</b> champagne  <b>A 50 NA CH</b> mocha <b>A 50 NA MO</b>
	<b>matt lacquered</b> matt snow white <b>A 50 NA WWM</b> matt graphite black <b>A 50 NA SWM</b> matt anthracite <b>A 50 NA ANM</b>
	<b>Professional inscription see <a href="http://www.jung.de/gt">www.jung.de/gt</a></b>
	<b>Cover, suitable for backlighting</b> to clip on F 50 push-button modules of the AS/A range ref.-no.: A 507.. TSM, A 509.. TSM, A 509.. TSEM, A 5178 TSM, A 51.. KRM TS D, A 5178 TSEM, A 507.. RF TSM, A 52.. TSM, FM A 50.. M dimensions: 25 x 55 mm The cover is lacquered on the back and can be lasered individually using the Graphic Tool.
	<b>Order only via Graphic Tool: <a href="http://www.jung.de/gt">www.jung.de/gt</a></b>
	<b>Thermoplastic (breakproof) high-gloss</b> black  <b>A 50 NA TX SW-L</b>
	
	

Ref.-no.	
   	<p><b>KNX standard push-button module</b> including transparent cover ref.-no.: CD 50 NA</p> <p><b>Product characteristics</b></p> <ul style="list-style-type: none"><li>• KNX medium: TP 256</li><li>• Push-button functions switching, dimming, blind control, value transmitter, scene recall, etc.</li><li>• To be completed with cover kit</li><li>• Inscription field</li><li>• One red status LED for a pair of buttons</li><li>• One operation LED as an orientation light and to indicate the programming status – red, green or blue adjustable</li><li>• Energy saving mode</li><li>• Integrated bus coupling unit</li><li>• Transparent cover kit (included) for temporary site use without design covers</li></ul> <p><b>Standard, 1-gang</b> ETS product family: Push-button Product type: 1-gang push-button <b>CD 5071 TSM</b></p> <p><b>Standard, 2-gang</b> ETS product family: Push-button Product type: 2-gang push-button <b>CD 5072 TSM</b></p> <p><b>Standard, 3-gang</b> ETS product family: Push-button Product type: 3-gang push-button <b>CD 5073 TSM</b></p> <p><b>Standard, 4-gang</b> ETS product family: Push-button Product type: 4-gang push-button <b>CD 5074 TSM</b></p>

Ref.-no.	
   	<p><b>KNX universal push-button module</b> including transparent cover ref.-no.: CD 50 NA</p> <p><b>Product characteristics</b></p> <ul style="list-style-type: none"><li>• KNX medium: TP 256</li><li>• Push-button functions switching, dimming, blind control, value transmitter, scene recall, etc.</li><li>• One or two functions per button</li><li>• To be completed with cover kit</li><li>• Inscription field can be illuminated</li><li>• One status LED per button, red, green or blue, adjustable</li><li>• One operation LED as an orientation light and to indicate the programming status – red, green or blue adjustable</li><li>• Brightness of status LED, operation LED and inscription field adjustable, can be changed during operation, e.g. during night times</li><li>• Measurement of room temperature</li><li>• Extension unit for room temperature controller</li><li>• Disabling function: Disabling or change function mode of single or all button functions</li><li>• Alarm function, optional acknowledge by pressing any button</li><li>• Energy saving mode</li><li>• Integrated bus coupling unit</li><li>• Connection for a push-button extension module, 1-4 gang</li><li>• Transparent cover kit (included) for temporary site use without design covers</li></ul> <p><b>Universal, 1-gang</b> ETS product family: Push-button Product type: 1-gang push-button <b>CD 5091 TSM</b></p> <p><b>Universal, 2-gang</b> ETS product family: Push-button Product type: 2-gang push-button <b>CD 5092 TSM</b></p> <p><b>Universal, 3-gang</b> ETS product family: Push-button Product type: 3-gang push-button <b>CD 5093 TSM</b></p> <p><b>Universal, 4-gang</b> ETS product family: Push-button Product type: 4-gang push-button <b>CD 5094 TSM</b></p>

Ref.-no.



**KNX room temperature controller module 2-gang**  
including transparent cover and inlay with symbols  
for cover kit 2-gang, ref.-no.: CD 502 TSA ..

**CD 5178 TSM**

**Product characteristics**

All buttons can be assigned with push-button sensor functions or functions for controller operation.

- KNX medium: TP 256
- Measurement of room temperature
- Room temperature control with setpoint value specification
- Extension unit for room temperature controller
- Push-button functions switching, dimming, blind control, value transmitter, scene recall, etc.
- One or two functions per button
- Completion with cover kit 2-gang
- Inscription field can be illuminated
- Two red status LEDs per button – red, green or blue adjustable
- One operation LED as an orientation light and to indicate the programming status – red, green or blue adjustable
- Brightness of status LEDs, operation LED and labelling field adjustable; switchable while in operation, e.g. during the night
- Disabling function: Disabling or change function mode of single or all button functions
- Alarm function, optional acknowledge by pressing any button
- Energy saving mode (for operation without controller function)
- Integrated bus coupling unit
- Connection for a push-button extension module, for extension with up to eight additional buttons

**Push-button extension module**

including transparent cover ref.-no.: CD 50 NA  
for the extension of the Universal push-button module (ref.-no.: CD 509.. TSM) and room temperature controller module (ref.-no.: CD 5178 TSM) with up to 4 additional push-buttons

- 1-gang **CD 5091 TSEM**
- 2-gang **CD 5092 TSEM**
- 3-gang **CD 5093 TSEM**
- 4-gang **CD 5094 TSEM**

- Operation of loads, e.g. light on/off, dimming, blinds up/down, brightness values, temperatures, calling up and saving light scenes, etc.
- Measurement of room temperature
- Extension unit for room temperature controller

**Technical data**

Cable length: max. 30 m  
Cable type: J-Y(St)Y 2 x 2 x 0.8 mm



Ref.-no.

**KNX room controller display compact module**

**Product characteristics**

All buttons can be assigned with push-button sensor functions or functions for controller operation.

- KNX medium: TP 256
- Backlit LC display
- One or two functions per button
- To be completed with cover kit
- Eight status LEDs – red, green or blue
- Brightness of status LEDs and LCD adjustable
- Integrated bus coupling unit
- Connection of extension modules
- Integrated room temperature sensor
- External sensor (ref.-no.: FF 7.8) can be connected
- Room temperature control with setpoint value specification
- Two internal independent controllers for two independent areas – in connection with extension modules
- Display of room or set temperature (°C or °F)
- Display of outdoor temperature – with external sensor, e.g. weather station
- Display of time, in conjunction with KNX time encoder (in menu level)
- Push-button function or rocker function
- Disabling function: Disabling or change function mode of single or all button functions
- Alarm function, optional acknowledge by pressing any button

**KNX room controller display compact module 2-gang**

for cover kit 2-gang, ref.-no.: CD 502 TSA ..  
can be extended by means of a room controller extension module, ref.-no.: CD 5178 TSEM  
can be extended by means of a push-button extension module, ref.-no.: CD 509.. TSEM

**CD 5192 KRM TS D**

- Function symbols can be shown

**Technical data**

Recommended  
mounting height: 1.5 m



**KNX room controller display compact module 4-gang**

for cover kit 4-gang, ref.-no.: CD 504 TSA ..  
can be extended by means of a room controller extension module, ref.-no.: CD 5178 TSEM  
can be extended by means of a push-button extension module, ref.-no.: CD 509.. TSEM

**CD 5194 KRM TS D**

- Function symbols can be shown

**Technical data**

Recommended  
mounting height: 1.5 m



**Room controller extension module 2-gang**

for cover kit 2-gang, ref.-no.: CD 502 TSA ..  
for the extension of a room controller module (ref.-no.: CD 5192 KRM TS D, CD 5194 KRM TS D)  
with a second room temperature control unit  
**CD 5178 TSEM**

**Technical data**

Cable length: max. 30 m  
Cable type: J-Y(St)Y 2 x 2 x 0.8 mm



KNX  
F 50  
CD range


Ref.-no.	
	<b>Cover kits for CD range</b>
	<b>Cover kit 1-gang</b> to clip on F 50 push-button modules 1-gang of the CD range ref.-no.: CD 5071 TSM, CD 5091 TSM, CD 5091 TSEM, CD 5071 RF TSM, CD 5212 TSM, FM CD 5001 M
	<b>Thermoplastic (breakproof) high-gloss</b> ivory <b>CD 501 TSA</b> white <b>CD 501 TSA WW</b> grey <b>CD 501 TSA GR</b> light grey <b>CD 501 TSA LG</b> black <b>CD 501 TSA SW</b>
	<b>Cover kit 2-gang</b> to clip on F 50 push-button modules 2-gang of the CD range ref.-no.: CD 5072 TSM, CD 5092 TSM, CD 5092 TSEM, CD 5178 TSM, CD 5192 KRM TS D, CD 5178 TSEM, CD 5072 RF TSM, CD 5224 TSM, FM CD 5002 M
	<b>Thermoplastic (breakproof) high-gloss</b> ivory <b>CD 502 TSA</b> white <b>CD 502 TSA WW</b> grey <b>CD 502 TSA GR</b> light grey <b>CD 502 TSA LG</b> black <b>CD 502 TSA SW</b>
	<b>Cover kit 3-gang</b> to clip on F 50 push-button modules 3-gang of the CD range ref.-no.: CD 5073 TSM, CD 5093 TSM, CD 5093 TSEM, CD 5073 RF TSM, CD 5236 TSM, FM CD 5003 M, SI TM CD 5073, SI TM CD 5093
	<b>Thermoplastic (breakproof) high-gloss</b> ivory <b>CD 503 TSA</b> white <b>CD 503 TSA WW</b> grey <b>CD 503 TSA GR</b> light grey <b>CD 503 TSA LG</b> black <b>CD 503 TSA SW</b>
	<b>Cover kit 4-gang</b> to clip on F 50 push-button modules 4-gang of the CD range ref.-no.: CD 5074 TSM, CD 5094 TSM, CD 5094 TSEM, CD 5194 KRM TS D, CD 5074 RF TSM, CD 5248 TSM, FM CD 5004 M
	<b>Thermoplastic (breakproof) high-gloss</b> ivory <b>CD 504 TSA</b> white <b>CD 504 TSA WW</b> grey <b>CD 504 TSA GR</b> light grey <b>CD 504 TSA LG</b> black <b>CD 504 TSA SW</b>

KNX  
F 50  
CD range





Ref.-no.	
	<b>Transparent cover with paper inlay</b> (Spare part) to clip on F 50 push-button modules of the CD range ref.-no.: CD 507.. TSM, CD 509.. TSM, CD 509.. TSEM, CD 5178 TSM, CD 51.. KRM TS D, CD 5178 TSEM, CD 507.. RF TSM, CD 52.. TSM, FM CD 50.. M Also included in delivery of modules. inscription field 33 x 64 mm paper inlay pearly <b>CD 50 NA</b>
	<b>Neutral cover</b> to clip on F 50 push-button modules of the CD range ref.-no.: CD 507.. TSM, CD 509.. TSM, CD 509.. TSEM, CD 5178 TSM, CD 51.. KRM TS D, CD 5178 TSEM, CD 507.. RF TSM, CD 52.. TSM, FM CD 50.. M dimensions: 33 x 68 mm
	<b>Thermoplastic (breakproof) high-gloss</b> ivory <b>CD 50 NA W</b> white <b>CD 50 NA WW</b> grey <b>CD 50 NA GR</b> light grey <b>CD 50 NA LG</b> black <b>CD 50 NA SW</b>
	<b>Professional inscription see <a href="http://www.jung.de/gt">www.jung.de/gt</a></b>
	<b>Cover, suitable for backlighting</b> to clip on F 50 push-button modules of the CD range ref.-no.: CD 507.. TSM, CD 509.. TSM, CD 509.. TSEM, CD 5178 TSM, CD 51.. KRM TS D, CD 5178 TSEM, CD 507.. RF TSM, CD 52.. TSM, FM CD 50.. M dimensions: 33 x 68 mm The cover is lacquered on the back and can be lasered individually using the Graphic Tool. <b>Order only via Graphic Tool: <a href="http://www.jung.de/gt">www.jung.de/gt</a></b> <b>Thermoplastic (breakproof) high-gloss</b> black <b>CD 50 NA TX SW-L</b>



KNX  
F 50  
LS range

Ref.-no.	
   	<p><b>KNX standard push-button module</b> including transparent cover ref.-no.: LS 50 NA</p> <p><b>Product characteristics</b></p> <ul style="list-style-type: none"><li>• KNX medium: TP 256</li><li>• Push-button functions switching, dimming, blind control, value transmitter, scene recall, etc.</li><li>• To be completed with cover kit</li><li>• Inscription field</li><li>• One red status LED for a pair of buttons</li><li>• One operation LED as an orientation light and to indicate the programming status – red, green or blue adjustable</li><li>• Energy saving mode</li><li>• Integrated bus coupling unit</li><li>• Transparent cover kit (included) for temporary site use without design covers</li></ul> <p><b>Standard, 1-gang</b> ETS product family: Push-button Product type: 1-gang push-button <b>LS 5071 TSM</b></p> <p><b>Standard, 2-gang</b> ETS product family: Push-button Product type: 2-gang push-button <b>LS 5072 TSM</b></p> <p><b>Standard, 3-gang</b> ETS product family: Push-button Product type: 3-gang push-button <b>LS 5073 TSM</b></p> <p><b>Standard, 4-gang</b> ETS product family: Push-button Product type: 4-gang push-button <b>LS 5074 TSM</b></p>

KNX  
F 50  
LS range

Ref.-no.	
   	<p><b>KNX universal push-button module</b> including transparent cover ref.-no.: LS 50 NA</p> <p><b>Product characteristics</b></p> <ul style="list-style-type: none"><li>• KNX medium: TP 256</li><li>• Push-button functions switching, dimming, blind control, value transmitter, scene recall, etc.</li><li>• One or two functions per button</li><li>• To be completed with cover kit</li><li>• Inscription field can be illuminated</li><li>• One status LED per button, red, green or blue, adjustable</li><li>• One operation LED as an orientation light and to indicate the programming status – red, green or blue adjustable</li><li>• Brightness of status LED, operation LED and inscription field adjustable, can be changed during operation, e.g. during night times</li><li>• Measurement of room temperature</li><li>• Extension unit for room temperature controller</li><li>• Disabling function: Disabling or change function mode of single or all button functions</li><li>• Alarm function, optional acknowledge by pressing any button</li><li>• Energy saving mode</li><li>• Integrated bus coupling unit</li><li>• Connection for a push-button extension module, 1-4 gang</li><li>• Transparent cover kit (included) for temporary site use without design covers</li></ul> <p><b>Universal, 1-gang</b> ETS product family: Push-button Product type: 1-gang push-button <b>LS 5091 TSM</b></p> <p><b>Universal, 2-gang</b> ETS product family: Push-button Product type: 2-gang push-button <b>LS 5092 TSM</b></p> <p><b>Universal, 3-gang</b> ETS product family: Push-button Product type: 3-gang push-button <b>LS 5093 TSM</b></p> <p><b>Universal, 4-gang</b> ETS product family: Push-button Product type: 4-gang push-button <b>LS 5094 TSM</b></p>



Ref.-no.



**KNX room temperature controller module 2-gang**  
including transparent cover and inlay with symbols  
for cover kit 2-gang, ref.-no.: ..502 TSA .. in the LS range  
**LS 5178 TSM**

**Product characteristics**

All buttons can be assigned with push-button sensor functions or functions for controller operation.

- KNX medium: TP 256
- Measurement of room temperature
- Room temperature control with setpoint value specification
- Extension unit for room temperature controller
- Push-button functions switching, dimming, blind control, value transmitter, scene recall, etc.
- One or two functions per button
- Completion with cover kit 2-gang
- Inscription field can be illuminated
- Two red status LEDs per button – red, green or blue adjustable
- One operation LED as an orientation light and to indicate the programming status – red, green or blue adjustable
- Brightness of status LEDs, operation LED and labelling field adjustable; switchable while in operation, e.g. during the night
- Disabling function: Disabling or change function mode of single or all button functions
- Alarm function, optional acknowledge by pressing any button
- Energy saving mode (for operation without controller function)
- Integrated bus coupling unit
- Connection for a push-button extension module, for extension with up to eight additional buttons



**Push-button extension module**

including transparent cover ref.-no.: LS 50 NA  
for the extension of the Universal push-button module (ref.-no.: LS 509.. TSM) and room temperature controller module (ref.-no.: LS 5178 TSM)  
with up to 4 additional push-buttons

- 1-gang **LS 5091 TSEM**
- 2-gang **LS 5092 TSEM**
- 3-gang **LS 5093 TSEM**
- 4-gang **LS 5094 TSEM**

- Operation of loads, e.g. light on/off, dimming, blinds up/down, brightness values, temperatures, calling up and saving light scenes, etc.
- Measurement of room temperature
- Extension unit for room temperature controller

**Technical data**

Cable length: max. 30 m  
Cable type: J-Y(St)Y 2 x 2 x 0.8 mm

Ref.-no.

**KNX room controller display compact module**  
**Product characteristics**

All buttons can be assigned with push-button sensor functions or functions for controller operation.

- KNX medium: TP 256
- Backlit LC display
- One or two functions per button
- To be completed with cover kit
- Eight status LEDs – red, green or blue
- Brightness of status LEDs and LCD adjustable
- Integrated bus coupling unit
- Connection of extension modules
- Integrated room temperature sensor
- External sensor (ref.-no.: FF 7.8) can be connected
- Room temperature control with setpoint value specification
- Two internal independent controllers for two independent areas – in connection with extension modules
- Display of room or set temperature (°C or °F)
- Display of outdoor temperature – with external sensor, e.g. weather station
- Display of time, in conjunction with KNX time encoder (in menu level)
- Push-button function or rocker function
- Disabling function: Disabling or change function mode of single or all button functions
- Alarm function, optional acknowledge by pressing any button



**KNX room controller display compact module 2-gang**  
for cover kit 2-gang, ref.-no.: ..502 TSA .. in the LS range  
can be extended by means of a room controller extension module, ref.-no.: LS 5178 TSEM  
can be extended by means of a push-button extension module, ref.-no.: LS 509.. TSEM

**LS 5192 KRM TS D**

- Function symbols can be shown

**Technical data**

Recommended  
mounting height: 1.5 m



**KNX room controller display compact module 4-gang**  
for cover kit 4-gang, ref.-no.: ..504 TSA .. in the LS range  
can be extended by means of a room controller extension module, ref.-no.: LS 5178 TSEM  
can be extended by means of a push-button extension module, ref.-no.: LS 509.. TSEM

**LS 5194 KRM TS D**

- Function symbols can be shown

**Technical data**

Recommended  
mounting height: 1.5 m













































**Room controller extension module 2-gang**  
for cover kit 2-gang, ref.-no.: ..502 TSA .. in the LS range  
for the extension of a room controller module (ref.-no.: LS 5192 KRM TS D, LS 5194 KRM TS D) with a second room temperature control unit

**LS 5178 TSEM**






**Technical data**

Cable length: max. 30 m  
Cable type: J-Y(St)Y 2 x 2 x 0.8 mm

Ref.-no.	
	<b>Cover kits for LS range</b>
	<b>Cover kit 1-gang</b> to clip on F 50 push-button modules 1-gang of the LS range ref.-no.: LS 5071 TSM, LS 5091 TSM, LS 5091 TSEM, LS 5071 RF TSM, LS 5212 TSM, FM LS 5001 M
	<b>Thermoplastic (breakproof) high-gloss</b> ivory  <b>LS 501 TSA</b> white  <b>LS 501 TSA WW</b> light grey  <b>LS 501 TSA LG</b> black  <b>LS 501 TSA SW</b>
	<b>matt lacquered</b> matt snow white <b>LS 501 TSA WWM</b> matt graphite black <b>LS 501 TSA SWM</b>
	<b>metal versions</b> aluminium   <b>AL 2501 TSA</b> stainless steel  <b>ES 2501 TSA</b> anthracite (aluminium lacquered) <b>AL 2501 TSA AN</b> dark (aluminium lacquered) <b>AL 2501 TSA D</b> chrome <b>GCR 2501 TSA</b> gold-coloured <b>GO 2501 TSA</b> gold-plated <b>LS 501 TSA GGO</b> classic brass  <b>ME 2501 TSA C</b> antique brass <b>ME 2501 TSA AT</b>
	<b>Cover kit 2-gang</b> to clip on F 50 push-button modules 2-gang of the LS range ref.-no.: LS 5072 TSM, LS 5092 TSM, LS 5092 TSEM, LS 5178 TSM, LS 5192 KRM TS D, LS 5178 TSEM, LS 5072 RF TSM, LS 5224 TSM, FM LS 5002 M
	<b>Thermoplastic (breakproof) high-gloss</b> ivory  <b>LS 502 TSA</b> white  <b>LS 502 TSA WW</b> light grey  <b>LS 502 TSA LG</b> black  <b>LS 502 TSA SW</b>
	<b>matt lacquered</b> matt snow white <b>LS 502 TSA WWM</b> matt graphite black <b>LS 502 TSA SWM</b>
	<b>metal versions</b> aluminium   <b>AL 2502 TSA</b> stainless steel  <b>ES 2502 TSA</b> anthracite (aluminium lacquered) <b>AL 2502 TSA AN</b> dark (aluminium lacquered) <b>AL 2502 TSA D</b> chrome <b>GCR 2502 TSA</b> gold-coloured <b>GO 2502 TSA</b> gold-plated <b>LS 502 TSA GGO</b> classic brass  <b>ME 2502 TSA C</b> antique brass <b>ME 2502 TSA AT</b>

Ref.-no.	
	<b>Cover kit 3-gang</b> to clip on F 50 push-button modules 3-gang of the LS range ref.-no.: LS 5073 TSM, LS 5093 TSM, LS 5093 TSEM, LS 5073 RF TSM, LS 5236 TSM, FM LS 5003 M, SI TM LS 5073, SI TM LS 5093
	<b>Thermoplastic (breakproof) high-gloss</b> ivory  <b>LS 503 TSA</b> white  <b>LS 503 TSA WW</b> light grey  <b>LS 503 TSA LG</b> black  <b>LS 503 TSA SW</b>
	<b>matt lacquered</b> matt snow white <b>LS 503 TSA WWM</b> matt graphite black <b>LS 503 TSA SWM</b>
	<b>metal versions</b> aluminium   <b>AL 2503 TSA</b> stainless steel  <b>ES 2503 TSA</b> anthracite (aluminium lacquered) <b>AL 2503 TSA AN</b> dark (aluminium lacquered) <b>AL 2503 TSA D</b> chrome <b>GCR 2503 TSA</b> gold-coloured <b>GO 2503 TSA</b> gold-plated <b>LS 503 TSA GGO</b> classic brass  <b>ME 2503 TSA C</b> antique brass <b>ME 2503 TSA AT</b>
	<b>Cover kit 4-gang</b> to clip on F 50 push-button modules 4-gang of the LS range ref.-no.: LS 5074 TSM, LS 5094 TSM, LS 5094 TSEM, LS 5194 KRM TS D, LS 5074 RF TSM, LS 5248 TSM, FM LS 5004 M
	<b>Thermoplastic (breakproof) high-gloss</b> ivory  <b>LS 504 TSA</b> white  <b>LS 504 TSA WW</b> light grey  <b>LS 504 TSA LG</b> black  <b>LS 504 TSA SW</b>
	<b>matt lacquered</b> matt snow white <b>LS 504 TSA WWM</b> matt graphite black <b>LS 504 TSA SWM</b>
	<b>metal versions</b> aluminium   <b>AL 2504 TSA</b> stainless steel  <b>ES 2504 TSA</b> anthracite (aluminium lacquered) <b>AL 2504 TSA AN</b> dark (aluminium lacquered) <b>AL 2504 TSA D</b> chrome <b>GCR 2504 TSA</b> gold-coloured <b>GO 2504 TSA</b> gold-plated <b>LS 504 TSA GGO</b> classic brass  <b>ME 2504 TSA C</b> antique brass <b>ME 2504 TSA AT</b>
	

KNX  
F 50  
LS range

Ref.-no.	
	
	<b>Transparent cover with paper inlay</b> (Spare part) to clip on F 50 push-button modules of the LS range ref.-no.: LS 507.. TSM, LS 509.. TSM, LS 509.. TSEM, LS 5178 TSM, LS 5178 TSEM, LS 507.. RF TSM, LS 52.. TSM, FM LS 50.. M Also included in delivery of modules. inscription field 33 x 67.5 mm paper inlay pearly <b>LS 50 NA</b>
	
	<b>Neutral cover</b> to clip on F 50 push-button modules of the LS range ref.-no.: LS 507.. TSM, LS 509.. TSM, LS 509.. TSEM, LS 5178 TSM, LS 5178 TSEM, LS 507.. RF TSM, LS 52.. TSM, FM LS 50.. M dimensions: 33 x 70.5 mm <b>Thermoplastic (breakproof) high-gloss</b> ivory <b>LS 50 NA W</b> white <b>LS 50 NA WW</b> light grey <b>LS 50 NA LG</b> black <b>LS 50 NA SW</b> <b>matt lacquered</b> matt snow white <b>LS 50 NA WWM</b> matt graphite black <b>LS 50 NA SWM</b> <b>metal colours (thermoplastic lacquered)</b> aluminium (lacquered)  <b>AL 50 NA-L</b> stainless steel (lacquered)  <b>ES 50 NA-L</b> anthracite (lacquered) <b>AL 50 NA AN-L</b> dark (lacquered) <b>AL 50 NA D-L</b> classic brass (lacquered)  <b>ME 50 NA C-L</b> antique brass (lacquered) <b>ME 50 NA AT-L</b>  <b>Professional inscription see <a href="http://www.jung.de/gt">www.jung.de/gt</a></b>

KNX  
F 50  
LS range

Ref.-no.	
	
	<b>Cover, suitable for backlighting</b> to clip on F 50 push-button modules of the LS range ref.-no.: LS 507.. TSM, LS 509.. TSM, LS 509.. TSEM, LS 5178 TSM, LS 5178 TSEM, LS 507.. RF TSM, LS 52.. TSM, FM LS 50.. M dimensions: 33 x 70.5 mm The cover is lacquered on the back and can be lasered individually using the Graphic Tool. <b>Order only via Graphic Tool: <a href="http://www.jung.de/gt">www.jung.de/gt</a></b> <b>Thermoplastic (breakproof) high-gloss</b> black  <b>LS 50 NA TX SW-L</b>

Ref.-no.	Ref.-no.								
<div><div></div><div><p><b>KNX standard push-button module</b></p><p>Adapter frames are included in delivery: ref.-no. LS 4 AR for LS range (pre-mounted) and ref.-no. CD 4 AR for CD range. AS / A ranges without adapter frame. Only with the ETS 3.0d version or later versions the full functionality will be available.</p><p><b>Intended use</b></p><ul style="list-style-type: none"><li>• Operation of loads, e.g. light on/off, dimming, blinds up/ down, calling up and saving light scenes, etc.</li><li>• Installation in flush box according to EN 60670-1</li></ul><p><b>Product characteristics</b></p><ul style="list-style-type: none"><li>• KNX medium: TP 256</li><li>• Push-button functions switching, dimming, blind control, value transmitter, scene recall, etc.</li><li>• To be completed with cover kit</li><li>• One red status LED per button</li><li>• One blue operation LED as an orientation light and to indicate the programming status</li><li>• Integrated bus coupling unit</li><li>• Transparent cover kit (included) for temporary site use without design covers</li></ul><p><b>Standard, 1-gang</b> ETS product family: Push-button Product type: 1-gang push-button 1 blue LED: operation indication 1 red LED: status indication <b>4071 TSM</b></p><p><b>Standard, 2-gang</b> ETS product family: Push-button Product type: 2-gang push-button 1 blue LED: operation indication 2 red LED: status indication <b>4072 TSM</b></p><p><b>Standard, 3-gang</b> ETS product family: Push-button Product type: 3-gang push-button 1 blue LED: operation indication 3 red LED: status indication <b>4073 TSM</b></p><p><b>Standard, 4-gang</b> ETS product family: Push-button Product type: 4-gang push-button 1 blue LED: operation indication 4 red LED: status indication <b>4074 TSM</b></p></div></div>	<div><div></div><div><p><b>KNX universal push-button module</b></p><p>can be extended by means of a push-button extension module, ref.-no.: 409.. TSEM Adapter frames are included in delivery: ref.-no. LS 4 AR for LS range (pre-mounted) and ref.-no. CD 4 AR for CD range. AS / A ranges without adapter frame. Only with the ETS 3.0d version or later versions the full functionality will be available.</p><p><b>Intended use</b></p><ul style="list-style-type: none"><li>• Operation of loads, e.g. light on/off, dimming, blinds up/ down, brightness values, temperatures, calling up and saving light scenes, etc.</li><li>• Installation in flush box according to EN 60670-1</li></ul><p><b>Product characteristics</b></p><ul style="list-style-type: none"><li>• KNX medium: TP 256</li><li>• Push-button functions switching, dimming, blind control, value transmitter, scene recall, etc.</li><li>• Measurement of room temperature</li><li>• To be completed with cover kit</li><li>• Two red status LEDs per button</li><li>• One blue operation LED as an orientation light and to indicate the programming status</li><li>• Integrated bus coupling unit</li><li>• One, two or three functions per button</li><li>• Push-button function or rocker function, vertical or horizontal</li><li>• Connection for a push-button extension module, 1-4 gang</li><li>• Transparent cover kit (included) for temporary site use without design covers</li></ul><p><b>Universal, 1-gang</b> ETS product family: Push-button Product type: 1-gang push-button 1 blue LED: operation indication 2 red LED: status indication <b>4191 TSM</b></p><p><b>Universal, 2-gang</b> ETS product family: Push-button Product type: 2-gang push-button 1 blue LED: operation indication 4 red LED: status indication <b>4192 TSM</b></p><p><b>Universal, 3-gang</b> ETS product family: Push-button Product type: 3-gang push-button 1 blue LED: operation indication 6 red LED: status indication <b>4193 TSM</b></p><p><b>Universal, 4-gang</b> ETS product family: Push-button Product type: 4-gang push-button 1 blue LED: operation indication 8 red LED: status indication <b>4194 TSM</b></p><p><b>Push-button extension module</b> for the extension of up to 4 additional push-buttons for the devices:</p><ul style="list-style-type: none"><li>• Universal push-button module (ref.-no. 419.. TSM)</li><li>• Room controller display compact module (ref.-no. 4093 KRM TS D)</li></ul><p>preferred installation: vertical Adapter frames are included in delivery: ref.-no. LS 4 AR for LS range (pre-mounted) and ref.-no. CD 4 AR for CD range. AS / A ranges without adapter frame. red LED: status indication</p><table><tr><td>1-gang</td><td><b>4091 TSEM</b></td></tr><tr><td>2-gang</td><td><b>4092 TSEM</b></td></tr><tr><td>3-gang</td><td><b>4093 TSEM</b></td></tr><tr><td>4-gang</td><td><b>4094 TSEM</b></td></tr></table></div></div>	1-gang	<b>4091 TSEM</b>	2-gang	<b>4092 TSEM</b>	3-gang	<b>4093 TSEM</b>	4-gang	<b>4094 TSEM</b>
1-gang	<b>4091 TSEM</b>								
2-gang	<b>4092 TSEM</b>								
3-gang	<b>4093 TSEM</b>								
4-gang	<b>4094 TSEM</b>								





KNX  
F 40  
AS and A ranges

Ref.-no.	
	<b>Cover kits for AS and A ranges</b>
	<b>Cover kit 1-gang</b> to clip on F 40 push-button modules 1-gang ref.-no.: 4071 TSM, 4191 TSM, 4091 TSEM, 4071 RF TSM, 4212 TSM, 4008 TSM, FM 4001 M
	<b>Thermoplastic (breakproof) high-gloss</b> ivory <b>A 401 TSA</b> white <b>A 401 TSA WW</b> black <b>A 401 TSA SW</b>
	<b>Thermoplastic (breakproof) lacquered</b> aluminium <b>A 401 TSA AL</b> champagne <b>A 401 TSA CH</b> mocha <b>A 401 TSA MO</b>
	<b>matt lacquered</b> matt snow white <b>A 401 TSA WWM</b> matt graphite black <b>A 401 TSA SWM</b> matt anthracite <b>A 401 TSA ANM</b>
	<b>Cover kit 2-gang</b> to clip on F 40 push-button modules 2-gang ref.-no.: 4072 TSM, 4192 TSM, 4092 TSEM, 4072 RF TSM, 4224 TSM, 4008 TSM, FM 4002 M
	<b>Thermoplastic (breakproof) high-gloss</b> ivory <b>A 402 TSA</b> white <b>A 402 TSA WW</b> black <b>A 402 TSA SW</b>
	<b>Thermoplastic (breakproof) lacquered</b> aluminium <b>A 402 TSA AL</b> champagne <b>A 402 TSA CH</b> mocha <b>A 402 TSA MO</b>
	<b>matt lacquered</b> matt snow white <b>A 402 TSA WWM</b> matt graphite black <b>A 402 TSA SWM</b> matt anthracite <b>A 402 TSA ANM</b>
	<b>Cover kit 3-gang</b> to clip on F 40 push-button modules 3-gang ref.-no.: 4073 TSM, 4193 TSM, 4093 TSEM, 4073 RF TSM, 4236 TSM, 4008 TSM, FM 4003 M
	<b>Thermoplastic (breakproof) high-gloss</b> ivory <b>A 403 TSA</b> white <b>A 403 TSA WW</b> black <b>A 403 TSA SW</b>
	<b>Thermoplastic (breakproof) lacquered</b> aluminium <b>A 403 TSA AL</b> champagne <b>A 403 TSA CH</b> mocha <b>A 403 TSA MO</b>
	<b>matt lacquered</b> matt snow white <b>A 403 TSA WWM</b> matt graphite black <b>A 403 TSA SWM</b> matt anthracite <b>A 403 TSA ANM</b>
	<b>Cover kit 4-gang</b> to clip on F 40 push-button modules 4-gang ref.-no.: 4074 TSM, 4194 TSM, 4094 TSEM, 4074 RF TSM, 4248 TSM, 4008 TSM, FM 4004 M
	<b>Thermoplastic (breakproof) high-gloss</b> ivory <b>A 404 TSA</b> white <b>A 404 TSA WW</b> black <b>A 404 TSA SW</b>
	<b>Thermoplastic (breakproof) lacquered</b> aluminium <b>A 404 TSA AL</b> champagne <b>A 404 TSA CH</b> mocha <b>A 404 TSA MO</b>
	<b>matt lacquered</b> matt snow white <b>A 404 TSA WWM</b> matt graphite black <b>A 404 TSA SWM</b> matt anthracite <b>A 404 TSA ANM</b>
	<b>Professional laser inscription and colour printing!</b> <b>For further information see <a href="http://www.jung.de/gt">www.jung.de/gt</a></b>






KNX  
F 40  
AS and A ranges

Ref.-no.	
	<b>Covers with symbols for AS and A ranges</b>
	<b>Cover 1-gang with arrow symbols</b> to clip on F 40 push-button modules 1-gang ref.-no.: 4071 TSM, 4191 TSM, 4091 TSEM, 4071 RF TSM, 4212 TSM, 4008 TSM, FM 4001 M
	<b>Thermoplastic (breakproof) high-gloss</b> ivory <b>A 401 TSAP</b> white <b>A 401 TSAP WW</b> black <b>A 401 TSAP SW</b>
	<b>Thermoplastic (breakproof) lacquered</b> aluminium <b>A 401 TSAP AL</b> champagne <b>A 401 TSAP CH</b> mocha <b>A 401 TSAP MO</b>
	<b>matt lacquered</b> matt snow white <b>A 401 TSAP WWM</b> matt graphite black <b>A 401 TSAP SWM</b> matt anthracite <b>A 401 TSAP ANM</b>
	<b>Cover 2-gang with arrow symbols</b> to exchange the covers of the cover kit 2-gang ref.-no.: A 402 TSA.. and the right cover of the cover kit 3-gang ref.-no.: A 403 TSA..
	<b>Thermoplastic (breakproof) high-gloss</b> ivory <b>A 402 TSAP</b> white <b>A 402 TSAP WW</b> black <b>A 402 TSAP SW</b>
	<b>Thermoplastic (breakproof) lacquered</b> aluminium <b>A 402 TSAP AL</b> champagne <b>A 402 TSAP CH</b> mocha <b>A 402 TSAP MO</b>
	<b>matt lacquered</b> matt snow white <b>A 402 TSAP WWM</b> matt graphite black <b>A 402 TSAP SWM</b> matt anthracite <b>A 402 TSAP ANM</b>
	<b>Cover 4-gang with arrow symbols</b> to exchange the top left cover of the cover kit 3-gang ref.-no.: A 403 TSA.. and top left and bottom right cover of the cover kit 4-gang ref.-no.: A 404 TSA..
	<b>Thermoplastic (breakproof) high-gloss</b> ivory <b>A 404 TSAP 14</b> white <b>A 404 TSAP WW 14</b> black <b>A 404 TSAP SW 14</b>
	<b>Thermoplastic (breakproof) lacquered</b> aluminium <b>A 404 TSAP AL 14</b> champagne <b>A 404 TSAP CH 14</b> mocha <b>A 404 TSAP MO 14</b>
	<b>matt lacquered</b> matt snow white <b>A 404 TSAP WWM 14</b> matt graphite black <b>A 404 TSAP SWM 14</b> matt anthracite <b>A 404 TSAP ANM 14</b>
	<b>Cover 4-gang with arrow symbols</b> to exchange the bottom left cover of the cover kit 3-gang ref.-no.: A 403 TSA.. and top right and bottom left cover of the cover kit 4-gang ref.-no.: A 404 TSA..
	<b>Thermoplastic (breakproof) high-gloss</b> ivory <b>A 404 TSAP 23</b> white <b>A 404 TSAP WW 23</b> black <b>A 404 TSAP SW 23</b>
	<b>Thermoplastic (breakproof) lacquered</b> aluminium <b>A 404 TSAP AL 23</b> champagne <b>A 404 TSAP CH 23</b> mocha <b>A 404 TSAP MO 23</b>
	<b>matt lacquered</b> matt snow white <b>A 404 TSAP WWM 23</b> matt graphite black <b>A 404 TSAP SWM 23</b> matt anthracite <b>A 404 TSAP ANM 23</b>




KNX  
F 40  
CD range




Ref.-no.	
	<b>Cover kits for CD range</b>
	<b>Cover kit 1-gang</b> to clip on F 40 push-button modules 1-gang ref.-no.: 4071 TSM, 4191 TSM, 4091 TSEM, 4071 RF TSM, 4212 TSM, 4008 TSM, FM 4001 M
	<b>Thermoplastic (breakproof) high-gloss</b> ivory <b>CD 401 TSA</b> white <b>CD 401 TSA WW</b> grey <b>CD 401 TSA GR</b> light grey <b>CD 401 TSA LG</b> black <b>CD 401 TSA SW</b>
	<b>Cover kit 2-gang</b> to clip on F 40 push-button modules 2-gang ref.-no.: 4072 TSM, 4192 TSM, 4092 TSEM, 4072 RF TSM, 4224 TSM, 4008 TSM, FM 4002 M
	<b>Thermoplastic (breakproof) high-gloss</b> ivory <b>CD 402 TSA</b> white <b>CD 402 TSA WW</b> grey <b>CD 402 TSA GR</b> light grey <b>CD 402 TSA LG</b> black <b>CD 402 TSA SW</b>
	<b>Cover kit 3-gang</b> to clip on F 40 push-button modules 3-gang ref.-no.: 4073 TSM, 4193 TSM, 4093 TSEM, 4073 RF TSM, 4236 TSM, 4008 TSM, FM 4003 M
	<b>Thermoplastic (breakproof) high-gloss</b> ivory <b>CD 403 TSA</b> white <b>CD 403 TSA WW</b> grey <b>CD 403 TSA GR</b> light grey <b>CD 403 TSA LG</b> black <b>CD 403 TSA SW</b>
	<b>Cover kit 4-gang</b> to clip on F 40 push-button modules 4-gang ref.-no.: 4074 TSM, 4194 TSM, 4094 TSEM, 4074 RF TSM, 4248 TSM, 4008 TSM, FM 4004 M
	<b>Thermoplastic (breakproof) high-gloss</b> ivory <b>CD 404 TSA</b> white <b>CD 404 TSA WW</b> grey <b>CD 404 TSA GR</b> light grey <b>CD 404 TSA LG</b> black <b>CD 404 TSA SW</b>
	<b>Professional laser inscription and colour printing!</b> <b>For further information see <a href="http://www.jung.de/gt">www.jung.de/gt</a></b>

KNX  
F 40  
CD range

Ref.-no.	
	<b>Covers with symbols for CD range</b>
	<b>Cover 1-gang with arrow symbols</b> to clip on F 40 push-button modules 1-gang ref.-no.: 4071 TSM, 4191 TSM, 4091 TSEM, 4071 RF TSM, 4212 TSM, 4008 TSM, FM 4001 M
	<b>Thermoplastic (breakproof) high-gloss</b> ivory <b>CD 401 TSAP</b> white <b>CD 401 TSAP WW</b> grey <b>CD 401 TSAP GR</b> light grey <b>CD 401 TSAP LG</b> black <b>CD 401 TSAP SW</b>
	<b>Cover 2-gang with arrow symbols</b> to exchange the covers of the cover kit 2-gang ref.-no.: CD 402 TSA.. and the right cover of the cover kit 3-gang ref.-no.: CD 403 TSA..
	<b>Thermoplastic (breakproof) high-gloss</b> ivory <b>CD 402 TSAP</b> white <b>CD 402 TSAP WW</b> grey <b>CD 402 TSAP GR</b> light grey <b>CD 402 TSAP LG</b> black <b>CD 402 TSAP SW</b>
	<b>Cover 4-gang with arrow symbols</b> to exchange the top left cover of the cover kit 3-gang ref.-no.: CD 403 TSA.. and top left and bottom right cover of the cover kit 4-gang ref.-no.: CD 404 TSA..
	<b>Thermoplastic (breakproof) high-gloss</b> ivory <b>CD 404 TSAP 14</b> white <b>CD 404 TSAP WW 14</b> grey <b>CD 404 TSAP GR 14</b> light grey <b>CD 404 TSAP LG 14</b> black <b>CD 404 TSAP SW 14</b>
	<b>Cover 4-gang with arrow symbols</b> to exchange the bottom left cover of the cover kit 3-gang ref.-no.: CD 403 TSA.. and top right and bottom left cover of the cover kit 4-gang ref.-no.: CD 404 TSA..
	<b>Thermoplastic (breakproof) high-gloss</b> ivory <b>CD 404 TSAP 23</b> white <b>CD 404 TSAP WW 23</b> grey <b>CD 404 TSAP GR 23</b> light grey <b>CD 404 TSAP LG 23</b> black <b>CD 404 TSAP SW 23</b>
	<b>Adapter frame</b> (Spare part) to combine push-button modules with CD range Also included in delivery of modules. <b>CD 4 AR</b>







Ref.-no.	
	<b>Cover kits for LS range</b>
	<b>Cover kit 1-gang</b> to clip on F 40 push-button modules 1-gang ref.-no.: 4071 TSM, 4191 TSM, 4091 TSEM, 4071 RF TSM, 4212 TSM, 4008 TSM, FM 4001 M
	<b>Thermoplastic (breakproof) high-gloss</b> ivory <b>LS 401 TSA</b> white <b>LS 401 TSA WW</b> light grey <b>LS 401 TSA LG</b> black <b>LS 401 TSA SW</b> <b>matt lacquered</b> matt snow white <b>LS 401 TSA WWM</b> matt graphite black <b>LS 401 TSA SWM</b> <b>metal versions</b> aluminium <b>AL 2401 TSA</b> stainless steel <b>ES 2401 TSA</b> anthracite (aluminium lacquered) <b>AL 2401 TSA AN</b> dark (aluminium lacquered) <b>AL 2401 TSA D</b> classic brass <b>ME 2401 TSA C</b> antique brass <b>ME 2401 TSA AT</b>
	<b>Cover kit 2-gang</b> to clip on F 40 push-button modules 2-gang ref.-no.: 4072 TSM, 4192 TSM, 4092 TSEM, 4072 RF TSM, 4224 TSM, 4008 TSM, FM 4002 M
	<b>Thermoplastic (breakproof) high-gloss</b> ivory <b>LS 402 TSA</b> white <b>LS 402 TSA WW</b> light grey <b>LS 402 TSA LG</b> black <b>LS 402 TSA SW</b> <b>matt lacquered</b> matt snow white <b>LS 402 TSA WWM</b> matt graphite black <b>LS 402 TSA SWM</b> <b>metal versions</b> aluminium <b>AL 2402 TSA</b> stainless steel <b>ES 2402 TSA</b> anthracite (aluminium lacquered) <b>AL 2402 TSA AN</b> dark (aluminium lacquered) <b>AL 2402 TSA D</b> classic brass <b>ME 2402 TSA C</b> antique brass <b>ME 2402 TSA AT</b>
	<b>Cover kit 3-gang</b> to clip on F 40 push-button modules 3-gang ref.-no.: 4073 TSM, 4193 TSM, 4093 TSEM, 4073 RF TSM, 4236 TSM, 4008 TSM, FM 4003 M
	<b>Thermoplastic (breakproof) high-gloss</b> ivory <b>LS 403 TSA</b> white <b>LS 403 TSA WW</b> light grey <b>LS 403 TSA LG</b> black <b>LS 403 TSA SW</b> <b>matt lacquered</b> matt snow white <b>LS 403 TSA WWM</b> matt graphite black <b>LS 403 TSA SWM</b> <b>metal versions</b> aluminium <b>AL 2403 TSA</b> stainless steel <b>ES 2403 TSA</b> anthracite (aluminium lacquered) <b>AL 2403 TSA AN</b> dark (aluminium lacquered) <b>AL 2403 TSA D</b> classic brass <b>ME 2403 TSA C</b> antique brass <b>ME 2403 TSA AT</b>

Ref.-no.	
	<b>Cover kit 4-gang</b> to clip on F 40 push-button modules 4-gang ref.-no.: 4074 TSM, 4194 TSM, 4094 TSEM, 4074 RF TSM, 4248 TSM, 4008 TSM, FM 4004 M
	<b>Thermoplastic (breakproof) high-gloss</b> ivory <b>LS 404 TSA</b> white <b>LS 404 TSA WW</b> light grey <b>LS 404 TSA LG</b> black <b>LS 404 TSA SW</b> <b>matt lacquered</b> matt snow white <b>LS 404 TSA WWM</b> matt graphite black <b>LS 404 TSA SWM</b> <b>metal versions</b> aluminium <b>AL 2404 TSA</b> stainless steel <b>ES 2404 TSA</b> anthracite (aluminium lacquered) <b>AL 2404 TSA AN</b> dark (aluminium lacquered) <b>AL 2404 TSA D</b> classic brass <b>ME 2404 TSA C</b> antique brass <b>ME 2404 TSA AT</b>
	<b>Professional laser inscription and colour printing!</b> <b>For further information see <a href="http://www.jung.de/gt">www.jung.de/gt</a></b>
	<b>Covers with symbols for LS range</b>
	<b>Cover 1-gang with arrow symbols</b> to clip on F 40 push-button modules 1-gang ref.-no.: 4071 TSM, 4191 TSM, 4091 TSEM, 4071 RF TSM, 4212 TSM, 4008 TSM, FM 4001 M
	<b>Thermoplastic (breakproof) high-gloss</b> ivory <b>LS 401 TSAP</b> white <b>LS 401 TSAP WW</b> light grey <b>LS 401 TSAP LG</b> black <b>LS 401 TSAP SW</b> <b>matt lacquered</b> matt snow white <b>LS 401 TSAP WWM</b> matt graphite black <b>LS 401 TSAP SWM</b> <b>metal versions</b> aluminium <b>AL 2401 TSAP</b> stainless steel <b>ES 2401 TSAP</b> anthracite (aluminium lacquered) <b>AL 2401 TSAP AN</b> dark (aluminium lacquered) <b>AL 2401 TSAP D</b>
	<b>Cover 2-gang with arrow symbols</b> to exchange the covers of the cover kit 2-gang ref.-no.: ..402 TSA.. and the right cover of the cover kit 3-gang ref.-no.: ..403 TSA.. in the LS range
	<b>Thermoplastic (breakproof) high-gloss</b> ivory <b>LS 402 TSAP</b> white <b>LS 402 TSAP WW</b> light grey <b>LS 402 TSAP LG</b> black <b>LS 402 TSAP SW</b> <b>matt lacquered</b> matt snow white <b>LS 402 TSAP WWM</b> matt graphite black <b>LS 402 TSAP SWM</b> <b>metal versions</b> aluminium <b>AL 2402 TSAP</b> stainless steel <b>ES 2402 TSAP</b> anthracite (aluminium lacquered) <b>AL 2402 TSAP AN</b> dark (aluminium lacquered) <b>AL 2402 TSAP D</b> classic brass <b>ME 2402 TSAP C</b> antique brass <b>ME 2402 TSAP AT</b>


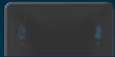







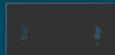

KNX  
F 40  
AS and A ranges

Ref.-no.	
	<b>Cover kits for AS and A ranges</b>
	<b>Cover kit</b> to clip on room controller display compact module ref.-no.: 4093 KRM TS D
	<b>Thermoplastic (breakproof) high-gloss</b> ivory <b>A 4093 TSA</b> white <b>A 4093 TSA WW</b> black <b>A 4093 TSA SW</b>
	<b>Thermoplastic (breakproof) lacquered</b> aluminium <b>A 4093 TSA AL</b> champagne <b>A 4093 TSA CH</b> mocha <b>A 4093 TSA MO</b>
	<b>matt lacquered</b> matt snow white <b>A 4093 TSA WWM</b> matt graphite black <b>A 4093 TSA SWM</b> matt anthracite <b>A 4093 TSA ANM</b>
	<b>Cover with temperature symbol</b> to exchange the display cover of the cover kit ref.-no.: A 4093 TSA..
	<b>Thermoplastic (breakproof) high-gloss</b> <b>A 409 T</b>
	<b>Cover 4-gang with arrow symbols</b> to exchange the bottom right cover of the cover kit ref.-no.: A 4093 TSA..
	<b>Thermoplastic (breakproof) high-gloss</b> ivory <b>A 404 TSAP 14</b> white <b>A 404 TSAP WW 14</b> black <b>A 404 TSAP SW 14</b>
	<b>Thermoplastic (breakproof) lacquered</b> aluminium <b>A 404 TSAP AL 14</b> champagne <b>A 404 TSAP CH 14</b> mocha <b>A 404 TSAP MO 14</b>
	<b>matt lacquered</b> matt snow white <b>A 404 TSAP WWM 14</b> matt graphite black <b>A 404 TSAP SWM 14</b> matt anthracite <b>A 404 TSAP ANM 14</b>
	<b>Cover 4-gang with arrow symbols</b> to exchange the bottom left cover of the cover kit ref.-no.: A 4093 TSA..
	<b>Thermoplastic (breakproof) high-gloss</b> ivory <b>A 404 TSAP 23</b> white <b>A 404 TSAP WW 23</b> black <b>A 404 TSAP SW 23</b>
	<b>Thermoplastic (breakproof) lacquered</b> aluminium <b>A 404 TSAP AL 23</b> champagne <b>A 404 TSAP CH 23</b> mocha <b>A 404 TSAP MO 23</b>
	<b>matt lacquered</b> matt snow white <b>A 404 TSAP WWM 23</b> matt graphite black <b>A 404 TSAP SWM 23</b> matt anthracite <b>A 404 TSAP ANM 23</b>
	<b>Professional laser inscription and colour printing!</b> For further information see <a href="http://www.jung.de/gt">www.jung.de/gt</a>

KNX  
F 40  
CD range

Ref.-no.	
	<b>Cover kits for CD range</b>
	<b>Cover kit</b> to clip on room controller display compact module ref.-no.: 4093 KRM TS D
	<b>Thermoplastic (breakproof) high-gloss</b> ivory <b>CD 4093 TSA</b> white <b>CD 4093 TSA WW</b> grey <b>CD 4093 TSA GR</b> light grey <b>CD 4093 TSA LG</b> black <b>CD 4093 TSA SW</b>
	<b>Cover with temperature symbol</b> to exchange the display cover of the cover kit ref.-no.: CD 4093 TSA..
	<b>Thermoplastic (breakproof) high-gloss</b> <b>CD 409 T</b>
	<b>Cover 4-gang with arrow symbols</b> to exchange the bottom right cover of the cover kit ref.-no.: CD 4093 TSA..
	<b>Thermoplastic (breakproof) high-gloss</b> ivory <b>CD 404 TSAP 14</b> white <b>CD 404 TSAP WW 14</b> grey <b>CD 404 TSAP GR 14</b> light grey <b>CD 404 TSAP LG 14</b> black <b>CD 404 TSAP SW 14</b>
	<b>Cover 4-gang with arrow symbols</b> to exchange the bottom left cover of the cover kit ref.-no.: CD 4093 TSA..
	<b>Thermoplastic (breakproof) high-gloss</b> ivory <b>CD 404 TSAP 23</b> white <b>CD 404 TSAP WW 23</b> grey <b>CD 404 TSAP GR 23</b> light grey <b>CD 404 TSAP LG 23</b> black <b>CD 404 TSAP SW 23</b>
	<b>Adapter frame</b> (Spare part) to combine push-button modules with CD range Also included in delivery of modules. <b>CD 4 AR</b>
	<b>Professional laser inscription and colour printing!</b> For further information see <a href="http://www.jung.de/gt">www.jung.de/gt</a>
	

Ref.-no.



**Cover kits for LS range**

**Cover kit**  
to clip on room controller display compact module  
ref.-no.: 4093 KRM TS D

**Thermoplastic (breakproof) high-gloss**  
ivory **LS 4093 TSA**  
white **LS 4093 TSA WW**  
light grey **LS 4093 TSA LG**  
black **LS 4093 TSA SW**

**matt lacquered**  
matt snow white **LS 4093 TSA WWM**  
matt graphite black **LS 4093 TSA SWM**

**metal versions**  
aluminium **AL 4093 TSA**  
stainless steel **ES 4093 TSA**  
anthracite (aluminium  
lacquered) **AL 4093 TSA AN**  
dark (aluminium  
lacquered) **AL 4093 TSA D**  
classic brass **ME 4093 TSA C**  
antique brass **ME 4093 TSA AT**

**Cover with temperature symbol**  
to exchange the display cover of the cover kit  
ref.-no.: ... 4093 TSA .. in the LS range

**Thermoplastic (breakproof) high-gloss**  
**LS 409 T**



**Cover 4-gang with arrow symbols**  
to exchange the bottom right cover of the cover kit  
ref.-no.: ... 4093 TSA .. in the LS range

**Thermoplastic (breakproof) high-gloss**  
ivory **LS 404 TSAP 14**  
white **LS 404 TSAP WW 14**  
light grey **LS 404 TSAP LG 14**  
black **LS 404 TSAP SW 14**

**matt lacquered**  
matt snow white **LS 404 TSAP WWM 14**  
matt graphite black **LS 404 TSAP SWM 14**

**metal versions**  
aluminium **AL 2404 TSAP 14**  
stainless steel **ES 2404 TSAP 14**  
anthracite (aluminium  
lacquered) **AL 2404 TSAP AN 14**  
dark (aluminium  
lacquered) **AL 2404 TSAP D 14**  
classic brass **ME 2404 TSAP C 14**  
antique brass **ME 2404 TSAP AT 14**

Ref.-no.



**Cover 4-gang with arrow symbols**  
to exchange the bottom left cover of the cover kit  
ref.-no.: ... 4093 TSA .. in the LS range

**Thermoplastic (breakproof) high-gloss**  
ivory **LS 404 TSAP 23**  
white **LS 404 TSAP WW 23**  
light grey **LS 404 TSAP LG 23**  
black **LS 404 TSAP SW 23**





**matt lacquered**  
matt snow white **LS 404 TSAP WWM 23**  
matt graphite black **LS 404 TSAP SWM 23**

**metal versions**  
aluminium **AL 2404 TSAP 23**  
stainless steel **ES 2404 TSAP 23**  
anthracite (aluminium  
lacquered) **AL 2404 TSAP AN 23**  
dark (aluminium  
lacquered) **AL 2404 TSAP D 23**  
classic brass **ME 2404 TSAP C 23**  
antique brass **ME 2404 TSAP AT 23**





**Adapter frame**  
(Spare part)  
to combine push-button modules with LS range  
Also included in delivery of modules.  
**LS 4 AR**


**Professional laser inscription and colour printing!**  
For further information see [www.jung.de/gt](http://www.jung.de/gt)


KNX RF  
F 50  
AS and A ranges


Ref.-no.	
      	<p><b>KNX RF radio transmitter modules F 50</b></p> <p><b>Intended use</b></p> <ul style="list-style-type: none"><li>• Radio operation of loads, e.g. light on/off, dimming, Venetian blinds up/down, brightness values, calling up and saving light scenes</li><li>• Operation in cabled KNX systems via radio converter (ref.-no.: MK 100 RF)</li><li>• Mounting on flush box according to EN 60670-1, screw fixing on walls or adhesive fixing on smooth, even surfaces (glass)</li></ul> <p><b>Product characteristics</b></p> <ul style="list-style-type: none"><li>• Push-button functions switching, dimming, blind control, value transmitter, scene recall, etc.</li><li>• Button pairs for push-button function or rocker function</li><li>• Status indication with LED</li><li>• Integrated temperature sensor</li><li>• Battery-powered device (battery compartment accessible from front)</li><li>• Project design and commissioning with ETS5 or a more recent version.</li></ul> <p><b>for AS and A ranges</b></p> <p><b>KNX RF radio transmitter module 1-gang</b> including mounting plate, adhesive film and fastening screw including transparent cover ref.-no.: A 50 NA for cover kit 1-gang, ref.-no.: A 501 TSA .. ETS product family: Push-button Product type: 1-gang push-button 1 green LED: actuator status 1 red LED: transmission status <b>A 5071 RF TSM</b></p> <p><b>KNX RF radio transmitter module 2-gang</b> including mounting plate, adhesive film and fastening screw including transparent cover ref.-no.: A 50 NA for cover kit 2-gang, ref.-no.: A 502 TSA .. ETS product family: Push-button Product type: 2-gang push-button 2 green LED: actuator status 1 red LED: transmission status <b>A 5072 RF TSM</b></p> <p><b>KNX RF radio transmitter module 3-gang</b> including mounting plate, adhesive film and fastening screw including transparent cover ref.-no.: A 50 NA for cover kit 3-gang, ref.-no.: A 503 TSA .. ETS product family: Push-button Product type: 3-gang push-button 3 green LED: actuator status 1 red LED: transmission status <b>A 5073 RF TSM</b></p> <p><b>KNX RF radio transmitter module 4-gang</b> including mounting plate, adhesive film and fastening screw including transparent cover ref.-no.: A 50 NA for cover kit 4-gang, ref.-no.: A 504 TSA .. ETS product family: Push-button Product type: 4-gang push-button 4 green LED: actuator status 1 red LED: transmission status <b>A 5074 RF TSM</b></p> <p>Cover kits see page 662</p>

KNX RF  
F 50  
CD range

Ref.-no.	
      	<p><b>KNX RF radio transmitter modules F 50</b></p> <p><b>Intended use</b></p> <ul style="list-style-type: none"><li>• Radio operation of loads, e.g. light on/off, dimming, Venetian blinds up/down, brightness values, calling up and saving light scenes</li><li>• Operation in cabled KNX systems via radio converter (ref.-no.: MK 100 RF)</li><li>• Mounting on flush box according to EN 60670-1, screw fixing on walls or adhesive fixing on smooth, even surfaces (glass)</li></ul> <p><b>Product characteristics</b></p> <ul style="list-style-type: none"><li>• Push-button functions switching, dimming, blind control, value transmitter, scene recall, etc.</li><li>• Button pairs for push-button function or rocker function</li><li>• Status indication with LED</li><li>• Integrated temperature sensor</li><li>• Battery-powered device (battery compartment accessible from front)</li><li>• Project design and commissioning with ETS5 or a more recent version.</li></ul> <p><b>for CD range</b></p> <p><b>KNX RF radio transmitter module 1-gang</b> including mounting plate, adhesive film and fastening screw including transparent cover ref.-no.: CD 50 NA for cover kit 1-gang, ref.-no.: CD 501 TSA .. ETS product family: Push-button Product type: 1-gang push-button 1 green LED: actuator status 1 red LED: transmission status <b>CD 5071 RF TSM</b></p> <p><b>KNX RF radio transmitter module 2-gang</b> including mounting plate, adhesive film and fastening screw including transparent cover ref.-no.: CD 50 NA for cover kit 2-gang, ref.-no.: CD 502 TSA .. ETS product family: Push-button Product type: 2-gang push-button 2 green LED: actuator status 1 red LED: transmission status <b>CD 5072 RF TSM</b></p> <p><b>KNX RF radio transmitter module 3-gang</b> including mounting plate, adhesive film and fastening screw including transparent cover ref.-no.: CD 50 NA for cover kit 3-gang, ref.-no.: CD 503 TSA .. ETS product family: Push-button Product type: 3-gang push-button 3 green LED: actuator status 1 red LED: transmission status <b>CD 5073 RF TSM</b></p> <p><b>KNX RF radio transmitter module 4-gang</b> including mounting plate, adhesive film and fastening screw including transparent cover ref.-no.: CD 50 NA for cover kit 4-gang, ref.-no.: CD 504 TSA .. ETS product family: Push-button Product type: 4-gang push-button 4 green LED: actuator status 1 red LED: transmission status <b>CD 5074 RF TSM</b></p> <p>Cover kits see page 665</p>

Ref.-no.	
	<b>KNX RF radio transmitter modules F 50</b>  <b>Intended use</b> <ul style="list-style-type: none"><li>• Radio operation of loads, e.g. light on/off, dimming, Venetian blinds up/down, brightness values, calling up and saving light scenes</li><li>• Operation in cabled KNX systems via radio converter (ref.-no.: MK 100 RF)</li><li>• Mounting on flush box according to EN 60670-1, screw fixing on walls or adhesive fixing on smooth, even surfaces (glass)</li></ul> <b>Product characteristics</b> <ul style="list-style-type: none"><li>• Push-button functions switching, dimming, blind control, value transmitter, scene recall, etc.</li><li>• Button pairs for push-button function or rocker function</li><li>• Status indication with LED</li><li>• Integrated temperature sensor</li><li>• Battery-powered device (battery compartment accessible from front)</li><li>• Project design and commissioning with ETS5 or a more recent version.</li></ul> <b>for LS range</b>  <b>KNX RF radio transmitter module 1-gang</b> including mounting plate, adhesive film and fastening screw including transparent cover ref.-no.: LS 50 NA for cover kit 1-gang, ref.-no.: ..501 TSA .. in the LS range Can not be combined with frames in FLAT DESIGN. ETS product family: Push-button Product type: 1-gang push-button 1 green LED: actuator status 1 red LED: transmission status <b>LS 5071 RF TSM</b>
	<b>KNX RF radio transmitter module 2-gang</b> including mounting plate, adhesive film and fastening screw including transparent cover ref.-no.: LS 50 NA for cover kit 2-gang, ref.-no.: ..502 TSA .. in the LS range Can not be combined with frames in FLAT DESIGN. ETS product family: Push-button Product type: 2-gang push-button 2 green LED: actuator status 1 red LED: transmission status <b>LS 5072 RF TSM</b>
	<b>KNX RF radio transmitter module 3-gang</b> including mounting plate, adhesive film and fastening screw including transparent cover ref.-no.: LS 50 NA for cover kit 3-gang, ref.-no.: ..503 TSA .. in the LS range Can not be combined with frames in FLAT DESIGN. ETS product family: Push-button Product type: 3-gang push-button 3 green LED: actuator status 1 red LED: transmission status <b>LS 5073 RF TSM</b>
	<b>KNX RF radio transmitter module 4-gang</b> including mounting plate, adhesive film and fastening screw including transparent cover ref.-no.: LS 50 NA for cover kit 4-gang, ref.-no.: ..504 TSA .. in the LS range Can not be combined with frames in FLAT DESIGN. ETS product family: Push-button Product type: 4-gang push-button 4 green LED: actuator status 1 red LED: transmission status <b>LS 5074 RF TSM</b>  Cover kits see page 668

Ref.-no.	
	<b>KNX RF radio transmitter modules F 40</b> Adapter frames are included in delivery: ref.-no. LS 4 AR for LS range (pre-mounted) and ref.-no. CD 4 AR for CD range. AS / A ranges without adapter frame. Project design and commissioning with ETS5 or a more recent version.  <b>Intended use</b> <ul style="list-style-type: none"><li>• Radio operation of loads, e.g. light on/off, dimming, Venetian blinds up/down, brightness values, calling up and saving light scenes</li><li>• Operation in cabled KNX systems via radio converter (ref.-no.: MK 100 RF)</li><li>• Mounting on flush box according to EN 60670-1, screw fixing on walls or adhesive fixing on smooth, even surfaces (glass)</li></ul> <b>Product characteristics</b> <ul style="list-style-type: none"><li>• Push-button functions switching, dimming, blind control, value transmitter, scene recall, etc.</li><li>• Button pairs for push-button function or rocker function</li><li>• Status indication with LED</li><li>• Battery-powered device</li><li>• Project design and commissioning with ETS5 or a more recent version.</li><li>• Can not be combined with frames in FLAT DESIGN.</li></ul> <b>KNX RF radio transmitter module 1-gang</b> ETS product family: Push-button Product type: 1-gang push-button 1 red LED: actuator status 1 blue LED: transmission status <b>4071 RF TSM</b>
	<b>KNX RF radio transmitter module 2-gang</b> ETS product family: Push-button Product type: 2-gang push-button 2 red LEDs: actuator status 1 blue LED: transmission status <b>4072 RF TSM</b>
	<b>KNX RF radio transmitter module 3-gang</b> ETS product family: Push-button Product type: 3-gang push-button 3 red LEDs: actuator status 1 blue LED: transmission status <b>4073 RF TSM</b>
	<b>KNX RF radio transmitter module 4-gang</b> ETS product family: Push-button Product type: 4-gang push-button 4 red LEDs: actuator status 1 blue LED: transmission status <b>4074 RF TSM</b>  Cover kits see page 671 to 673

Ref.-no.	
	<b>KNX RF radio hand-held transmitter</b> Project design and commissioning with ETS5 or a more recent version.
	<b>Intended use</b> <ul style="list-style-type: none"><li>• Radio operation of loads, e.g. light on/off, dimming, Venetian blinds up/down, brightness values, calling up and saving light scenes</li><li>• Operation in cabled KNX systems via radio converter (ref.-no.: MK 100 RF)</li></ul>
	<b>Product characteristics</b> <ul style="list-style-type: none"><li>• Push-button functions switching, dimming, blind control, value transmitter, scene recall, etc.</li><li>• Button pairs for push-button function or rocker function</li><li>• Two-colour LED to display actuation, sending status and actuator feedback</li><li>• Battery-powered device</li></ul>
	<b>KNX RF radio hand-held transmitter</b> <b>2-gang</b> anthracite <b>HS 2 RF</b>

Ref.-no.	
	<b>KNX RF radio USB stick</b>
	<b>USB 2130 RF</b> <ul style="list-style-type: none"><li>• PC interface for the addressing, programming and diagnostics of KNX RF devices</li><li>• USB stick for coupling to a PC with a Windows-based operating system</li></ul>
	<b>KNX RF radio converter</b> Project design and commissioning with ETS5 or a more recent version.
	<b>MK 100 RF</b> <ul style="list-style-type: none"><li>• As of V 02: KNX Data Secure compatible with ETS 5.7.3 or higher</li><li>• Connection of KNX radio networks with cabled KNX lines</li><li>• Extension of the radio range in KNX radio networks (repeater operation, external power supply with 24 V AC/DC, e.g. ref.-no. NT 2415 REG VDC)</li></ul>



Ref.-no.

#### KNX push-button

Project design and commissioning with ETS5 or a more recent version.

#### Intended use

- Operation of loads, e.g. light on/off, dimming, blinds up/down, brightness values, temperatures, calling up and saving light scenes, etc.
- Installation in flush box according to EN 60670-1

#### Standard

##### Product characteristics

- KNX medium: TP 256
- Operating concept (rocker or button) adjustable for each operating area
- Button evaluation (single- or dual-area operation) adjustable
- One or two functions per operating area
- Integrated bus coupling unit
- One status LED per operating area – red
- KNX Data Secure compatible with ETS 5.7.3 or higher

#### Universal

##### Product characteristics

- KNX medium: TP 256
- Operating concept (rocker or button) adjustable for each operating area
- Button evaluation (single- or dual-area operation) adjustable
- One or two functions per operating area
- Integrated bus coupling unit
- Alarm function, optional acknowledge by pressing any button
- Disabling function: Disabling or change function mode of single or all button functions
- Status LED brightness adjustable
- Measurement of room temperature
- One status LED per operating area – red, green or blue, adjustable
- Connection of a push-button extension possible
- Connection of installation buttons or reed contacts possible
- KNX Data Secure compatible with ETS 5.7.3 or higher

#### Extension

##### Product characteristics

- Operating concept (rocker or button) adjustable for each operating area
- Button evaluation (single- or dual-area operation) adjustable
- One or two functions per operating area
- Without status LED
- Without bus coupling unit
- Connection to push-button universal possible



#### KNX push-button standard 1-gang

ETS product family: Push-button

Product type: 1-gang push-button

The device is compatible with KNX Data Secure. KNX Data Secure offers protection against manipulation in building automation. A dedicated application is required for secure operation. Additional information is available at: KNX Secure

**A 10711 ST**



#### KNX push-button universal 1-gang

ETS product family: Push-button

Product type: 1-gang push-button

The device is compatible with KNX Data Secure. KNX Data Secure offers protection against manipulation in building automation. A dedicated application is required for secure operation. Additional information is available at: KNX Secure

**A 10911 ST**



#### KNX push-button extension 1-gang

**A 10911 TE**



#### 1-gang rocker

for KNX push-button 1-gang

ref.-no.: A 10711 ST, A 10911 ST, A 10911 TE

**Duroplastic (scratch-proof) glossy**

ivory

**AS 101**

white

**AS 101 WW**



#### 1-gang rocker with arrow symbols

for KNX push-button 1-gang

ref.-no.: A 10711 ST, A 10911 ST, A 10911 TE

**Duroplastic (scratch-proof) glossy**

ivory

**AS 101 P**

white

**AS 101 P WW**



#### 1-gang rocker with lens

for KNX push-button 1-gang ref.-no.: A 10711 ST, A 10911 ST

**Duroplastic (scratch-proof) glossy**

ivory

**AS 101 KO5**

white

**AS 101 KO5 WW**



#### 1-gang rocker with lens and arrow symbols

for KNX push-button 1-gang ref.-no.: A 10711 ST, A 10911 ST

**Duroplastic (scratch-proof) glossy**








ivory





**AS 101 KO5P**

white

**AS 101 KO5P WW**







Ref.-no.	
	<b>KNX push-button standard 2-gang</b> ETS product family: Push-button Product type: 2-gang push-button  The device is compatible with KNX Data Secure. KNX Data Secure offers protection against manipulation in building automation. A dedicated application is required for secure operation. Additional information is available at: KNX Secure <b>A 10721 ST</b>
	<b>KNX push-button universal 2-gang</b> ETS product family: Push-button Product type: 2-gang push-button  The device is compatible with KNX Data Secure. KNX Data Secure offers protection against manipulation in building automation. A dedicated application is required for secure operation. Additional information is available at: KNX Secure <b>A 10921 ST</b>
	<b>KNX push-button extension 2-gang</b> <b>A 10921 TE</b>
	<b>2-gang rocker</b> for KNX push-button 2-gang ref.-no.: A 10721 ST, A 10921 ST, A 10921 TE <b>Duroplastic (scratch-proof) glossy</b> ivory <b>A 102</b> white <b>AS 102 WW</b>
	<b>2-gang rocker with arrow symbols</b> for KNX push-button 2-gang ref.-no.: A 10721 ST, A 10921 ST, A 10921 TE <b>Duroplastic (scratch-proof) glossy</b> ivory <b>AS 102 P</b> white <b>AS 102 P WW</b>
	<b>2-gang rocker with lens</b> for KNX push-button 2-gang ref.-no.: A 10721 ST, A 10921 ST <b>Duroplastic (scratch-proof) glossy</b> ivory <b>AS 102 KO5</b> white <b>AS 102 KO5 WW</b>
	<b>2-gang rocker with lens and arrow symbols</b> for KNX push-button 2-gang ref.-no.: A 10721 ST, A 10921 ST <b>Duroplastic (scratch-proof) glossy</b> ivory <b>AS 102 KO5P</b> white <b>AS 102 KO5P WW</b>

Ref.-no.	
	<b>KNX push-button standard 1-gang</b> ETS product family: Push-button Product type: 1-gang push-button  The device is compatible with KNX Data Secure. KNX Data Secure offers protection against manipulation in building automation. A dedicated application is required for secure operation. Additional information is available at: KNX Secure <b>A 10711 ST</b>
	<b>KNX push-button universal 1-gang</b> ETS product family: Push-button Product type: 1-gang push-button  The device is compatible with KNX Data Secure. KNX Data Secure offers protection against manipulation in building automation. A dedicated application is required for secure operation. Additional information is available at: KNX Secure <b>A 10911 ST</b>
	<b>KNX push-button extension 1-gang</b> <b>A 10911 TE</b>
	<b>1-gang rocker</b> for KNX push-button 1-gang ref.-no.: A 10711 ST, A 10911 ST, A 10911 TE <b>Duroplastic (scratch-proof) glossy</b> white <b>A 101 WW</b> black <b>A 101 SW</b> <b>Duroplastic lacquered</b> aluminium <b>A 101 AL</b> champagne <b>A 101 CH</b> mocha <b>A 101 MO</b> <b>Thermoplastic (breakproof) high-gloss</b> white <b>A 101 BF WW</b> black <b>A 101 BF SW</b> <b>matt lacquered</b> matt snow white <b>A 101 BF WWM</b> matt graphite black <b>A 101 BF SWM</b> matt anthracite <b>A 101 BF ANM</b>
	<b>1-gang rocker with arrow symbols</b> for KNX push-button 1-gang ref.-no.: A 10711 ST, A 10911 ST, A 10911 TE <b>Duroplastic (scratch-proof) glossy</b> white <b>A 101 P WW</b> black <b>A 101 P SW</b> <b>Duroplastic lacquered</b> aluminium <b>A 101 P AL</b> champagne <b>A 101 P CH</b> mocha <b>A 101 P MO</b> <b>Thermoplastic (breakproof) high-gloss</b> white <b>A 101 P BF WW</b> black <b>A 101 P BF SW</b> <b>matt lacquered</b> matt snow white <b>A 101 P BF WWM</b> matt graphite black <b>A 101 P BF SWM</b> matt anthracite <b>A 101 P BF ANM</b>





Ref.-no.	
	 <p><b>1-gang rocker with lens</b> for KNX push-button 1-gang ref.-no.: A 10711 ST, A 10911 ST <b>Duroplastic (scratch-proof) glossy</b> white <b>A 101 KO5 WW</b> black <b>A 101 KO5 SW</b> <b>Duroplastic lacquered</b> aluminium <b>A 101 KO5 AL</b> champagne <b>A 101 KO5 CH</b> mocha <b>A 101 KO5 MO</b> <b>Thermoplastic (breakproof) high-gloss</b> white <b>A 101 KO5 BF WW</b> black <b>A 101 KO5 BF SW</b> <b>matt lacquered</b> matt snow white <b>A 101 KO5 BF WWM</b> matt graphite black <b>A 101 KO5 BF SWM</b> matt anthracite <b>A 101 KO5 BF ANM</b></p>  <p><b>1-gang rocker with lens and arrow symbols</b> for KNX push-button 1-gang ref.-no.: A 10711 ST, A 10911 ST <b>Duroplastic (scratch-proof) glossy</b> white <b>A 101 KO5P WW</b> black <b>A 101 KO5P SW</b> <b>Duroplastic lacquered</b> aluminium <b>A 101 KO5P AL</b> champagne <b>A 101 KO5P CH</b> mocha <b>A 101 KO5P MO</b> <b>Thermoplastic (breakproof) high-gloss</b> white <b>A 101 KO5P BF WW</b> black <b>A 101 KO5P BF SW</b> <b>matt lacquered</b> matt snow white <b>A 101 KO5P BF WWM</b> matt graphite black <b>A 101 KO5P BF SWM</b> matt anthracite <b>A 101 KO5P BF ANM</b></p>  <p><b>KNX push-button standard 2-gang</b> ETS product family: Push-button Product type: 2-gang push-button</p> <p>The device is compatible with KNX Data Secure. KNX Data Secure offers protection against manipulation in building automation. A dedicated application is required for secure operation. Additional information is available at: KNX Secure <b>A 10721 ST</b></p>  <p><b>KNX push-button universal 2-gang</b> ETS product family: Push-button Product type: 2-gang push-button</p> <p>The device is compatible with KNX Data Secure. KNX Data Secure offers protection against manipulation in building automation. A dedicated application is required for secure operation. Additional information is available at: KNX Secure <b>A 10921 ST</b></p>  <p><b>KNX push-button extension 2-gang</b> <b>A 10921 TE</b></p>

Ref.-no.	
	 <p><b>2-gang rocker</b> for KNX push-button 2-gang ref.-no.: A 10721 ST, A 10921 ST, A 10921 TE <b>Duroplastic (scratch-proof) glossy</b> white <b>A 102 WW</b> black <b>A 102 SW</b> <b>Duroplastic lacquered</b> aluminium <b>A 102 AL</b> champagne <b>A 102 CH</b> mocha <b>A 102 MO</b> <b>Thermoplastic (breakproof) high-gloss</b> white <b>A 102 BF WW</b> black <b>A 102 BF SW</b> <b>matt lacquered</b> matt snow white <b>A 102 BF WWM</b> matt graphite black <b>A 102 BF SWM</b> matt anthracite <b>A 102 BF ANM</b></p>  <p><b>2-gang rocker with arrow symbols</b> for KNX push-button 2-gang ref.-no.: A 10721 ST, A 10921 ST, A 10921 TE <b>Duroplastic (scratch-proof) glossy</b> white <b>A 102 P WW</b> black <b>A 102 P SW</b> <b>Duroplastic lacquered</b> aluminium <b>A 102 P AL</b> champagne <b>A 102 P CH</b> mocha <b>A 102 P MO</b> <b>Thermoplastic (breakproof) high-gloss</b> white <b>A 102 P BF WW</b> black <b>A 102 P BF SW</b> <b>matt lacquered</b> matt snow white <b>A 102 P BF WWM</b> matt graphite black <b>A 102 P BF SWM</b> matt anthracite <b>A 102 P BF ANM</b></p>  <p><b>2-gang rocker with lens</b> for KNX push-button 2-gang ref.-no.: A 10721 ST, A 10921 ST <b>Duroplastic (scratch-proof) glossy</b> white <b>A 102 KO5 WW</b> black <b>A 102 KO5 SW</b> <b>Duroplastic lacquered</b> aluminium <b>A 102 KO5 AL</b> champagne <b>A 102 KO5 CH</b> mocha <b>A 102 KO5 MO</b> <b>Thermoplastic (breakproof) high-gloss</b> white <b>A 102 KO5 BF WW</b> black <b>A 102 KO5 BF SW</b> <b>matt lacquered</b> matt snow white <b>A 102 KO5 BF WWM</b> matt graphite black <b>A 102 KO5 BF SWM</b> matt anthracite <b>A 102 KO5 BF ANM</b></p>  <p><b>2-gang rocker with lens and arrow symbols</b> for KNX push-button 2-gang ref.-no.: A 10721 ST, A 10921 ST <b>Duroplastic (scratch-proof) glossy</b> white <b>A 102 KO5P WW</b> black <b>A 102 KO5P SW</b> <b>Duroplastic lacquered</b> aluminium <b>A 102 KO5P AL</b> champagne <b>A 102 KO5P CH</b> mocha <b>A 102 KO5P MO</b> <b>Thermoplastic (breakproof) high-gloss</b> white <b>A 102 KO5P BF WW</b> black <b>A 102 KO5P BF SW</b> <b>matt lacquered</b> matt snow white <b>A 102 KO5P BF WWM</b> matt graphite black <b>A 102 KO5P BF SWM</b> matt anthracite <b>A 102 KO5P BF ANM</b></p>





Ref.-no.

Ref.-no.



### KNX push-button standard 1-gang

ETS product family: Push-button  
Product type: 1-gang push-button  
The device is compatible with KNX Data Secure. KNX Data Secure offers protection against manipulation in building automation. A dedicated application is required for secure operation. Additional information is available at: KNX Secure  
**LS CD 10711 ST**



### KNX push-button universal 1-gang

ETS product family: Push-button  
Product type: 1-gang push-button  
The device is compatible with KNX Data Secure. KNX Data Secure offers protection against manipulation in building automation. A dedicated application is required for secure operation. Additional information is available at: KNX Secure  
**LS CD 10911 ST**



### KNX push-button extension 1-gang

**LS CD 10911 TE**

For KNX push-button 1-gang ref.-no.: LS CD 10711 ST, LS CD 10911 ST, LS CD 10911 TE

#### 1-gang rocker

##### Duroplastic (scratch-proof) glossy

ivory	CD 101
white	CD 101 WW
brown	CD 101 BR
grey	CD 101 GR
light grey	CD 101 LG
black	CD 101 SW

##### metal versions (anodized aluminium)

gold-bronze	CD 101 GB
platinum	CD 101 PT

#### 1-gang rocker with arrow symbols

##### Duroplastic (scratch-proof) glossy

ivory	CD 101 P
white	CD 101 P WW
brown	CD 101 P BR
grey	CD 101 P GR
light grey	CD 101 P LG
black	CD 101 P SW

##### metal versions (anodized aluminium)

gold-bronze	CD 101 P GB
platinum	CD 101 P PT

For KNX push-button 1-gang ref.-no.: LS CD 10711 ST, LS CD 10911 ST

#### 1-gang rocker with lens

##### Duroplastic (scratch-proof) glossy

ivory	CD 101 K05
white	CD 101 K05 WW
brown	CD 101 K05 BR
grey	CD 101 K05 GR
light grey	CD 101 K05 LG
black	CD 101 K05 SW

##### metal versions (anodized aluminium)

gold-bronze	CD 101 K05 GB
platinum	CD 101 K05 PT

#### 1-gang rocker with lens and arrow symbols

##### Duroplastic (scratch-proof) glossy

ivory	CD 101 K05P
white	CD 101 K05P WW
brown	CD 101 K05P BR
grey	CD 101 K05P GR
light grey	CD 101 K05P LG
black	CD 101 K05P SW

##### metal versions (anodized aluminium)

gold-bronze	CD 101 K05P GB
platinum	CD 101 K05P PT



### KNX push-button standard 2-gang

ETS product family: Push-button  
Product type: 2-gang push-button  
The device is compatible with KNX Data Secure. KNX Data Secure offers protection against manipulation in building automation. A dedicated application is required for secure operation. Additional information is available at: KNX Secure  
**LS CD 10721 ST**



### KNX push-button universal 2-gang

ETS product family: Push-button  
Product type: 2-gang push-button  
The device is compatible with KNX Data Secure. KNX Data Secure offers protection against manipulation in building automation. A dedicated application is required for secure operation. Additional information is available at: KNX Secure  
**LS CD 10921 ST**



### KNX push-button extension 2-gang

**LS CD 10921 TE**

For KNX push-button 2-gang ref.-no.: LS CD 10721 ST, LS CD 10921 ST, LS CD 10921 TE

#### 2-gang rocker

##### Duroplastic (scratch-proof) glossy

ivory	CD 102
white	CD 102 WW
brown	CD 102 BR
grey	CD 102 GR
light grey	CD 102 LG
black	CD 102 SW

##### metal colours (duroplastic lacquered)

gold-bronze	CD 102 GB
platinum	CD 102 PT

#### 2-gang rocker with arrow symbols

##### Duroplastic (scratch-proof) glossy

ivory	CD 102 P
white	CD 102 P WW
brown	CD 102 P BR
grey	CD 102 P GR
light grey	CD 102 P LG
black	CD 102 P SW

##### metal colours (duroplastic lacquered)

gold-bronze	CD 102 P GB
platinum	CD 102 P PT

for KNX push-button 2-gang ref.-no.: LS CD 10721 ST, LS CD 10921 ST

#### 2-gang rocker with lens

##### Duroplastic (scratch-proof) glossy

ivory	CD 102 K05
white	CD 102 K05 WW
brown	CD 102 K05 BR
grey	CD 102 K05 GR
light grey	CD 102 K05 LG
black	CD 102 K05 SW

##### metal colours (duroplastic lacquered)

gold-bronze	CD 102 K05 GB
platinum	CD 102 K05 PT

#### 2-gang rocker with lens and arrow symbols









##### Duroplastic (scratch-proof) glossy






ivory	CD 102 K05P
white	CD 102 K05P WW
brown	CD 102 K05P BR
grey	CD 102 K05P GR
light grey	CD 102 K05P LG
black	CD 102 K05P SW

##### metal colours (duroplastic lacquered)









gold-bronze	CD 102 K05P GB
platinum	CD 102 K05P PT








Ref.-no.	
	<b>KNX push-button standard 1-gang</b> ETS product family: Push-button Product type: 1-gang push-button  The device is compatible with KNX Data Secure. KNX Data Secure offers protection against manipulation in building automation. A dedicated application is required for secure operation. Additional information is available at: KNX Secure <b>LS CD 10711 ST</b>
	<b>KNX push-button universal 1-gang</b> ETS product family: Push-button Product type: 1-gang push-button  The device is compatible with KNX Data Secure. KNX Data Secure offers protection against manipulation in building automation. A dedicated application is required for secure operation. Additional information is available at: KNX Secure <b>LS CD 10911 ST</b>
	<b>KNX push-button extension 1-gang</b> <b>LS CD 10911 TE</b>
	<b>1-gang rocker</b> for KNX push-button 1-gang ref.-no.: LS CD 10711 ST, LS CD 10911 ST, LS CD 10911 TE <b>Duroplastic (scratch-proof) glossy</b> ivory <b>LS 101</b> white <b>LS 101 WW</b> light grey <b>LS 101 LG</b> black <b>LS 101 SW</b> <b>matt lacquered</b> matt snow white <b>LS 101 WWM</b> matt graphite black <b>LS 101 SWM</b> <b>metal versions</b> aluminium  <b>AL 101</b> stainless steel  <b>ES 101</b> anthracite (aluminium lacquered) <b>AL 101 AN</b> dark (aluminium lacquered) <b>AL 101 D</b> chrome <b>GCR 101</b> gold-coloured <b>GO 101</b> classic brass  <b>ME 101 C</b> antique brass <b>ME 101 AT</b>
	<b>1-gang rocker with arrow symbols</b> for KNX push-button 1-gang ref.-no.: LS CD 10711 ST, LS CD 10911 ST, LS CD 10911 TE <b>Duroplastic (scratch-proof) glossy</b> ivory <b>LS 101 P</b> white <b>LS 101 P WW</b> light grey <b>LS 101 P LG</b> black <b>LS 101 P SW</b> <b>matt lacquered</b> matt snow white <b>LS 101 P WWM</b> matt graphite black <b>LS 101 P SWM</b> <b>metal versions</b> aluminium <b>AL 101 P</b> stainless steel <b>ES 101 P</b> anthracite (aluminium lacquered) <b>AL 101 P AN</b> dark (aluminium lacquered) <b>AL 101 P D</b> chrome <b>GCR 101 P</b> gold-coloured <b>GO 101 P</b> classic brass <b>ME 101 P C</b> antique brass <b>ME 101 P AT</b>










Ref.-no.	
	<b>1-gang rocker with lens</b> for KNX push-button 1-gang ref.-no.: LS CD 10711 ST, LS CD 10911 ST <b>Duroplastic (scratch-proof) glossy</b> ivory <b>LS 101 KO5</b> white <b>LS 101 KO5 WW</b> light grey <b>LS 101 KO5 LG</b> black <b>LS 101 KO5 SW</b> <b>matt lacquered</b> matt snow white <b>LS 101 KO5 WWM</b> matt graphite black <b>LS 101 KO5 SWM</b> <b>metal versions</b> aluminium  <b>AL 101 KO5</b> stainless steel  <b>ES 101 KO5</b> anthracite (aluminium lacquered) <b>AL 101 KO5 AN</b> dark (aluminium lacquered) <b>AL 101 KO5 D</b> chrome <b>GCR 101 KO5</b> gold-coloured <b>GO 101 KO5</b> classic brass  <b>ME 101 KO5 C</b> antique brass <b>ME 101 KO5 AT</b>
	<b>1-gang rocker with lens and arrow symbols</b> for KNX push-button 1-gang ref.-no.: LS CD 10711 ST, LS CD 10911 ST <b>Duroplastic (scratch-proof) glossy</b> ivory <b>LS 101 KO5P</b> white <b>LS 101 KO5P WW</b> light grey <b>LS 101 KO5P LG</b> black <b>LS 101 KO5P SW</b> <b>matt lacquered</b> matt snow white <b>LS 101 KO5P WWM</b> matt graphite black <b>LS 101 KO5P SWM</b> <b>metal versions</b> aluminium <b>AL 101 KO5P</b> stainless steel <b>ES 101 KO5P</b> anthracite (aluminium lacquered) <b>AL 101 KO5P AN</b> dark (aluminium lacquered) <b>AL 101 KO5P D</b> chrome <b>GCR 101 KO5P</b> gold-coloured <b>GO 101 KO5P</b> classic brass <b>ME 101 KO5P C</b> antique brass <b>ME 101 KO5P AT</b>











Ref.-no.	
	
	<b>KNX push-button standard 2-gang</b> ETS product family: Push-button Product type: 2-gang push-button
	The device is compatible with KNX Data Secure. KNX Data Secure offers protection against manipulation in building automation. A dedicated application is required for secure operation. Additional information is available at: KNX Secure <b>LS CD 10721 ST</b>
	
	<b>KNX push-button universal 2-gang</b> ETS product family: Push-button Product type: 2-gang push-button
	The device is compatible with KNX Data Secure. KNX Data Secure offers protection against manipulation in building automation. A dedicated application is required for secure operation. Additional information is available at: KNX Secure <b>LS CD 10921 ST</b>
	
	<b>KNX push-button extension 2-gang</b> <b>LS CD 10921 TE</b>
	
	<b>2-gang rocker</b> for KNX push-button 2-gang ref.-no.: LS CD 10721 ST, LS CD 10921 ST, LS CD 10921 TE <b>Duroplastic (scratch-proof) glossy</b> ivory <b>LS 102</b> white <b>LS 102 WW</b> light grey <b>LS 102 LG</b> black <b>LS 102 SW</b> <b>matt lacquered</b> matt snow white <b>LS 102 WWM</b> matt graphite black <b>LS 102 SWM</b> <b>metal versions</b> aluminium  <b>AL 102</b> stainless steel  <b>ES 102</b> anthracite (aluminium lacquered) <b>AL 102 AN</b> dark (aluminium lacquered) <b>AL 102 D</b> chrome <b>GCR 102</b> gold-coloured <b>GO 102</b> classic brass  <b>ME 102 C</b> antique brass <b>ME 102 AT</b>
	
	<b>2-gang rocker with arrow symbols</b> for KNX push-button 2-gang ref.-no.: LS CD 10721 ST, LS CD 10921 ST, LS CD 10921 TE <b>Duroplastic (scratch-proof) glossy</b> ivory <b>LS 102 P</b> white <b>LS 102 P WW</b> light grey <b>LS 102 P LG</b> black <b>LS 102 P SW</b> <b>matt lacquered</b> matt snow white <b>LS 102 P WWM</b> matt graphite black <b>LS 102 P SWM</b> <b>metal versions</b> aluminium <b>AL 102 P</b> stainless steel <b>ES 102 P</b> anthracite (aluminium lacquered) <b>AL 102 P AN</b> dark (aluminium lacquered) <b>AL 102 P D</b> chrome <b>GCR 102 P</b> gold-coloured <b>GO 102 P</b> classic brass <b>ME 102 P C</b> antique brass <b>ME 102 P AT</b>

Ref.-no.	
	
	<b>2-gang rocker with lens</b> for KNX push-button 2-gang ref.-no.: LS CD 10721 ST, LS CD 10921 ST <b>Duroplastic (scratch-proof) glossy</b> ivory <b>LS 102 KO5</b> white <b>LS 102 KO5 WW</b> light grey <b>LS 102 KO5 LG</b> black <b>LS 102 KO5 SW</b> <b>matt lacquered</b> matt snow white <b>LS 102 KO5 WWM</b> matt graphite black <b>LS 102 KO5 SWM</b> <b>metal versions</b> aluminium  <b>AL 102 KO5</b> stainless steel  <b>ES 102 KO5</b> anthracite (aluminium lacquered) <b>AL 102 KO5 AN</b> dark (aluminium lacquered) <b>AL 102 KO5 D</b> chrome <b>GCR 102 KO5</b> gold-coloured <b>GO 102 KO5</b> classic brass  <b>ME 102 KO5 C</b> antique brass <b>ME 102 KO5 AT</b>
	
	<b>2-gang rocker with lens and arrow symbols</b> for KNX push-button 2-gang ref.-no.: LS CD 10721 ST, LS CD 10921 ST <b>Duroplastic (scratch-proof) glossy</b> ivory <b>LS 102 KO5P</b> white <b>LS 102 KO5P WW</b> light grey <b>LS 102 KO5P LG</b> black <b>LS 102 KO5P SW</b> <b>matt lacquered</b> matt snow white <b>LS 102 KO5P WWM</b> matt graphite black <b>LS 102 KO5P SWM</b> <b>metal versions</b> aluminium <b>AL 102 KO5P</b> stainless steel <b>ES 102 KO5P</b> anthracite (aluminium lacquered) <b>AL 102 KO5P AN</b> dark (aluminium lacquered) <b>AL 102 KO5P D</b> chrome <b>GCR 102 KO5P</b> gold-coloured <b>GO 102 KO5P</b> classic brass <b>ME 102 KO5P C</b> antique brass <b>ME 102 KO5P AT</b>

# KNX Push-button BCU


	Ref.-no.
	<b>WG 800</b> <b>KNX push-button BCU, neutral position</b> Function: switching, dimming, shutter control LED: always ON, always OFF, status indication KNX medium: TP 256 1-gang <b>8471.02 LED W</b> The status LED serves as an orientation light or status indicator and can be parameterised.
	<b>KNX push-button BCU, switch position</b> Function: switching, dimming LED: always ON, always OFF KNX medium: TP 256 1-gang <b>8471.01 LED W</b> The status LED serves as an orientation light or status indicator and can be parameterised.
	<b>1-gang rocker with lens</b> for 1-gang push-button BCU neutral position ref.-no.: 8471.02 LED W switch position ref.-no.: 8471.01 LED W <b>800 NT</b>
	<b>1-gang rocker with lens and arrow symbols</b> for 1-gang push-button BCU neutral position ref.-no.: 8471.02 LED W switch position ref.-no.: 8471.01 LED W <b>800 P</b>
	<b>Rocker with inscription field</b> for 1-gang push-button BCU neutral position ref.-no.: 8471.02 LED W switch position ref.-no.: 8471.01 LED W with inscription field 22 x 48 mm <b>800 NA</b>
	<b>1-gang rocker with big lens</b> for 1-gang push-button BCU neutral position ref.-no.: 8471.02 LED W switch position ref.-no.: 8471.01 LED W with red insert (ref.-no.: 33 NR) <b>800 KO</b>
	<b>Insert with symbol, opaque</b> for switches with indicator light and push-buttons in design range WG 800 <b>anthracite</b> symbol light <b>33 AN L</b> symbol bell <b>33 AN K</b> symbol door <b>33 AN T</b>
	<b>Insert without symbol, opaque</b> for switches with indicator light and push-buttons in design range WG 800 anthracite <b>33 AN N</b>
	<b>Insert without symbol, translucent</b> for switches with indicator light and push-buttons in design range WG 800 green <b>33 GN</b> transparent <b>33 KLAR</b> red <b>33 NR</b>

# KNX Push-button BCU Rotary sensor




	Ref.-no.
	<b>KNX push-button BCU, neutral position</b> Function: switching, dimming, shutter control LED: always ON, always OFF, status indication KNX medium: TP 256 2-gang <b>8472.02 LED W</b> The status LED serves as an orientation light or status indicator and can be parameterised.
	<b>KNX push-button BCU, switch position</b> Function: switching, dimming, shutter control LED: always ON, always OFF KNX medium: TP 256 2-gang <b>8472.01 LED W</b> The status LED serves as an orientation light or status indicator and can be parameterised.
	<b>2-gang rocker with lens</b> for 2-gang push-button BCU neutral position ref.-no.: 8472.02 LED W switch position ref.-no.: 8472.01 LED W <b>805 NT</b>
	<b>2-gang rocker with lens and arrow symbols</b> for 2-gang push-button BCU switch position ref.-no.: 8472.01 LED W <b>805 P</b>
	<b>2-gang rocker with lens and arrow symbols</b> for 2-gang push-button BCU neutral position ref.-no.: 8472.02 LED W switch position ref.-no.: 8472.01 LED W <b>805 MP</b>
	<b>KNX rotary sensor with integrated BCU with integrated push-button interface 3-gang with push-button function and acoustic signal</b> Function: switching, dimming, shutter control, value transmitter, scene extension <b>DS 4092 TS</b>
	<b>Centre plate with knob and lens</b> for KNX rotary sensor ref.-no.: DS 4092 TS
	<b>for AS and A ranges</b>
	<b>Duroplastic (scratch-proof) glossy</b> ivory <input type="checkbox"/> <b>A 1540 KO5</b> white <input type="checkbox"/> <b>A 1540 KO5 WW</b> black <input type="checkbox"/> <b>A 1540 KO5 SW</b>
	<b>Duroplastic lacquered</b> aluminium <input type="checkbox"/> <b>A 1540 KO5 AL</b> champagne <input type="checkbox"/> <b>A 1540 KO5 CH</b> mocha <input type="checkbox"/> <b>A 1540 KO5 MO</b>
	<b>Thermoplastic (breakproof) high-gloss</b> white <input type="checkbox"/> <b>A 1540 BF KO5 WW</b> black <input type="checkbox"/> <b>A 1540 BF KO5 SW</b>
	<b>matt lacquered</b> matt snow white <input type="checkbox"/> <b>A 1540 BF KO5 WWM</b> matt graphite black <input type="checkbox"/> <b>A 1540 BF KO5 SWM</b> matt anthracite <input type="checkbox"/> <b>A 1540 BF KO5 ANM</b>
	<b>for CD range</b>
	<b>Duroplastic (scratch-proof) glossy</b> ivory <input type="checkbox"/> <b>CD 1540 KO5</b> white <input type="checkbox"/> <b>CD 1540 KO5 WW</b> grey <input type="checkbox"/> <b>CD 1540 KO5 GR</b> light grey <input type="checkbox"/> <b>CD 1540 KO5 LG</b> black <input type="checkbox"/> <b>CD 1540 KO5 SW</b>

KNX  
Presence detector





Ref.-no.



**Centre plate with knob and lens**  
for KNX rotary sensor ref.-no.: DS 4092 TS  
**for LS range**

**Duroplastic (scratch-proof) glossy**  
ivory  **LS 1940 KO5**  
white  **LS 1940 KO5 WW**  
light grey  **LS 1940 KO5 LG**  
black **LS 1940 KO5 SW**


**matt lacquered**  
matt snow white **LS 1940 KO5 WWM**  
matt graphite black **LS 1940 KO5 SWM**


**metal versions**  
aluminium   **AL 1940 KO5**  
stainless steel  **ES 1940 KO5**  
anthracite (aluminium  
lacquered) **AL 1940 KO5 AN**  
dark (aluminium  
lacquered) **AL 1940 KO5 D**  
chrome **GCR 1940 KO5**  
gold-coloured **GO 1940 KO5**  
classic brass  **ME 1940 KO5 C**  
antique brass **ME 1940 KO5 AT**



**KNX presence detector mini  
with integrated BCU**  
**New in V 02: with temperature measurement  
(only "Universal" version)**

ETS product family: Physical sensors  
Product type: Movement

**Standard**  
white  **3361 M WW**

**Universal**  
white  **3361-1 M WW**

**Product characteristics**


- Integrated bus coupling unit
- 3 PIR sensors
- Detection field 360°
- Integrated brightness sensor
- Deployed as presence detector, motion detector, or for alert operation
- Output functions: Switching, staircase function, switching with forced position, value transmitter, light scene extension, operating mode setting for room temperature controller
- Extension of the detection area by way of operating several devices as main unit or extension unit
- Adjuster for manual adjustment of sensitivity
- Status LED: Flashes during motion detection; depending on programming in normal operation or only during the walking test mode

**Additional characteristics of "Universal" version:**

- Manual operation with IR remote control possible (ref.-no.: KNX PM FB IR)
- 5 function blocks for motion detection each with 2 outputs
- Function blocks switchable, e.g. for day/night operation
- PIR sensors can be evaluated separately
- Brightness sensor function with 3 limiting values
- Light control with max. 3 channels, setpoint shift in operation, separate configuration of dimming-up, control and dimming-down phase
- Light control can be combined with presence detector function
- Temperature measurement


**IR remote control**  
for KNX presence detector mini universal ref.-no.: 3361-1 M ..  
**KNX PM FB IR**


Battery operation with one included lithium button cell (CR 2025)



KNX  
Brightness controller


Ref.-no.




**KNX brightness controller mini  
with integrated BCU**  
ETS product family: Physical sensors  
Product type: Brightness  
white  **2096 LUX**

**Product characteristics**

- Asymmetrical measuring surface
- Integrated bus coupling unit
- Integrated brightness sensor
- Brightness sensor function with 3 limiting values
- Brightness limiting values (3 channels) with output functions switching, value transmitter and scene extension
- Light control with max. 3 channels, setpoint shift in operation, separate configuration of dimming-up, control and dimming-down phase
- On-off control possible for switch actuators
- Power supply via bus voltage




**Flush mounting set**  
for ceiling installation of KNX presence detector mini (ref.-no.: 3361 M WW, 3361-1 M WW) and KNX brightness controller mini (ref.-no.: 2096 LUX)  
Installation in flush box according to EN 60670-1  
Design ring Ø inside: 35.6 mm, Ø outside: 80 mm  
Profile height design ring: 3 mm  
Profile height lens: 6.6 mm  
white **PMM-UP-SET-WW**




**Surface mounting set**  
for ceiling installation of KNX presence detector mini (ref.-no.: 3361 M WW, 3361-1 M WW) and KNX brightness controller mini (ref.-no.: 2096 LUX)  
Dimensions (Ø x H): 80 / 83 x 49 mm (incl. design ring)  
Design ring Ø inside: 35.6 mm, Ø outside: 80 mm  
white **PMM-AP-SET-WW**



# KNX Presence detector





Ref.-no.
 <p><b>KNX presence detector with integrated BCU</b> ETS product family: Physical sensors Product type: Movement</p> <p><b>Standard</b> white <b>3361 WW</b> aluminium (lacquered) <b>3361 AL</b></p> <p><b>Universal</b> white <b>3361-1 WW</b> aluminium (lacquered) <b>3361-1 AL</b></p> <p><b>Product characteristics</b></p> <ul style="list-style-type: none"> <li>• Integrated bus coupling unit</li> <li>• 3 PIR sensors</li> <li>• Detection field 360°</li> <li>• Integrated brightness sensor</li> <li>• Deployed as presence detector, motion detector, or for alert operation</li> <li>• Output functions: Switching, staircase function, switching with forced position, value transmitter, light scene extension, operating mode setting for room temperature controller</li> <li>• Extension of the detection area by way of operating several devices as main unit or extension unit</li> <li>• Adjuster for manual adjustment of sensitivity</li> <li>• Status LED: Flashes during motion detection; depending on programming in normal operation or only during the walking test mode</li> </ul> <p><b>Additional characteristics of "Universal" version:</b></p> <ul style="list-style-type: none"> <li>• Manual operation with IR remote control possible (ref.-no.: KNX PM FB IR)</li> <li>• 5 function blocks for motion detection each with 2 outputs</li> <li>• Function blocks switchable, e.g. for day/night operation</li> <li>• PIR sensors can be evaluated separately</li> <li>• Brightness sensor function with 3 limiting values</li> <li>• Light control with max. 3 channels, setpoint shift in operation, separate configuration of dimming-up, control and dimming-down phase</li> <li>• Light control can be combined with presence detector function</li> </ul> <p><b>IR remote control</b> for KNX presence detector universal ref.-no.: 3361-1 .. <b>KNX PM FB IR</b> Battery operation with one included lithium button cell (CR 2025)</p> <p><b>Protection cage</b> for KNX presence detector ref.-no.: 3361.. white <b>SK 180-90 WW</b></p> <p><b>Surface-mounted housing</b> for ceiling installation (surface-mounted) of KNX presence detectors ref. no.: 3361 WW, 3361 AL, 3361-1 WW, 3361-1 AL white <b>PM-KAPPE-1</b> aluminium (lacquered) <b>PM-KAPPE AL-1</b></p> <p><b>Technical data</b> Dimensions (Ø x H): 103 x 19 mm</p>

# KNX Automatic switches

Ref.-no.
 <p><b>KNX bus coupling unit 3</b> screw fixing only, without claws <b>2073 U</b></p> <ul style="list-style-type: none"> <li>• Coupling of automatic switches (ref.-no.: ..3181.., ..3281..) to KNX systems</li> <li>• Installation in flush box according to EN 60670-1</li> </ul> <p><b>KNX automatic switch 1.1 m</b> <b>Standard</b> for bus coupling unit 3 ref.-no.: 2073 U ETS product family: Physical sensors Product type: Movement</p> <p><b>for AS and A ranges</b></p> <p><b>Thermoplastic (breakproof) high-gloss</b> ivory <b>A 3181</b> white <b>A 3181 WW</b> black <b>A 3181 SW</b></p> <p><b>Thermoplastic (breakproof) lacquered</b> aluminium <b>A 3181 AL</b> champagne <b>A 3181 CH</b> mocha <b>A 3181 MO</b></p> <p><b>matt lacquered</b> matt snow white <b>A 3181 WWM</b> matt graphite black <b>A 3181 SWM</b> matt anthracite <b>A 3181 ANM</b></p> <p><b>for CD range</b></p> <p><b>Thermoplastic (breakproof) high-gloss</b> ivory <b>CD 3181</b> white <b>CD 3181 WW</b> grey <b>CD 3181 GR</b> light grey <b>CD 3181 LG</b> black <b>CD 3181 SW</b></p> <p><b>for LS range</b></p> <p><b>Thermoplastic (breakproof) high-gloss</b> ivory <b>LS 3181</b> white <b>LS 3181 WW</b> light grey <b>LS 3181 LG</b> black <b>LS 3181 SW</b></p> <p><b>matt lacquered</b> matt snow white <b>LS 3181 WWM</b> matt graphite black <b>LS 3181 SWM</b></p> <p><b>metal colours (thermoplastic lacquered)</b> aluminium (lacquered) <b>AL 3181</b> stainless steel (lacquered) <b>ES 3181</b> anthracite (lacquered) <b>AL 3181 AN</b> dark (lacquered) <b>AL 3181 D</b> classic brass (lacquered) <b>ME 3181 C</b> antique brass (lacquered) <b>ME 3181 AT</b></p>

KNX  
Automatic switches

Ref.-no.



**KNX automatic switch 1.1 m Universal**  
for bus coupling unit 3 ref.-no.: 2073 U  
ETS product family: Physical sensors  
Product type: Movement

**Additional characteristics of "Universal" version:**

- Manual operation with IR remote control possible (ref.-no.: KNX PM FB IR)
- 5 function blocks for motion detection each with 2 outputs
- Function blocks switchable, e.g. for day/night operation
- Brightness sensor function with 3 limiting values
- Alarm message in case the device is removed from the bus coupling unit
- Temperature measurement

**for AS and A ranges**

**Thermoplastic (breakproof) high-gloss**

ivory	<b>A 3181-1</b>
white	<b>A 3181-1 WW</b>
black	<b>A 3181-1 SW</b>

**Thermoplastic (breakproof) lacquered**

aluminium	<b>A 3181-1 AL</b>
champagne	<b>A 3181-1 CH</b>
mocha	<b>A 3181-1 MO</b>

**matt lacquered**

matt snow white	<b>A 3181-1 WWM</b>
matt graphite black	<b>A 3181-1 SWM</b>
matt anthracite	<b>A 3181-1 ANM</b>

**for CD range**

**Thermoplastic (breakproof) high-gloss**

ivory	<b>CD 3181-1</b>
white	<b>CD 3181-1 WW</b>
grey	<b>CD 3181-1 GR</b>
light grey	<b>CD 3181-1 LG</b>
black	<b>CD 3181-1 SW</b>

**for LS range**

**Thermoplastic (breakproof) high-gloss**

ivory	<b>LS 3181-1</b>
white	<b>LS 3181-1 WW</b>
light grey	<b>LS 3181-1 LG</b>
black	<b>LS 3181-1 SW</b>

**matt lacquered**

matt snow white	<b>LS 3181-1 WWM</b>
matt graphite black	<b>LS 3181-1 SWM</b>

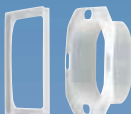
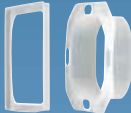



**metal colours (thermoplastic lacquered)**

aluminium (lacquered)	<b>AL 3181-1</b>
stainless steel (lacquered)	<b>ES 3181-1</b>
anthracite (lacquered)	<b>AL 3181-1 AN</b>
dark (lacquered)	<b>AL 3181-1 D</b>
classic brass (lacquered)	<b>ME 3181-1 C</b>
antique brass (lacquered)	<b>ME 3181-1 AT</b>

**IR remote control**  
for KNX universal automatic switch  
ref.-no.: .. 3181-1 .., .. 3281-1  
**KNX PM FB IR**  
Battery operation with one included lithium button cell (CR 2025)

KNX  
Automatic switches

Ref.-no.



**KNX automatic switch 2.2 m Standard**  
for bus coupling unit 3 ref.-no.: 2073 U  
Protection level IP 44 is ensured with sealing kit ref.-no. AS .. 50 DS and "IP 44 frame" of the respective design range.  
**IP 44 suitable only for indoor installation**  
ETS product family: Physical sensors  
Product type: Movement

**for AS and A ranges**

**Thermoplastic (breakproof) high-gloss**

ivory	<b>IP</b>	<b>A 3281</b>
white	<b>IP</b>	<b>A 3281 WW</b>
black	<b>IP</b>	<b>A 3281 SW</b>

**Thermoplastic (breakproof) lacquered**

aluminium	<b>IP</b>	<b>A 3281 AL</b>
champagne	<b>IP</b>	<b>A 3281 CH</b>
mocha	<b>IP</b>	<b>A 3281 MO</b>

**matt lacquered**

matt snow white	<b>IP</b>	<b>A 3281 WWM</b>
matt		
graphite black	<b>IP</b>	<b>A 3281 SWM</b>
matt anthracite	<b>IP</b>	<b>A 3281 ANM</b>

**for CD range**

**Thermoplastic (breakproof) high-gloss**

ivory	<b>IP</b>	<b>CD 3281</b>
white	<b>IP</b>	<b>CD 3281 WW</b>
grey	<b>IP</b>	<b>CD 3281 GR</b>
light grey	<b>IP</b>	<b>CD 3281 LG</b>
black	<b>IP</b>	<b>CD 3281 SW</b>

**for LS range**

**Thermoplastic (breakproof) high-gloss**

ivory	<b>IP</b>	<b>LS 3281</b>
white	<b>IP</b>	<b>LS 3281 WW</b>
light grey	<b>IP</b>	<b>LS 3281 LG</b>
black	<b>IP</b>	<b>LS 3281 SW</b>

**matt lacquered**

matt snow white	<b>IP</b>	<b>LS 3281 WWM</b>
matt		
graphite black	<b>IP</b>	<b>LS 3281 SWM</b>

**metal colours (thermoplastic lacquered)**

aluminium (lacquered)	<b>IP</b>	<b>AL 3281</b>
stainless steel (lacquered)	<b>IP</b>	<b>ES 3281</b>
anthracite (lacquered)	<b>IP</b>	<b>AL 3281 AN</b>
dark (lacquered)	<b>IP</b>	<b>AL 3281 D</b>
classic brass (lacquered)		<b>ME 3281 C</b>
antique brass (lacquered)		<b>ME 3281 AT</b>

**Sealing kit**  
for automatic switches 2.2 m of the AS / A ranges  
**IP** **AS A 50 DS**

**Sealing kit**  
for automatic switches 2.2 m of the CD and LS ranges  
**IP** **AS CD 50 DS**

# KNX Automatic switches

Ref.-no.

**KNX automatic switch 2.2 m**

**Universal**

for bus coupling unit 3 ref.-no.: 2073 U

Protection level IP 44 is ensured with sealing kit ref.-no. AS .. 50 DS and "IP 44 frame" of the respective design range.

**IP 44 suitable for indoor and outdoor installation**

ETS product family: Physical sensors

Product type: Movement

**Additional characteristics of "Universal" version:**

- Manual operation with IR remote control possible (ref.-no.: KNX PM FB IR)
- Up to half of the detection area can be screened off (parameter setting)
- 5 function blocks for motion detection each with 2 outputs
- Function blocks switchable, e.g. for day/night operation
- Brightness sensor function with 3 limiting values
- Alarm message in case the device is removed from the bus coupling unit
- Temperature measurement

**for AS and A ranges**

**Thermoplastic (breakproof) high-gloss**

ivory	IP	A 3281-1
white	IP	A 3281-1 WW
black	IP	A 3281-1 SW

**Thermoplastic (breakproof) lacquered**

aluminium	IP	A 3281-1 AL
champagne	IP	A 3281-1 CH
mocha	IP	A 3281-1 MO

**matt lacquered**

matt snow white	IP	A 3281-1 WWM
matt		
graphite black	IP	A 3281-1 SWM
matt anthracite	IP	A 3281-1 ANM

**for CD range**

**Thermoplastic (breakproof) high-gloss**

ivory	IP	CD 3281-1
white	IP	CD 3281-1 WW
grey	IP	CD 3281-1 GR
light grey	IP	CD 3281-1 LG
black	IP	CD 3281-1 SW

**for LS range**

**Thermoplastic (breakproof) high-gloss**

ivory	IP	LS 3281-1
white	IP	LS 3281-1 WW
light grey	IP	LS 3281-1 LG
black	IP	LS 3281-1 SW

**matt lacquered**

matt snow white	IP	LS 3281-1 WWM
matt		
graphite black	IP	LS 3281-1 SWM

**metal colours (thermoplastic lacquered)**

aluminium		
(lacquered)	IP	AL 3281-1
stainless steel		
(lacquered)	IP	ES 3281-1
anthracite		
(lacquered)	IP	AL 3281-1 AN
dark (lacquered)	IP	AL 3281-1 D
classic brass		
(lacquered)		ME 3281-1 C
antique brass		
(lacquered)		ME 3281-1 AT

**IR remote control**

for KNX universal automatic switch

ref.-no.: .. 3181-1 .., .. 3281-1






**KNX PM FB IR**





Battery operation with one included lithium button cell (CR 2025)

# KNX Controllers




Ref.-no.																																									
	<p><b>KNX room temperature controller module 2-gang</b> including transparent cover and inlay with symbols</p> <p><b>for AS and A ranges</b> for cover kit 2-gang, ref.-no.: A 502 TSA .. <b>A 5178 TSM</b></p> <p><b>for CD range</b> for cover kit 2-gang, ref.-no.: CD 502 TSA .. <b>CD 5178 TSM</b></p> <p><b>for LS range</b> for cover kit 2-gang, ref.-no.: ..502 TSA .. in the LS range <b>LS 5178 TSM</b></p> <p><b>KNX room temperature controller with integrated BCU with rotary knob for set point adjustment</b> Only with the ETS 3.0d version or later versions the full functionality will be available.</p> <p><b>Technical data</b></p> <table> <tr> <td>KNX medium:</td><td>TP 256</td></tr> <tr> <td>Rated voltage KNX:</td><td>DC 21 ... 32 V SELV</td></tr> <tr> <td>Current consumption KNX:</td><td>max. 10 mA</td></tr> <tr> <td>Connection, KNX:</td><td>terminal</td></tr> <tr> <td>Ambient temperature:</td><td>-5 ... +45 °C</td></tr> <tr> <td>Storage/transport temperature:</td><td>-25 ... +70 °C</td></tr> </table> <p><b>for AS and A ranges</b></p> <p><b>Thermoplastic (breakproof) high-gloss</b></p> <table> <tr> <td>ivory</td><td>A 2178</td></tr> <tr> <td>white</td><td>A 2178 WW</td></tr> <tr> <td>black</td><td>A 2178 SW</td></tr> </table> <p><b>Thermoplastic (breakproof) lacquered</b></p> <table> <tr> <td>aluminium</td><td>A 2178 AL</td></tr> <tr> <td>champagne</td><td>A 2178 CH</td></tr> <tr> <td>mocha</td><td>A 2178 MO</td></tr> </table> <p><b>matt lacquered</b></p> <table> <tr> <td>matt snow white</td><td>A 2178 WWM</td></tr> <tr> <td>matt graphite black</td><td>A 2178 SWM</td></tr> <tr> <td>matt anthracite</td><td>A 2178 ANM</td></tr> </table> <p><b>for CD range</b></p> <p><b>Thermoplastic (breakproof) high-gloss</b></p> <table> <tr> <td>ivory</td><td>2178</td></tr> <tr> <td>white</td><td>CD 2178 WW</td></tr> <tr> <td>grey</td><td>CD 2178 GR</td></tr> <tr> <td>light grey</td><td>CD 2178 LG</td></tr> <tr> <td>black</td><td>CD 2178 SW</td></tr> </table>	KNX medium:	TP 256	Rated voltage KNX:	DC 21 ... 32 V SELV	Current consumption KNX:	max. 10 mA	Connection, KNX:	terminal	Ambient temperature:	-5 ... +45 °C	Storage/transport temperature:	-25 ... +70 °C	ivory	A 2178	white	A 2178 WW	black	A 2178 SW	aluminium	A 2178 AL	champagne	A 2178 CH	mocha	A 2178 MO	matt snow white	A 2178 WWM	matt graphite black	A 2178 SWM	matt anthracite	A 2178 ANM	ivory	2178	white	CD 2178 WW	grey	CD 2178 GR	light grey	CD 2178 LG	black	CD 2178 SW
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grey	CD 2178 GR																																								
light grey	CD 2178 LG																																								
black	CD 2178 SW																																								





	Ref.-no.
	<b>for LS range</b> <b>Thermoplastic (breakproof) high-gloss</b> ivory <b>LS 2178</b> white <b>LS 2178 WW</b> light grey <b>LS 2178 LG</b> black <b>LS 2178 SW</b> <b>matt lacquered</b> matt snow white <b>LS 2178 WWM</b> matt graphite black <b>LS 2178 SWM</b> <b>metal versions</b> aluminium <b>AL 2178</b> stainless steel <b>ES 2178</b> anthracite (aluminium lacquered) <b>AL 2178 AN</b> dark (aluminium lacquered) <b>AL 2178 D</b> chrome <b>GCR 2178</b> classic brass <b>ME 2178 C</b> antique brass <b>ME 2178 AT</b>
	<b>KNX room temperature controller with integrated BCU</b> <b>with integrated push-button interface 4-gang</b> <b>with rotary knob for set point adjustment</b> Only with the ETS 3.0d version or later versions the full functionality will be available.
	<b>for AS and A ranges</b> <b>Thermoplastic (breakproof) high-gloss</b> ivory <b>A 2178 TS</b> white <b>A 2178 TS WW</b> black <b>A 2178 TS SW</b> <b>Thermoplastic (breakproof) lacquered</b> aluminium <b>A 2178 TS AL</b> champagne <b>A 2178 TS CH</b> mocha <b>A 2178 TS MO</b> <b>matt lacquered</b> matt snow white <b>A 2178 TS WWM</b> matt graphite black <b>A 2178 TS SWM</b> matt anthracite <b>A 2178 TS ANM</b>
	<b>for CD range</b> <b>Thermoplastic (breakproof) high-gloss</b> ivory <b>2178 TS</b> white <b>CD 2178 TS WW</b> grey <b>CD 2178 TS GR</b> light grey <b>CD 2178 TS LG</b> black <b>CD 2178 TS SW</b>
	<b>for LS range</b> <b>Thermoplastic (breakproof) high-gloss</b> ivory <b>LS 2178 TS</b> white <b>LS 2178 TS WW</b> light grey <b>LS 2178 TS LG</b> black <b>LS 2178 TS SW</b> <b>matt lacquered</b> matt snow white <b>LS 2178 TS WWM</b> matt graphite black <b>LS 2178 TS SWM</b> <b>metal versions</b> aluminium <b>AL 2178 TS</b> stainless steel <b>ES 2178 TS</b> anthracite (aluminium lacquered) <b>AL 2178 TS AN</b> dark (aluminium lacquered) <b>AL 2178 TS D</b> chrome <b>GCR 2178 TS</b> classic brass <b>ME 2178 TS C</b> antique brass <b>ME 2178 TS AT</b>

	Ref.-no.
	<b>KNX room autostat with integrated BCU</b> <b>with integrated push-button interface 4-gang</b> <b>without rotary knob for set point adjustment</b> Without any operational elements Only with the ETS 3.0d version or later versions the full functionality will be available.
	<b>for AS and A ranges</b> <b>Duroplastic (scratch-proof) glossy</b> ivory <b>A 2178 ORTS</b> white <b>A 2178 ORTS WW</b> black <b>A 2178 ORTS SW</b> <b>Duroplastic lacquered</b> aluminium <b>A 2178 ORTS AL</b> champagne <b>A 2178 ORTS CH</b> mocha <b>A 2178 ORTS MO</b> <b>Thermoplastic (breakproof) high-gloss</b> white <b>A 2178 BF ORTS WW</b> black <b>A 2178 BF ORTS SW</b> <b>matt lacquered</b> matt snow white <b>A 2178 BF ORTS WWM</b> matt graphite black <b>A 2178 BF ORTS SWM</b> matt anthracite <b>A 2178 BF ORTS ANM</b>
	<b>for CD range</b> <b>Duroplastic (scratch-proof) glossy</b> ivory <b>2178 ORTS</b> white <b>CD 2178 ORTS WW</b> grey <b>CD 2178 ORTS GR</b> light grey <b>CD 2178 ORTS LG</b> black <b>CD 2178 ORTS SW</b>
	<b>for LS range</b> <b>Duroplastic (scratch-proof) glossy</b> ivory <b>LS 2178 ORTS</b> white <b>LS 2178 ORTS WW</b> light grey <b>LS 2178 ORTS LG</b> black <b>LS 2178 ORTS SW</b> <b>matt lacquered</b> matt snow white <b>LS 2178 ORTS WWM</b> matt graphite black <b>LS 2178 ORTS SWM</b> <b>metal versions</b> aluminium <b>AL 2178 ORTS</b> stainless steel <b>ES 2178 ORTS</b> anthracite (aluminium lacquered) <b>AL 2178 ORTS AN</b> dark (aluminium lacquered) <b>AL 2178 ORTS D</b> chrome <b>GCR 2178 ORTS</b> classic brass <b>ME 2178 ORTS C</b> antique brass <b>ME 2178 ORTS AT</b>








# KNX Controllers

Ref.-no.	
    	<p><b>KNX CO<sub>2</sub> multi-sensor with integrated BCU with humidity sensor and room temperature controller with integrated push-button interface 2-gang</b></p> <p><b>for AS and A ranges</b></p> <p><b>Duroplastic (scratch-proof) glossy</b> ivory <b>CO2 A 2178</b> white <b>CO2 A 2178 WW</b> black <b>CO2 A 2178 SW</b></p> <p><b>Duroplastic lacquered</b> aluminium <b>CO2 A 2178 AL</b> champagne <b>CO2 A 2178 CH</b> mocha <b>CO2 A 2178 MO</b></p> <p><b>Thermoplastic (breakproof) high-gloss</b> white <b>CO2 A 2178 BF WW</b> black <b>CO2 A 2178 BF SW</b></p> <p><b>matt lacquered</b> matt snow white <b>CO2 A 2178 BF WWM</b> matt graphite black <b>CO2 A 2178 BF SWM</b> matt anthracite <b>CO2 A 2178 BF ANM</b></p> <p><b>for CD range</b></p> <p><b>Duroplastic (scratch-proof) glossy</b> ivory <b>CO2 CD 2178</b> white <b>CO2 CD 2178 WW</b> grey <b>CO2 CD 2178 GR</b> light grey <b>CO2 CD 2178 LG</b> black <b>CO2 CD 2178 SW</b></p> <p><b>for LS range</b></p> <p><b>Duroplastic (scratch-proof) glossy</b> ivory <b>CO2 LS 2178</b> white <b>CO2 LS 2178 WW</b> light grey <b>CO2 LS 2178 LG</b> black <b>CO2 LS 2178 SW</b></p> <p><b>matt lacquered</b> matt snow white <b>CO2 LS 2178 WWM</b> matt graphite black <b>CO2 LS 2178 SWM</b></p> <p><b>metal versions</b> aluminium <b>CO2 AL 2178</b> stainless steel <b>CO2 ES 2178</b> anthracite (aluminium lacquered) <b>CO2 AL 2178 AN</b> dark (aluminium lacquered) <b>CO2 AL 2178 D</b> chrome <b>CO2 GCR 2178</b> classic brass <b>CO2 ME 2178 C</b> antique brass <b>CO2 ME 2178 AT</b></p>






























# KNX Controllers

Ref.-no.	
  	<p><b>KNX temperature controller fan coil</b></p> <p><b>Intended use</b></p> <ul style="list-style-type: none"><li>• Sensor module for operating electrical fan coil units in KNX installations</li><li>• Measurement and feedback control of the room temperature</li><li>• Installation in flush box according to EN 60670-1</li></ul> <p><b>Product characteristics</b></p> <ul style="list-style-type: none"><li>• Real glass front panel</li><li>• 8 capacitive sensor buttons</li><li>• Internal temperature sensor</li><li>• External temperature sensor can be evaluated</li><li>• Control of fan coil units</li><li>• Heating and/or cooling mode</li><li>• Suitable for 2-pipe or 4-pipe systems</li><li>• Up to 3 fan speeds can be controlled</li><li>• Room temperature controller function</li><li>• Preselection of the current energy level either through the option of 4 operating modes in accordance with KNX standard or of 5 temperature profiles for use in hotels or similar sites</li><li>• Display for indication of actual temperature (°C or °F), fan speed, operating mode/profile</li><li>• 1 operating level and 2 menu levels</li><li>• Menu levels blockable</li><li>• 1 status LED (red/green/blue)</li><li>• Display brightness and contrast adjustable</li><li>• Duration of the display illumination up to 120 seconds</li><li>• Operation as extension unit for temperature controller possible</li><li>• Integrated bus coupling unit</li></ul> <p><b>for AS and A ranges</b></p> <p>white <b>TRD A 5248 WW</b> black <b>TRD A 5248 SW</b></p> <p><b>for LS range</b></p> <p>white <b>TRD LS 9248 WW</b> black <b>TRD LS 9248 SW</b></p>










# KNX System components

	Ref.-no.
	<b>KNX power supply, 160 mA</b> Rail mounting device, 4 rail units ETS product family: System components Product type: Power supply <b>20160 REG</b>
	<b>KNX power supply, 320 mA</b> Rail mounting device, 4 rail units ETS product family: System components Product type: Power supply <b>20320 REG</b>
	<b>KNX power supply, 640 mA</b> Rail mounting device, 4 rail units ETS product family: System components Product type: Power supply <b>20640 REG</b>
	<b>KNX power supply, 1280 mA</b> Rail mounting device, 6 rail units ETS product family: System components Product type: Power supply <b>21280 REG</b>
	<b>KNX power supply 320 mA with IP interface</b> Rail mounting device, 6 rail units Project design and commissioning with ETS5 or a more recent version. ETS product family: System components Product type: Power supply <b>20320 1S IPS R</b> <ul style="list-style-type: none"> <li>• KNX Data Secure compatible with ETS 5.7.3 or higher</li> <li>• KNX IP Secure compatible with ETS 5.7.3 or higher</li> <li>• With V02 or higher remote access with remote access licence (ref.-no. IPS-L) possible</li> </ul>
	<b>KNX USB data interface</b> Rail mounting device, 2 rail units <b>2131 USBS REG</b> <ul style="list-style-type: none"> <li>• KNX Data Secure compatible with ETS 5.7.3 or higher</li> </ul>
	<b>KNX USB data interface</b> <b>2131 USBS</b> <ul style="list-style-type: none"> <li>• KNX Data Secure compatible with ETS 5.7.3 or higher</li> </ul>





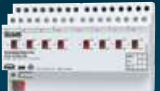









# KNX System components

	Ref.-no.
	<b>Centre plate</b> for USB data interface ref.-no.: 2131 USBS <b>for AS and A ranges</b> <b>Duroplastic (scratch-proof) glossy</b> ivory  <b>A 569 PLT</b> white  <b>A 569 PLT WW</b> black <b>A 569 PLT SW</b> <b>Duroplastic lacquered</b> aluminium   <b>A 569 PLT AL</b> champagne  <b>A 569 PLT CH</b> mocha <b>A 569 PLT MO</b> <b>Thermoplastic (breakproof) high-gloss</b> ivory  <b>A 569 BFPLT</b> white  <b>A 569 BFPLT WW</b> black  <b>A 569 BFPLT SW</b> <b>matt lacquered</b> matt snow white <b>A 569 BFPLT WWM</b> matt graphite black <b>A 569 BFPLT SWM</b> matt anthracite <b>A 569 BFPLT ANM</b>
	<b>for CD range</b> <b>Thermoplastic (breakproof) high-gloss</b> ivory  <b>569 T</b> white  <b>CD 569 T WW</b> grey  <b>CD 569 T GR</b> light grey  <b>CD 569 T LG</b> black  <b>CD 569 T SW</b>
	<b>Centre plate (screw fixing)</b> <b>with inscription field 6 x 37 mm</b> <b>Thermoplastic (breakproof) high-gloss</b> ivory  <b>569 TNA</b> white  <b>CD 569 TNA WW</b>
	<b>Transparent cover with paper inlay</b> for inscription field 6 x 37 mm (Spare part) paper inlay white <b>CD 20 NA</b>
	<b>for LS range</b> <b>Thermoplastic (breakproof) high-gloss</b> ivory  <b>LS 969 T</b> white  <b>LS 969 T WW</b> light grey  <b>LS 969 T LG</b> black  <b>LS 969 T SW</b> <b>matt lacquered</b> matt snow white <b>LS 969 T WWM</b> matt graphite black <b>LS 969 T SWM</b> <b>metal versions</b> aluminium   <b>AL 2969 T</b> stainless steel  <b>ES 2969 T</b> anthracite (aluminium lacquered) <b>AL 2969 T AN</b> dark (aluminium lacquered) <b>AL 2969 T D</b> chrome <b>GCR 2969 T</b> classic brass  <b>ME 2969 T C</b> antique brass <b>ME 2969 T AT</b>
	<b>KNX RF radio USB stick</b> <b>USB 2130 RF</b> <ul style="list-style-type: none"> <li>• PC interface for the addressing, programming and diagnostics of KNX RF devices</li> <li>• USB stick for coupling to a PC with a Windows-based operating system</li> </ul>

# KNX System components

Ref.-no.	
	<b>KNX RF radio converter</b> Project design and commissioning with ETS5 or a more recent version. <div>  </div>
	<b>MK 100 RF</b> <ul style="list-style-type: none"> <li>As of V 02: KNX Data Secure compatible with ETS 5.7.3 or higher</li> <li>Connection of KNX radio networks with cabled KNX lines</li> <li>Extension of the radio range in KNX radio networks (repeater operation, external power supply with 24 V AC/DC, e.g. ref.-no. NT 2415 REG VDC)</li> </ul>
	<b>KNX IP interface</b> Rail mounting device, 2 rail units Project design and commissioning with ETS5 or a more recent version. <div>  </div>
	<b>IPS 300 SREG</b> <ul style="list-style-type: none"> <li>KNX Data Secure compatible with ETS 5.7.3 or higher</li> <li>KNX IP Secure compatible with ETS 5.7.3 or higher</li> </ul>
	<b>Remote access licence</b> for IP interface ref.-no.: IPS 300 SREG (V05 or higher) for power supply with IP interface ref.-no.: 20320 1S IPS R (V02 or higher)
	<b>IPS-L</b> Remote access to the building technology via JUNG server in Germany.
	In combination with IP interface (ref.-no. IPS 300 SREG) or power supply with IP interface (ref.-no. 20320 1S IPS R): <ul style="list-style-type: none"> <li>Encrypted access to KNX devices for configuration and maintenance outside the local network</li> <li>Enabling access via communication objects</li> <li>Feedback on access and programming processes via communication objects</li> </ul>
	<b>KNX IP router</b> Rail mounting device, 2 rail units Project design and commissioning with ETS5 or a more recent version. ETS product family: System components Product type: IP router <div>  </div>
	<b>IPR 300 SREG</b> <ul style="list-style-type: none"> <li>KNX Data Secure compatible with ETS 5.7.3 or higher</li> <li>KNX IP Secure compatible with ETS 5.7.3 or higher</li> </ul>
	<b>KNX area / line coupler</b> Rail mounting device, 2 rail units ETS product family: System components Product type: Line coupler <div>  </div>
	<b>2142 REG</b> <ul style="list-style-type: none"> <li>KNX Data Secure compatible with ETS 5.7.3 or higher</li> </ul>

# KNX Actuators

Ref.-no.	
	<b>KNX switch actuator, 2-gang</b> Rail mounting device, 4 rail units 2 NO contacts with manual mechanical operation and status indicator ETS product family: Output Product type: Binary output <div>  </div>
	<b>2302.16 REGHM</b>
	<b>KNX switch actuator, 4-gang</b> Rail mounting device, 4 rail units 4 NO contacts with manual mechanical operation and status indicator ETS product family: Output Product type: Binary output <div>  </div>
	<b>2304.16 REGHM</b>
	<b>KNX switch actuator, 8-gang</b> Rail mounting device, 8 rail units 8 NO contacts with manual mechanical operation and status indicator ETS product family: Output Product type: Binary output <div>  </div>
	<b>2308.16 REGHM</b>
	<b>KNX switch actuator with C-load, 4-gang with current detection</b> Rail mounting device, 4 rail units 4 NO contacts with manual mechanical operation and status indicator ETS product family: Output Product type: Binary output <div>  </div>
	<b>2304.16 REGCHM</b>
	<b>KNX switch actuator with C-load, 8-gang with current detection</b> Rail mounting device, 8 rail units 8 NO contacts with manual mechanical operation and status indicator ETS product family: Output Product type: Binary output <div>  </div>
	<b>2308.16 REGCHM</b>
	<b>KNX switch actuator 6-gang</b> <b>KNX blinds actuator 3-gang</b> Rail mounting device, 4 rail units with manual electronic operation and LED status indication Project design and commissioning with ETS5 or a more recent version. ETS product family: Output Product type: Binary output <div>  </div>
	<b>23006 1S R</b> <ul style="list-style-type: none"> <li>KNX Data Secure compatible with ETS 5.7.3 or higher</li> </ul>
	<b>KNX switch actuator 16-gang</b> <b>KNX blinds actuator 8-gang</b> Rail mounting device, 8 rail units with manual electronic operation and LED status indication Project design and commissioning with ETS5 or a more recent version. ETS product family: Output Product type: Binary output <div>  </div>
	<b>23016 1S R</b> <ul style="list-style-type: none"> <li>KNX Data Secure compatible with ETS 5.7.3 or higher</li> </ul>

Ref.-no.



## KNX switch actuator 24-gang KNX blinds actuator 12-gang

Rail mounting device, 12 rail units  
with manual electronic operation and LED status indication  
Project design and commissioning with ETS5  
or a more recent version.  
ETS product family: Output  
Product type: Binary output

**23024 1S R**

- KNX Data Secure compatible with ETS 5.7.3 or higher



## KNX blinds actuator, 4-gang DC 12-48 V

Rail mounting device, 4 rail units  
with manual electronic operation and LED status indication  
Only with the ETS 3.0d version or later versions the full  
functionality will be available.  
ETS product family: Shutter  
Product type: Shutter

**2424 REGHE**



## KNX blinds actuator, 2-gang AC 110 - 230 V, 1-gang DC 12 - 48 V

Rail mounting device, 4 rail units  
with manual electronic operation and LED status indication  
Only with the ETS 3.0d version or later versions the full  
functionality will be available.  
ETS product family: Shutter  
Product type: Shutter

**2502 REGHE**



## KNX blinds actuator, 4-gang AC 110 - 230 V, 2-gang DC 12 - 48 V

Rail mounting device, 4 rail units  
with manual electronic operation and LED status indication  
ETS product family: Shutter  
Product type: Shutter

**2504 REGHE**



## KNX blinds actuator, 4-gang AC 110 - 230 V, 2-gang DC 12 - 48 V

Rail mounting device, 4 rail units  
with manual electronic operation and LED status indication  
Blind/shutter correction for lower end position  
(e.g. for ventilation position for roller blinds)  
Only with the ETS 3.0d version or later versions  
the full functionality will be available.  
ETS product family: Shutter  
Product type: Shutter

**2514 REGHE**



## KNX blinds actuator, 8-gang AC 110 - 230 V, 4-gang DC 12 - 48 V

Rail mounting device, 8 rail units  
with manual electronic operation and LED status indication  
ETS product family: Shutter  
Product type: Shutter

**2508 REGHE**



## KNX shutter actuator 4-gang AC 110-230 V

Rail mounting device, 4 rail units  
with manual electronic operation and LED status indication  
ETS product family: Shutter  
Product type: Shutter

**2504 REGHER**



## KNX LED universal dimming actuator / speed regulator, 1-gang

1 x 500 W, HV LED lamps typ. 3 ... 100 W  
Rail mounting device, 4 rail units  
ETS product family: Illumination  
Product type: Dimmer

**3901 REGHE**

Ref.-no.



## KNX LED universal dimming actuator, 2-gang

2 x 300 W, HV LED lamps typ. 2 x 3 ... 60 W  
Rail mounting device, 4 rail units  
ETS product family: Illumination  
Product type: Dimmer

**3902 REGHE**



## KNX LED universal dimming actuator, 4-gang

4 x 225 W, HV LED lamps typ. 4 x 1 ... 35 W (leading edge  
phase control), 4 x 1 ... 200 W (trailing edge phase control)  
1 x 855 W  
with manual electronic operation and LED status indication  
Project design and commissioning with ETS5  
or a more recent version.  
Rail mounting device, 4 rail units  
ETS product family: Illumination  
Product type: Dimmer

**39004 1S R**

- KNX Data Secure compatible with ETS 5.7.3 or higher



## KNX LED dimming actuator 4-gang

**3904 EB LED**

Available until 2<sup>nd</sup> quarter 2022

Successor: 39005 1S LED E available as of 1<sup>st</sup> quarter 2022



## KNX LED dimming actuator 4-gang

Rail mounting device, 4 rail units

**3904 REG LED**

- LED dimmer for controlling LEDs and LED modules  
12 - 24 V (pulse width-modulated PWM)
- Possible channel combinations:
  - 4 x independent channels
  - 2 x Tunable White channels
  - 2 x independent channels, 1 x Tunable White channel
  - 1 x RGB channel, 1 x independent channel
  - 1 x RGBW channel

Available until 2<sup>nd</sup> quarter 2022

Successor: 39005 1S LED R available as of 1<sup>st</sup> quarter 2022



## KNX control unit 1 - 10 V, 4-gang

Rail mounting device, 4 rail units  
ETS product family: Illumination  
Product type: Dimmer

**2194 REGHM**



## KNX DALI gateway TW

Rail mounting device, 4 rail units  
with manual electronic operation and LED status indication  
ETS product family: Illumination  
Product type: Dimmer

**New in V 02: compatible with DALI-2 acc. to IEC 62386  
2099 REGHE**



## DALI transformer for LV halogen lamps

**D SNT 105**

## Technical data

Rated capacity: 35 ... 105 W  
Rated voltage: AC 230/240 V ~, 50/60 Hz












## KNX fan coil actuator 2-gang









Rail mounting device, 4 rail units  
with manual electronic operation and LED status indication  
ETS product family: Heating, A/C, Ventilation  
Product type: Fan-coil

**FCA 2 REGHE**























	Ref.-no.
	<b>KNX room actuator 110-230 V</b> Rail mounting device, 4 rail units with manual electronic operation and LED status indication ETS product family: Output Product type: Binary output <b>RA 23024 REGHE</b>
	<b>KNX multi station</b> Rail mounting device, 4 rail units <b>23066 REGHE</b> <ul style="list-style-type: none"> <li>• Actuator functions: switching, blinds, electrothermal drives</li> <li>• Max. 6 switching outputs</li> <li>• Max. 3 blinds outputs</li> <li>• Integrated push-button interface with 6 inputs</li> <li>• 2 integrated room temperature controllers</li> <li>• 2 inputs for temperature sensors (ref.-no. FF 7.8)</li> <li>• Logic functions to control building functions</li> <li>• Scene function</li> </ul>
	<b>KNX heating actuator, 6-gang</b> Rail mounting device, 4 rail units 6 outputs "TRIAC" with manual electronic operation and LED status indication ETS product family: Heating, A/C, Ventilation Product type: Valve <b>2336 REG HZ HE</b> Switching of electrothermal drives e.g. TVA 230 NC WW
	<b>KNX heating actuator, 6-gang with controller</b> Rail mounting device, 4 rail units 6 outputs "TRIAC" with manual electronic operation and LED status indication ETS product family: Heating, A/C, Ventilation Product type: Valve <b>2336 REG HZR HE</b> Switching of electrothermal drives e.g. TVA 230 NC WW
	<b>KNX analogue actuator, 4-gang</b> Rail mounting device, 4 rail units ETS product family: Output Product type: Analogue output 4-gang <b>2204.01 REGA</b> <b>The analogue output needs 24 V AC for operation.</b> <b>The necessary power can be supplied by the power supply unit ref.-no.: WSSV 10.</b>
	<b>Analogue actuator module, 4-gang</b> Rail mounting device, 4 rail units <b>2204.01 REGAM</b> Extension module for analogue actuator 4-gang ref.-no.: 2204.01 REGA
	<b>KNX switch actuator, 1-gang</b> ETS product family: Output Product type: Binary output <b>23001 1S U</b> <ul style="list-style-type: none"> <li>• KNX Data Secure compatible</li> </ul>
	<b>KNX switch actuator, 2-gang</b> <b>KNX blinds actuator, 1-gang</b> ETS product family: Output Product type: Binary output <b>23002 1S U</b> <ul style="list-style-type: none"> <li>• KNX Data Secure compatible</li> </ul>
	<b>KNX universal dimming actuator, 1-gang</b> ETS product family: Illumination Product type: Dimmer <b>39001 1S U</b> <ul style="list-style-type: none"> <li>• KNX Data Secure compatible</li> </ul>

	Ref.-no.
	<b>KNX valve drive (motor-operated) with controller</b> electromechanical servo drive ETS product family: Heating, A/C, Ventilation Product type: Valve <b>2177 SV R</b>
	<b>Motion detector mini basic</b> white  <b>BM 360 MB WW</b> <ul style="list-style-type: none"> <li>• Brightness-independent detection of motions in interior areas</li> <li>• Connection to KNX e.g. multi station or push-button interface for automatic switching of loads</li> <li>• Power supply via unchoked output of a (KNX) power supply with SELV</li> <li>• Clamp mounting in suspended ceilings</li> <li>• Ceiling installation on fixed ceilings in flush box according to EN 60670-1 with flush mounting set (ref.-no.: PMM-UP-SET-WW)</li> <li>• Surface-mounted ceiling installation with surface mounting set (ref.-no.: PMM-AP-SET-WW)</li> </ul>
	<b>Condensation sensor</b> <b>BTS 01</b> <ul style="list-style-type: none"> <li>• Detection of water condensation on coolant lines in residential or functional buildings</li> <li>• Connection to KNX push-button interfaces or other binary inputs with 5 V polling voltage (e.g. 2177 SV R, 2076-2 T, 2076-4 T, .. 2178 TS .., .. 2178 ORTS .., CO2 .. 2178 ..)</li> <li>• Fitting on the coolant line</li> </ul>
	<b>Leakage sensor</b> <b>LES 01</b> <ul style="list-style-type: none"> <li>• Detection of water penetration and leaks</li> <li>• Connection to KNX push-button interfaces or other binary inputs with 5 V polling voltage (e.g. 2177 SV R, 2076-2 T, 2076-4 T, .. 2178 TS .., .. 2178 ORTS .., CO2 .. 2178 ..)</li> <li>• Fitting to the surface to be monitored</li> </ul>
	<b>Magnet contact</b> white, similar RAL 9016 brown, <b>FUS 4410 WW</b> <b>FUS 4410 BR</b>
	<b>KNX binary input, 6-gang</b> Rail mounting device, 2 rail units 6 inputs AC/DC 10 ... 230 V ~ (different L conductors possible, e.g.: E1-3 = L1 and E4-E6 = L2) with status indicator ETS product family: Input Product type: Binary input <b>2116 REG</b>
	<b>KNX binary input, 8-gang</b> Rail mounting device, 4 rail units 8 inputs 12 ... 48 V AC/DC Auxiliary voltage output DC 24 V (SELV) for polling potential-free contacts with status indicator ETS product family: Input Product type: Binary input <b>2128 REG</b>

# KNX Sensors Weather station

	Ref.-no.
	<b>KNX push-button interface, 2-gang</b> ETS product family: Input Product type: Binary input <b>2076-2 T</b>
	<b>KNX push-button interface, 4-gang</b> ETS product family: Input Product type: Binary input <b>2076-4 T</b>
	<b>KNX energy detector, 3-gang</b> Rail mounting device, 4 rail units ETS product family: Physical sensors Product type: Energy detector <b>2103 REG ES</b> 3 inputs AC 110 ... 240 V ~ Direct measurement (without transformer) up to 16 A Transformer measurement (with external 75 A transformer, ratio 75:5, e.g. Phoenix Contact order key 2277611)
	<b>KNX universal weather station</b> compact housing including fastening arm and connection cable ETS product family: Physical sensors Product type: Weather station <b>2225 WS U</b> <b>The weather station needs an operating voltage supply of 24 V AC, for example power supply module ref.-no. WSSV 10.</b>
	<b>Fastening arm</b> (Spare part) for installation of the universal weather station, ref.-no.: 2225 WSU <b>2225 BFA</b>
	<b>Connection cable</b> Cable type: LiYCY 4xAWG26 Cable length: 5 m <b>2225 CAB</b>
	<b>KNX weather station "home"</b> <b>2224 WH</b> <b>The power supply ref.-no.: WSSV 10 is necessary for precipitation detection.</b>
	<b>Technical data</b> Rated voltage: AC/DC 24 V SELV Power consumption: typical 7.5 W
	<b>Connection set</b> for weather station home ref.-no.: 2224 WH for pole mounting 50 – 120 mm Ø <b>MM 100</b>

# KNX Weather station

	Ref.-no.
	<b>KNX analogue input, 4-gang</b> Rail mounting device, 4 rail units ETS product family: Input Product type: Analogue input 4-gang <b>2214 REG A</b> <b>The analogue input needs a separate power supply, for example the power supply module ref.-no. WSSV 10.</b>
	<b>Analogue input extension module, 4-gang</b> Rail mounting device, 4 rail units extension module for analogue input <b>2214 REGAM</b>
	<b>Power supply AC 24 V ~</b> for universal weather station ref.-no.: 2225 WS U for weather station home ref.-no.: 2224 WH for analogue input ref.-no.: 2214 REG A for analogue actuator ref.-no.: 2204.01 REGA Rail mounting device, 4 rail units <b>WSSV 10</b>
	<b>Wind sensor</b> <b>WS 10 W</b>
	<b>Brightness sensor</b> Rated voltage 24 V DC range 0 ... 60 000 lux, linear 58 x 35 x 64 mm <b>WS 10 H</b>
	<b>Dawn sensor</b> Rated voltage 24 V DC range 0 ... 255 lux, linear 58 x 35 x 64 mm <b>WS 10 D</b>
	<b>Temperature sensor</b> Rated voltage 24 V DC range -30 °C ... +70 °C, linear 58 x 35 x 64 mm <b>WS 10 T</b>
	<b>KNX signal panel</b> ETS product family: Display Product type: Signal panel glass green <b>MBT 2424</b> glass white <b>MBT 2424 WW</b> glass black <b>MBT 2424 SW</b> The glass panel with aluminium housing is equipped with 24 capacitive sensor buttons and 24 status LEDs.
	<b>Surface-mounted housing</b> for signal panel ref.-no.: MBT 2424 .. light grey similar RAL 7035 <b>EBG 2424</b>
	<b>Flush-mounted power supply</b> for signal panel ref.-no.: MBT 2424 .. <b>NT 2405 VDC</b>

# Smart Panel 8



**SMART PANEL 8**

Centrally on the wall and decentrally with a tablet or smartphone in the local network: the JUNG Smart Panel 8 provides comprehensive possibilities for intuitively controlling the KNX system. It fits in the existing flush-mounted housing EBG 24, SC 7 EBG and can be mounted on standard device boxes according to EN 60670-1. The recommended box depth is around 60 millimetres.





## KNX Smart Panel Smart Control

Ref.-no.

### KNX Smart Panel 8

**SP 0081 U**

#### Intended use

- Visualisation and operation of system statuses and information on building automation
- For horizontal installation (recommended) or vertical installation
- Mounting in flush-mounted recessed box (ref.-no. EBG 24 or SC 7 EBG) or on flush box according to EN 60670-1 (recommendation: approx. 60 mm deep)



#### Product characteristics

- High performance HD screen
- Proximity sensor
- Capacitive touchscreen
- Cleaning mode with touch screen lock
- Fanless, without rotating parts
- Integrated bus coupling unit
- Graphical user interface for visualisation and operation of KNX devices
- Project design with Windows software "KNX Smart Panel Designer"
- Commissioning with ETS version 5.7.4 or higher and DCA
- KNX special functions, e.g. scenes, sequences, central function, presence simulation
- Rooms or elements: max. 300
- Structure with several rooms or as single room
- Time tables: max. 125 with 10 commands each
- Logic operations: max. 55
- Astronomical clock
- Visualisation of indoor and outdoor temperature
- Automatic temperature average per room
- Notifications (alarm, warning, information)
- Favourites page
- Light / dark colour scheme
- Two-level configuration access (admin / user)
- User management
- User (PIN codes): max. 10
- PIN protection for rooms / elements
- Backup and restore
- Mobile app (local access)
- App users per installation: max. 10

#### Flush-mounted recessed box

for Smart Panel ref.-no.: SP 0081 U  
for Smart Control ref.-no.: SC 0081 U  
cut-out dimensions (W x H): 212 x 124 mm  
installation depth: 75 mm

**EBG 24**

### Smart Control 5

for installation in walls, capacitive touch screen  
fanless, without rotating parts  
black

**SC 5 SW**

- For vertical installation
- Installation in flush box according to EN 60670-1
- KNX visualisation in combination with Visu Pro Server (ref.-no.: JVP-SERVER-H2)
- KNX visualisation in combination with Smart Visu Server (ref.-no.: SV-SERVER-INT)
- eNet visualisation in combination with eNet server for rail mounting (ref.-no.: ENET-SERVER) with software version 2.2 or higher
- Door call function only in combination with Siedle Smart Gateway SG 650-.. or SG 150-..



## KNX Smart Control

Ref.-no.

### Flush-mounted power supply

for Smart Control  
ref.-no.: SC 5 SW

**NT 2405 VDC**

### Power supply for rail mounting

for Smart Panel ref.-no.: SP 0081 U  
for Smart Control  
ref.-no.: SC 5 SW, SC 0081 U  
rail mounting device, 4 rail units

**NT 2415 REG VDC**

### Smart Control 8

black

**SC 0081 U**

#### Intended use

- Visualisation and operation of system statuses and information on building automation
- For horizontal installation (recommended) or vertical installation
- Mounting in flush-mounted recessed box (ref.-no. EBG 24 or SC 7 EBG) or on flush box according to EN 60670-1 (recommendation: approx. 60 mm deep)







#### Product characteristics

- High performance HD screen
- Proximity sensor
- Capacitive touchscreen
- Cleaning mode with touch screen lock
- KNX visualisation in combination with Visu Pro Server (ref.-no.: JVP-SERVER-H2)
- KNX visualisation in combination with Smart Visu Server (ref.-no.: SV-SERVER-INT)
- eNet visualisation in combination with eNet server for rail mounting (ref.-no.: ENET-SERVER) with software version 2.2 or higher
- Door call function only in combination with Siedle Smart Gateway SG 650-.. or SG 150-..
- Display of up to six IP camera images
- Smart Gateway with integrated image storage

#### Technical data

Screen diagonal:	203 mm / 8"
Resolution:	1280 x 800 (WXGA)
Aspect ratio:	16:10
Overall dimensions (W x H):	225 x 145 mm
Profile height:	16 mm
Installation depth:	22 mm
Power consumption:	max. 16 W
Power supply:	DC 12 ... 32 V SELV via external power supply (ref.-no. NT 2415 REG VDC, not included)
Operating system:	Android 6
Processor:	Cortex-A53
Main memory:	2 GB
Mass storage:	16 GB Flash (available disc space depends on operating system)
Loudspeaker:	integrated
Microphone:	integrated
USB ports:	1 x USB 2.0 type A 1 x Mini-USB OTG
LAN connections:	1 x 10/100/1000 Mbit/s
Ambient temperature:	0 ... +30 °C
Atmospheric humidity:	5 ... 80 % (no condensation)

Ref.-no.	
	 <p><b>SV-Server set Smart Control 5</b> consists of Smart Visu Server (ref.-no.: SV-SERVER-...) and Smart Control 5 (ref.-no.: SC 5 SW) black, <b>SV-S-SC 5 SW</b> black, including adapter for UK and China <b>SV-S-INT-SC 5 SW</b></p>
	 <p><b>Smart Visu Server</b> with mounting plate for wall or rail mounting installation including plug-in power supply with Europlug <b>SV-SERVER</b> including adapter for UK and China <b>SV-SERVER-INT</b></p> <ul style="list-style-type: none"> <li>• Visualisation and operation of KNX systems via devices with HTML5 browser or app (iOS, Android), e.g. Smart Control (ref.-no.: SC 5 SW, SC 0081 U), smartphone, tablet, laptop, PC, etc.</li> <li>• Visualisation and operation of Philips Hue systems</li> <li>• Operation in local IP networks that support DHCP (Dynamic Host Configuration Protocol), or with static IP address (IPv4)</li> <li>• Connection to KNX bus via interfaces (ref.-no. IPR 300 SREG, IPS 300 SREG, 20320 1S IPS R), not included</li> </ul>
	 <p><b>Smart Visu Server remote access licence</b> unlimited <b>SV-SERVER-L</b> Remote access to the building technology via JUNG server in Germany.</p>

Ref.-no.	
	 <p><b>Visu Pro Server</b> fanless, without rotating parts including plug-in power supply English, including adapter for UK and China <b>JVP-SERVER-H2GB</b></p> <p><b>Intended use</b></p> <ul style="list-style-type: none"> <li>• Visualisation and operation of KNX systems via devices with HTML5 browser or app (iOS, Android), e.g. Smart Control (ref.-no.: SC 5 SW, SC 0081 U), smartphone, tablet, laptop, PC, etc.</li> <li>• Support of KNX IP Secure and KNX Data Secure (as of version 4.5)</li> <li>• Operation in local IP networks that support DHCP (Dynamic Host Configuration Protocol), or with static IP address (IPv4)</li> <li>• Desktop device, mounting on DIN rail according to EN 60715 possible</li> <li>• Max. size of the visualisation project as template in JUNG Smart Assistant</li> <li>• Connection to KNX bus via interfaces (ref.-no. IPR 300 SREG, IPS 300 SREG, 20320 1S IPS R, 2131 USBS REG, 2131 USBS), not included</li> </ul> <p><b>Product characteristics</b></p> <ul style="list-style-type: none"> <li>• Fanless mini PC</li> <li>• JUNG Visu Pro software pre-installed and activated</li> <li>• Windows 10 pre-installed</li> <li>• Quadcore Intel Celeron processor</li> <li>• 4 GB RAM</li> <li>• 64 GB internal memory, partly used by operating system</li> <li>• 1 x HDMI</li> <li>• 4 x USB 3.0</li> <li>• 2 x LAN RJ45 (LAN 1: static IP address, LAN 2: DHCP)</li> <li>• The visualisation can be realised with devices with a browser suitable for HTML5 (e.g. latest version of Chrome, Firefox or Safari)</li> <li>• Access from max. 10 different clients possible</li> <li>• Integration of Amazon Alexa voice control via MyJUNG account</li> <li>• Integration of Google Home voice control via MyJUNG account</li> <li>• Secure remote access via MyJUNG account</li> <li>• Update and upgrade compatible</li> </ul> <p><b>Process connections</b></p> <ul style="list-style-type: none"> <li>• KNX editor/ KNX editor 2.0</li> <li>• instlight editor</li> <li>• Device editor</li> <li>• vitalED editor</li> <li>• XPL editor</li> <li>• SENE energy storage</li> <li>• Process model</li> <li>• Visualisation editor</li> <li>• Work sheet generator</li> <li>• Calendar</li> <li>• JUNG Visu Pro Starter</li> </ul> <p><b>Data import from ETS</b></p> <ul style="list-style-type: none"> <li>• ETS5: use of project export of ETS</li> <li>• ETS4: use of project export of ETS</li> <li>• ETS3: use of OPC export of ETS</li> <li>• ETS2 version 1.1, 1.2 and 1.3: files generated by "print export" can be read</li> <li>• Previous ETS versions: not possible</li> </ul>

Ref.-no.

Ref.-no.

## JUNG Visu Pro Software

Full version **JVP-V**  
Planner version **JVP-P**

**Note:** The software can only be downloaded from the JUNG website <https://www.jung.de/en/1508/service/get-your-software-licence/>. When downloading, you can choose between the English and the German version. Each installation will run in demo mode for 20 days or 400 starts. For an unrestricted use the software must be activated via a MyJUNG account.

### Intended use

- Visualisation and operation of KNX systems via devices with HTML5 browser or app (iOS, Android), e.g. Smart Control (ref.-no.: SC 5 SW, SC 0081 U), smartphone, tablet, laptop, PC, etc.
- Support of KNX IP Secure and KNX Data Secure (as of version 4.5)
- Connection to KNX bus via interfaces (ref.-no. IPR 300 SREG, IPS 300 SREG, 20320 1S IPS R, 2131 USBS REG, 2131 USBS), not included

### Product characteristics

- Access from max. 20 different clients possible (with Windows 10)
- Integration of Amazon Alexa voice control via MyJUNG account
- Integration of Google Home voice control via MyJUNG account
- Secure remote access via MyJUNG account
- Update and upgrade compatible

### Process connections

- KNX editor/ KNX editor 2.0
- instlight editor
- Device editor
- vitalLED editor
- XPL editor
- SENEK energy storage
- Process model
- Visualisation editor
- Work sheet generator
- Calendar
- JUNG Visu Pro Starter

### Technical requirements

#### Hardware

• As for Visu Pro Server (ref.-no.: JVP-SERVER-H2) or better  
Please note: The performance of the hardware is one of the limiting factors for the project size.

#### Operating systems

- Windows 10

#### KNX editor

The Falcon driver of the KNX Association is used for the KNX bus. The KNX connection requires a suitable version of the Falcon driver and the respective interfaces.

#### Data import from ETS

- ETS5: use of project export of ETS
- ETS4: use of project export of ETS
- ETS3: use of OPC export of ETS
- ETS2 version 1.1, 1.2 and 1.3: files generated by "print export" can be read
- Previous ETS versions: not possible

## JUNG Visu Pro Software Hotel

Full version Hotel **JVP-HOTEL**  
**Operating systems**

- Windows 10

### Special function HOTEL

Extension of the KNX editor to  
max. 150 KNX tunnel connections  
Communication via KNX IP Secure Tunnelling  
Integration of third-party systems:

- Door locking systems of Assa Abloy
  - Guest card identification
  - Staff card identification
  - Access counter / documentation
  - Evaluation of the door locking system
- Hotel booking software Protel PMS
  - Guest identification per room
  - Receive requests from the hotel room (e.g. Do not disturb, Make up room etc.)
  - Change the room temperature of the PMS system
- Oracle Hospitality OPERA or Oracle Hospitality Suite 8 PMS
  - Guest identification per room
  - Receive requests from the hotel room (e.g. Do not disturb, Make up room etc.)
  - Change the room temperature of the PMS system

### JUNG Visu Pro remote access licence

unlimited **JVP-L**  
Remote access to the building technology via JUNG server in Germany.

### Smart Assistant

Smart Assistant is a planning tool for the simple creation of visualisation projects for the JUNG Visu Pro software or other automation applications. The use of conventions and schemes (trade, floor, room, function) does not require knowledge of KNX group addresses. Export formats are available for JUNG Visu Pro software and ETS group addresses.

### Technical requirements

- Server/client-based software, but can be used with one PC
- Operating systems for server: Windows 10
- Clients: Browser suitable for HTML5 (e.g. latest version of Chrome, Firefox or Safari)

### KNX product data base

Database for ETS  
[www.jung.de/en](http://www.jung.de/en) > Downloads > Technical Downloads

### Bus connection block

red/black (for KNX) **2050 RT SW**  
yellow/white **2050 GE WS**

### Connection cover

for bus terminal of rail mounting devices  
**2050 K**

### Button lever

for the simple and gentle deinstallation of rockers and covers  
**W-KEIL**

# Dimensions of design ranges

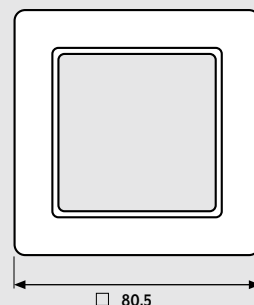
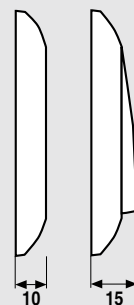
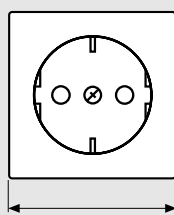
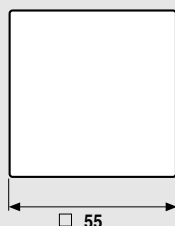
Dimensions in mm

## AS 500

AS 500 breakproof  
AS antibacterial

Frame size  
4-gang 293.5 x 80.5 mm  
5-gang 364.5 x 80.5 mm

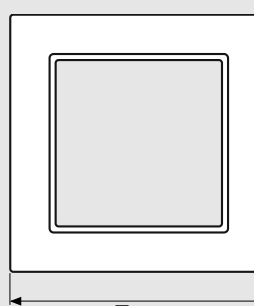
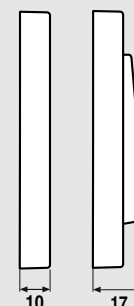
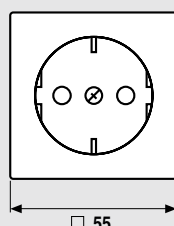
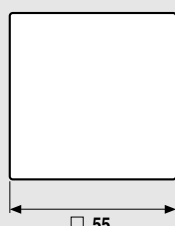
Frames can be horizontally and vertically installed.  
Edge radius frame R 3.1



## A 550

Frame size  
4-gang 298 x 85 mm  
5-gang 369 x 85 mm

Frames can be horizontally and vertically installed.  
Edge radius frame R 1.25



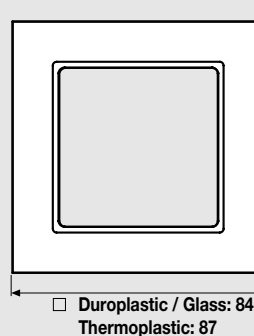
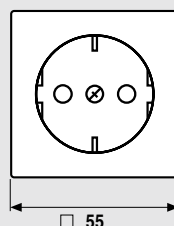
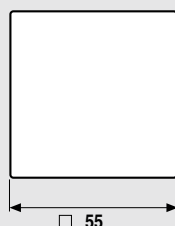
## ACREATION

Frame size duroplastic and glass  
4-gang 297 x 84 mm  
5-gang 368 x 84 mm

ACREATION  
breakproof

Frame size thermoplastic  
4-gang 300 x 87 mm  
5-gang 371 x 87 mm

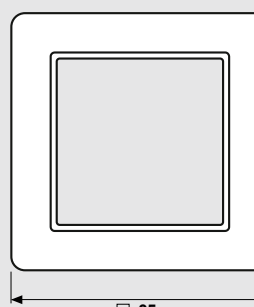
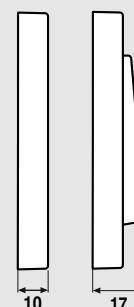
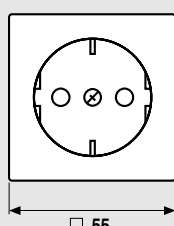
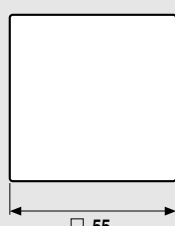
Frames can be horizontally and vertically installed.  
Edge radius frame R 1.25



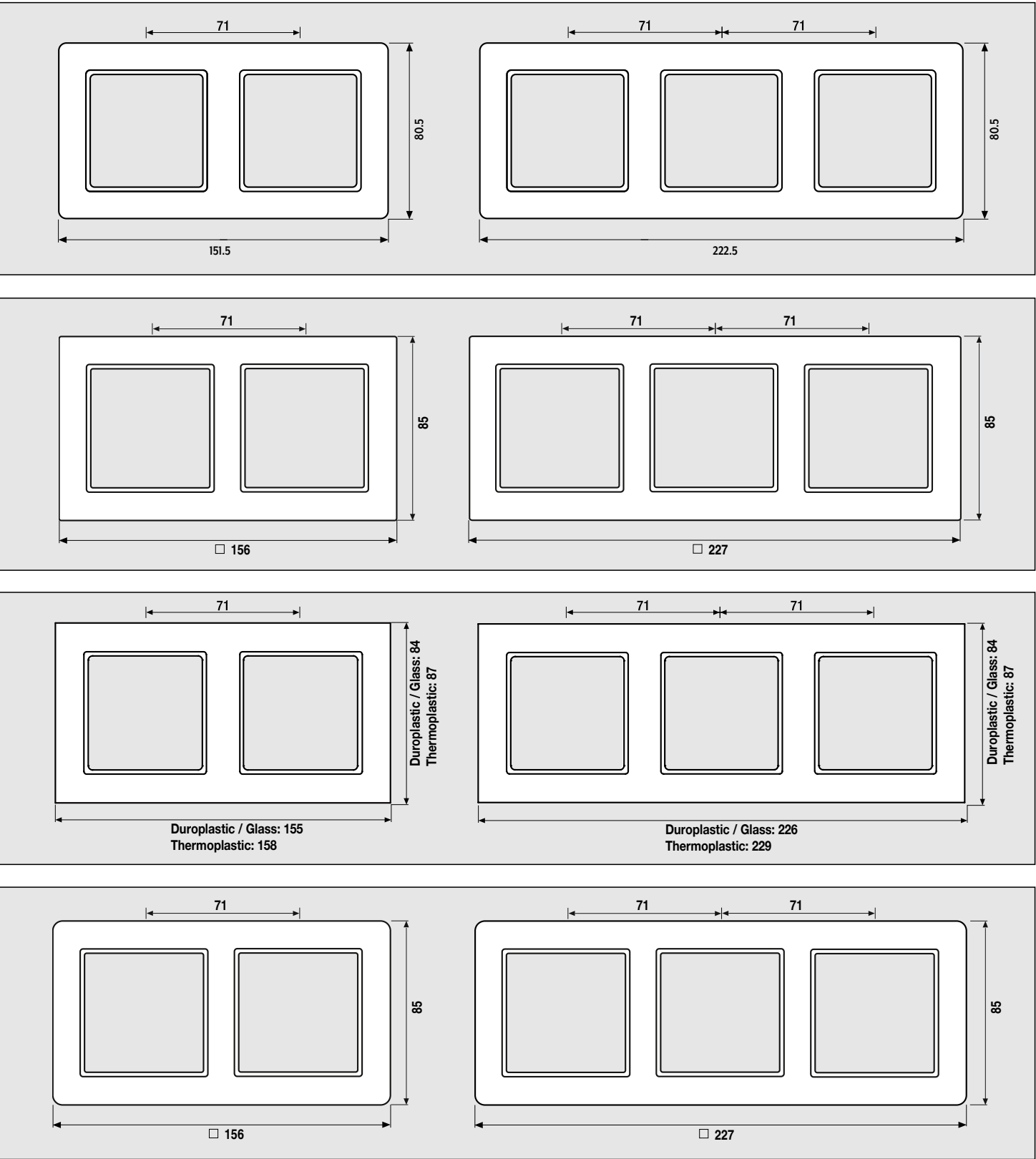
## A FLOW

Frame size  
4-gang 298 x 85 mm  
5-gang 369 x 85 mm

Frames can be horizontally and vertically installed.  
Edge radius frame R 4.5



More information on all JUNG switch ranges as well as design data sheets to download can be found on our website [jung.de/design-data-sheets](http://jung.de/design-data-sheets)

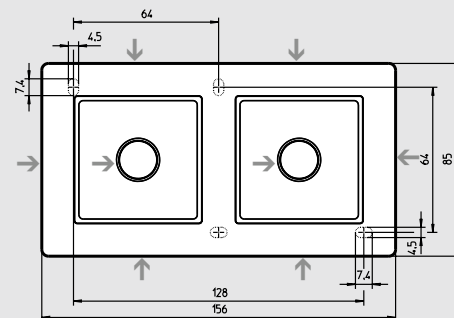
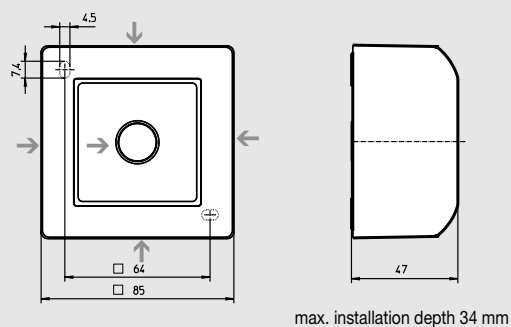


## Surface caps

### AS 500

Edge radius R 3

→ Cable entry

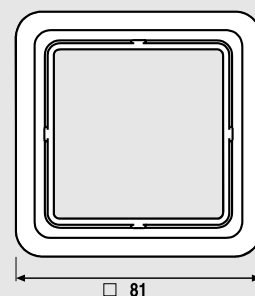
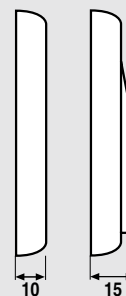
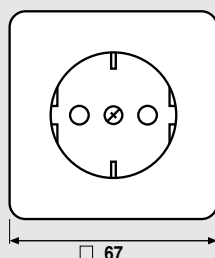
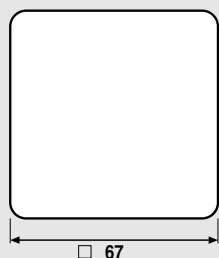


## CD 500

### CD 500 breakproof

Frame size  
4-gang 294 x 81 mm  
5-gang 365 x 81 mm

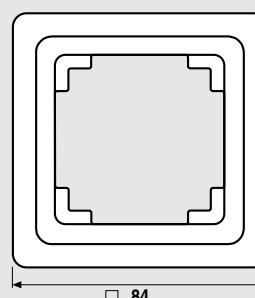
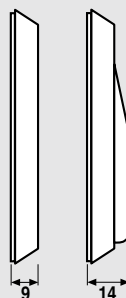
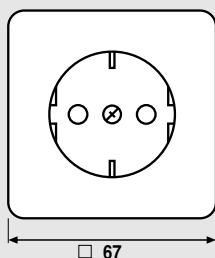
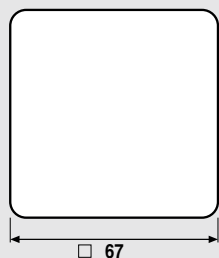
Frames can be horizontally  
and vertically installed.  
Edge radius frame R 8.5



## CD PLUS

Frame size  
4-gang 297 x 84 mm  
5-gang 368 x 84 mm

Frames can be horizontally  
and vertically installed.  
Edge radius frame R 5.4

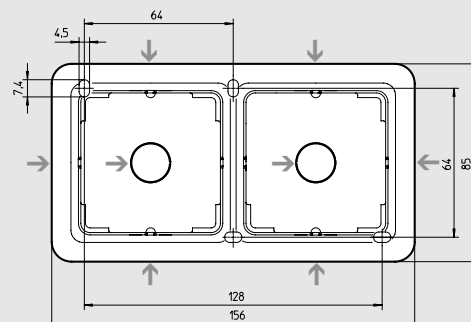
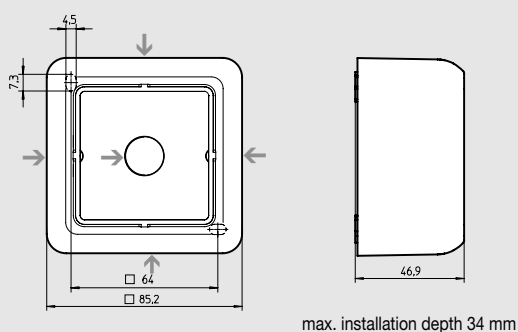


## Surface caps

### CD 500

Edge radius R 8.5

→ Cable entry

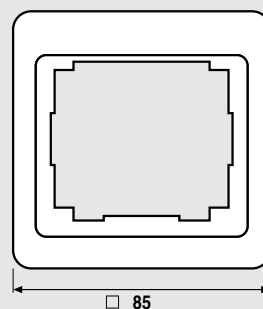
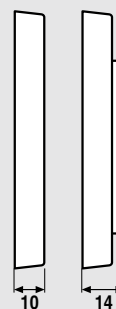
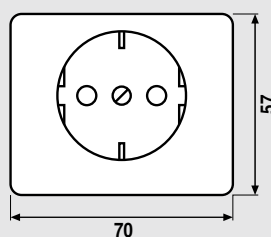
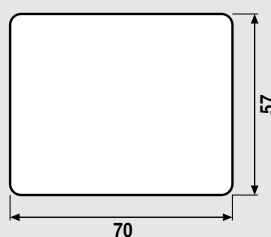


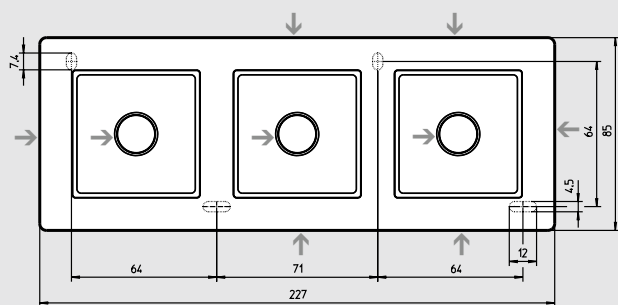
## SL 500

Frame size  
4-gang 298 x 85 mm  
5-gang 369 x 85 mm

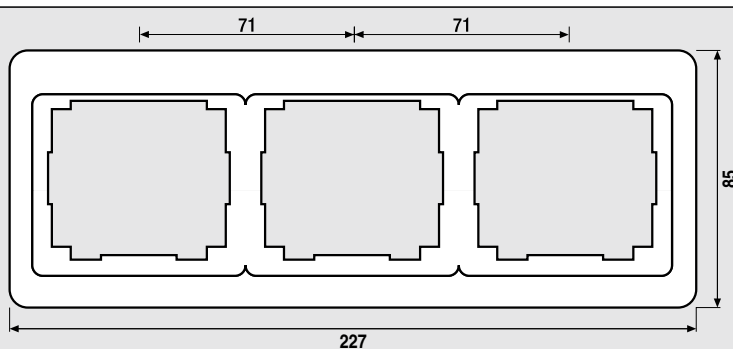
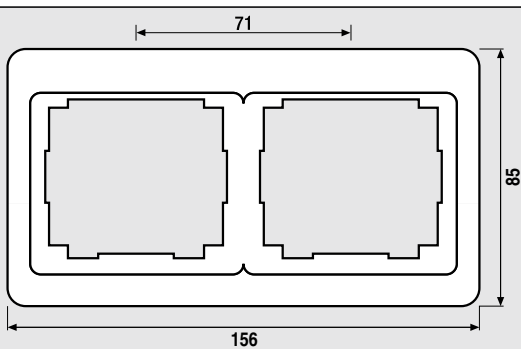
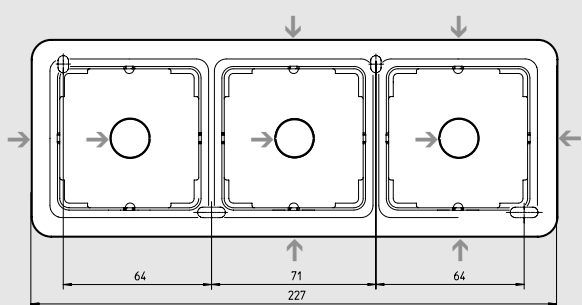
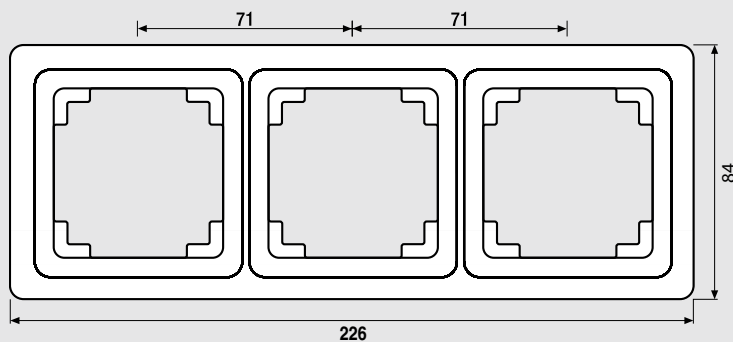
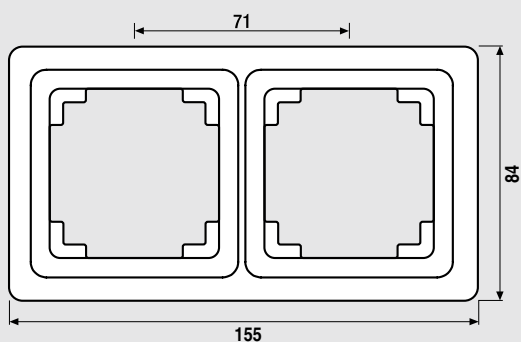
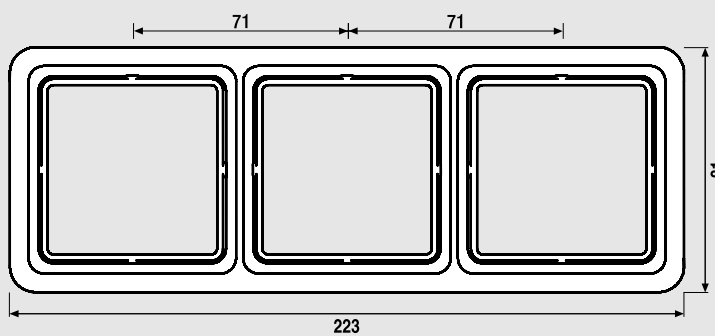
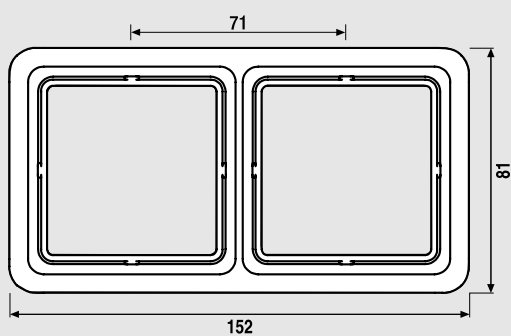
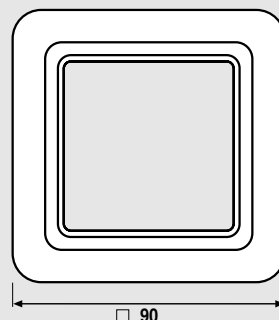
Different frames for  
horizontal and vertical  
installation.  
Only multiple horizontal  
frames are shown.

Edge radius R 5



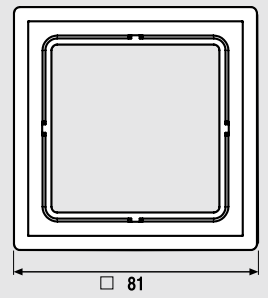
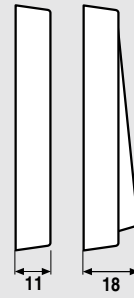
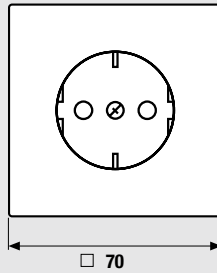
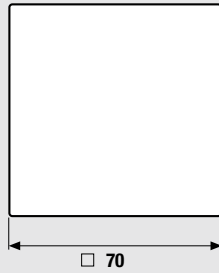


CD 681 WU



## LS 990

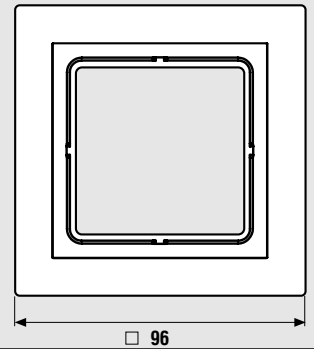
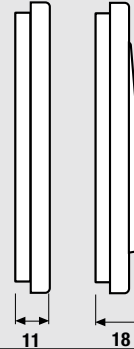
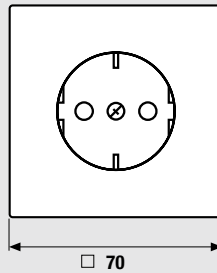
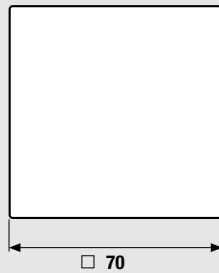
Frame size  
 4-gang 294 x 81 mm  
 5-gang 365 x 81 mm  
 Frames can be horizontally  
 and vertically installed.  
 Edge radius frame  
 LS 990 R 2  
 Aluminium / Anthracite /  
 Brass R 1.5  
 Stainless steel R 2  
 Chrome R 2  
 Gold-coloured R 2  
 Gold 24 Carat R 2



## LS DESIGN

Available frames:  
 Duroplastic: 1 to 5-gang  
 Thermo: 1 to 3-gang  
 Metal: 1 to 3-gang  
 Lacquered metal: 4 to 5-gang  
 Frame size  
 4-gang 309 x 96 mm  
 5-gang 380 x 96 mm

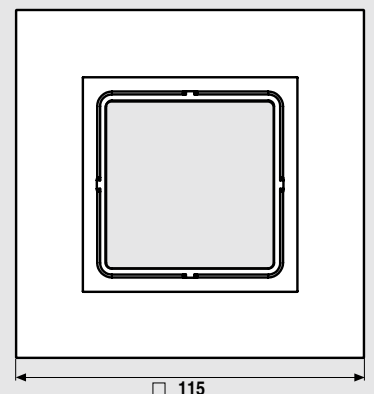
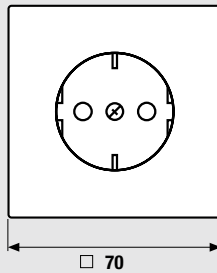
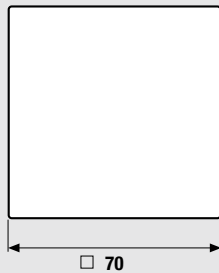
Frames can be horizontally  
 and vertically installed.  
 Edge radius frame R 1.5



## LS PLUS

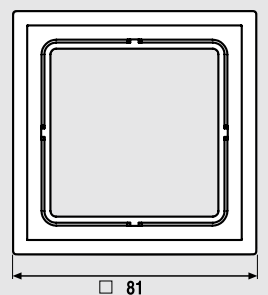
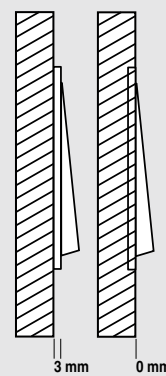
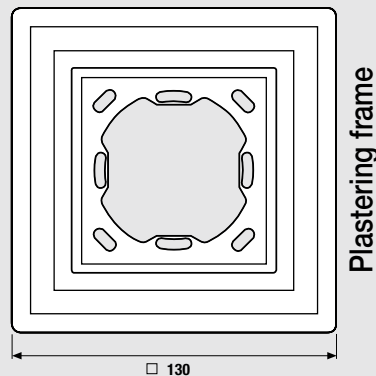
Frame size  
 4-gang 328 x 115 mm  
 5-gang 399 x 115 mm

Frames can be horizontally  
 and vertically installed.  
 Edge radius frame fase 0.5 x 45°



## LS ZERO

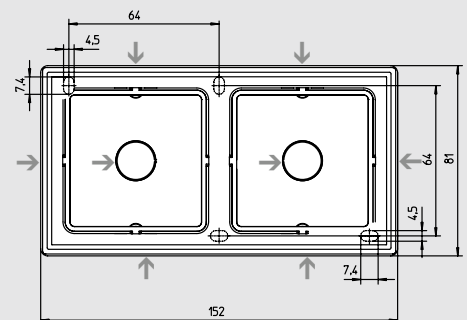
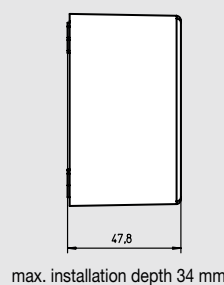
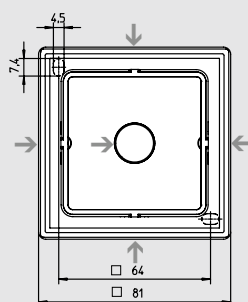
Frames can be horizontally  
 and vertically installed.  
 Edge radius frame R 2



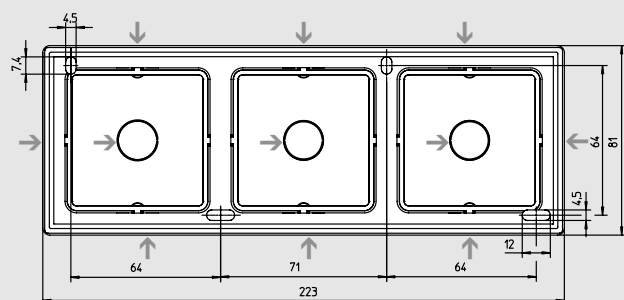
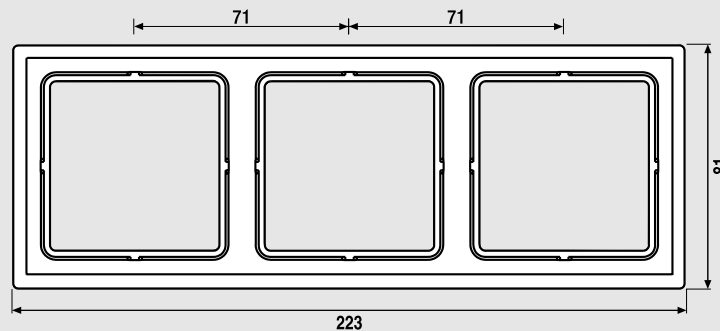
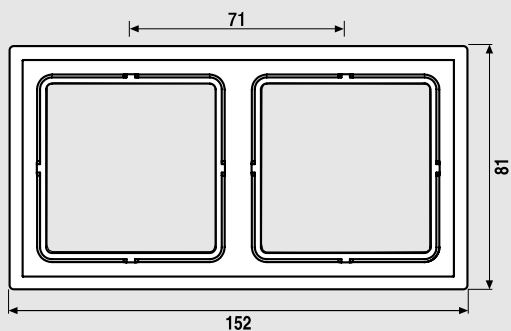
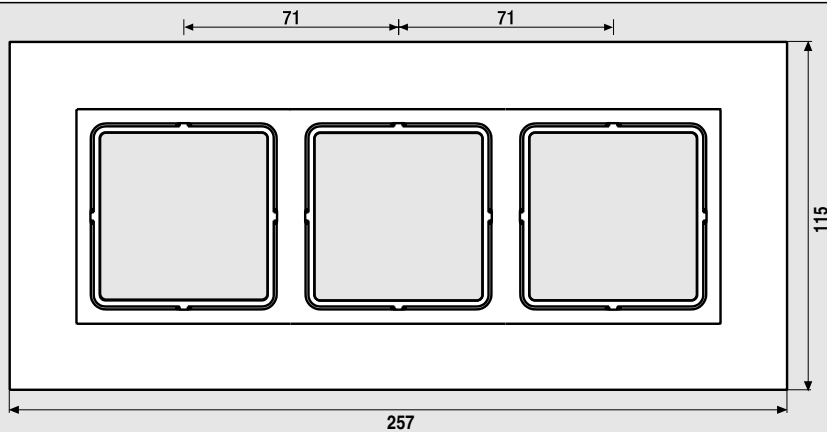
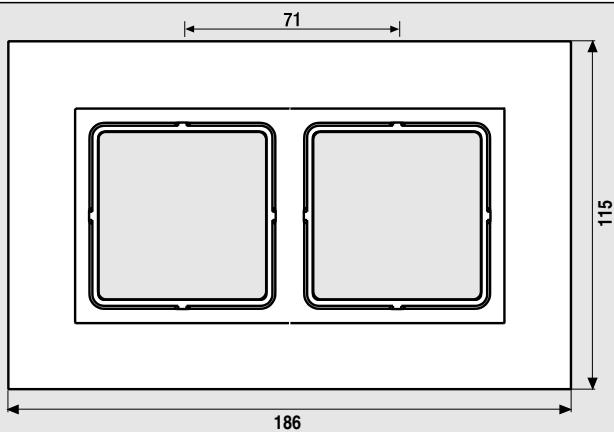
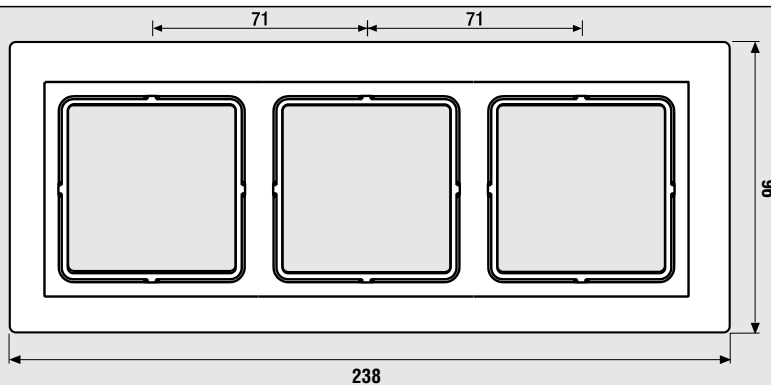
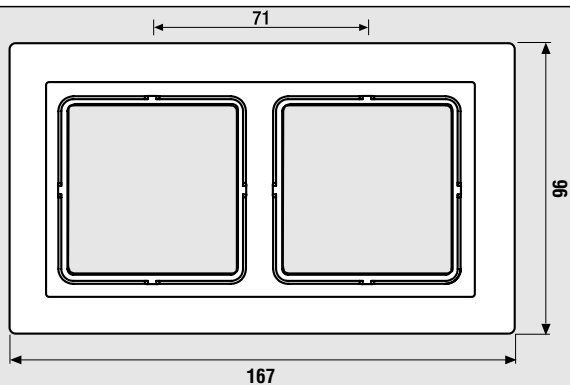
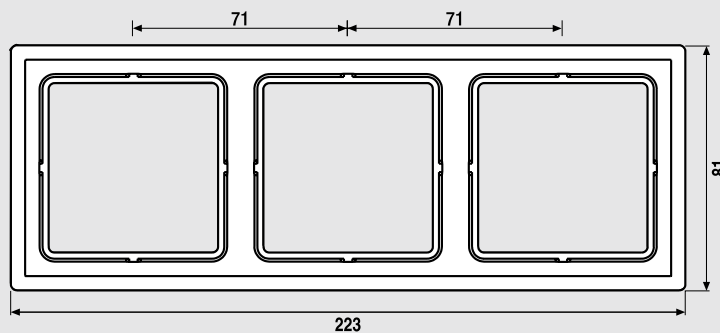
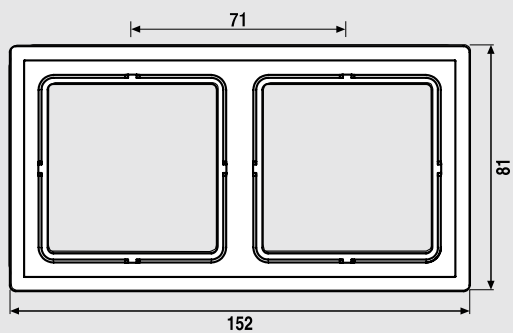
## Surface caps LS CUBE

Edge radius R 0.2

→ Cable entry



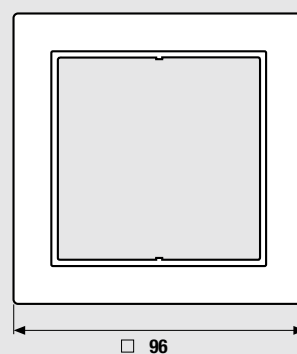




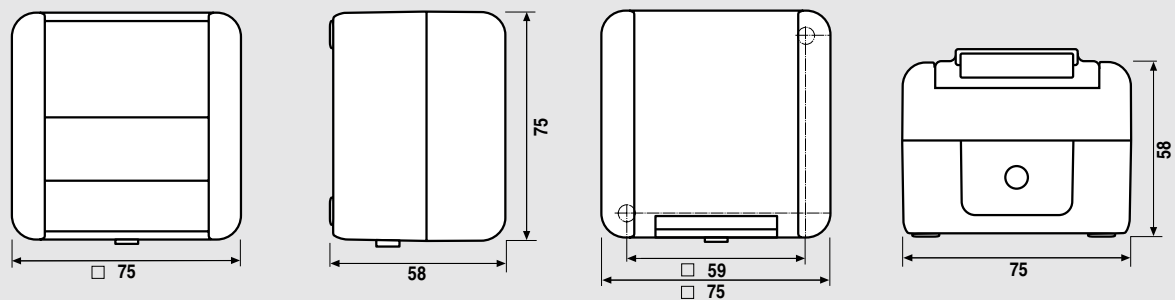
## FLAT DESIGN

Frame size  
2-gang 167 x 96 mm  
3-gang 238 x 96 mm

Frames can be horizontally  
and vertically installed.  
Edge radius frame R 1.5

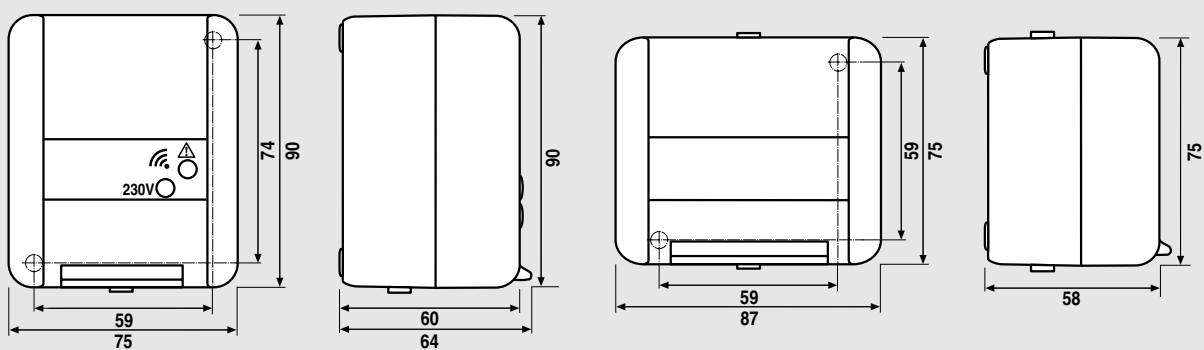


## WG 800



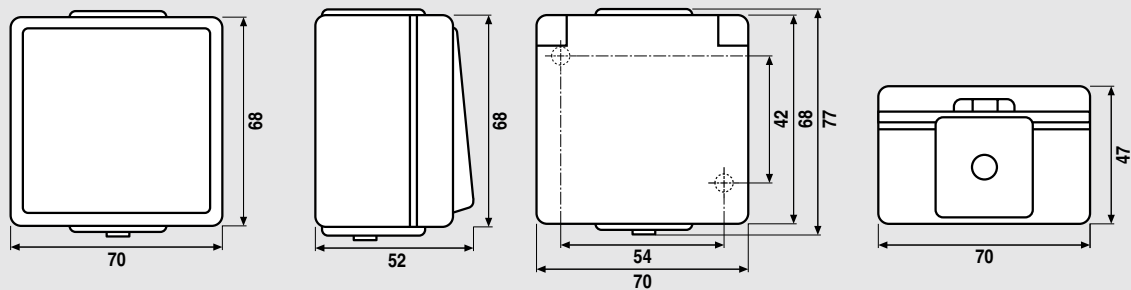
Edge radius R 7

## WG 800



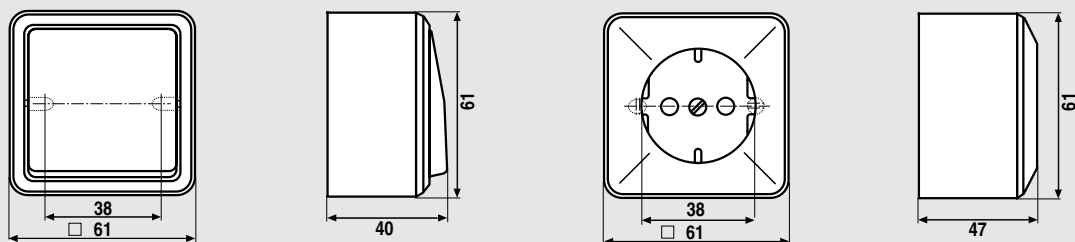
Edge radius R 7

## WG 600

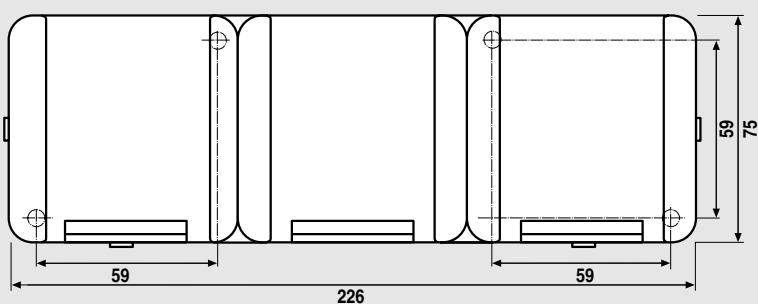
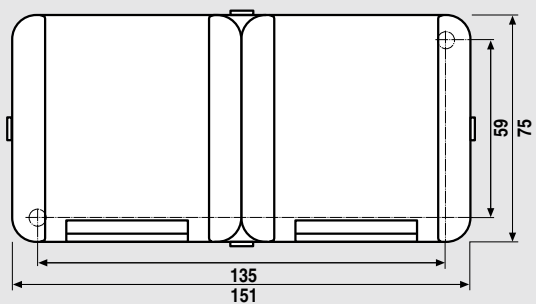


Edge radius R 4

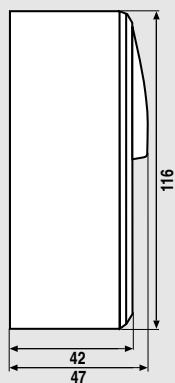
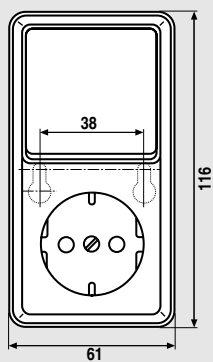
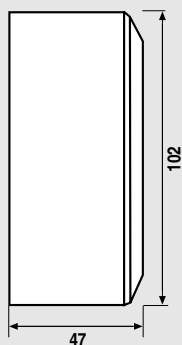
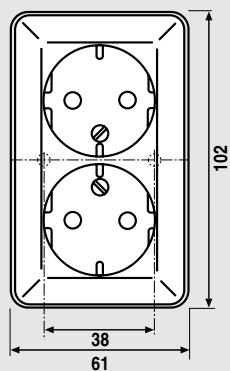
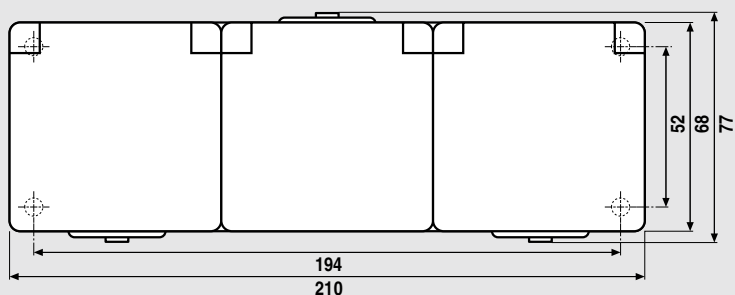
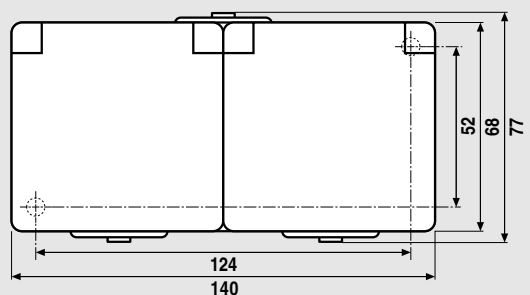
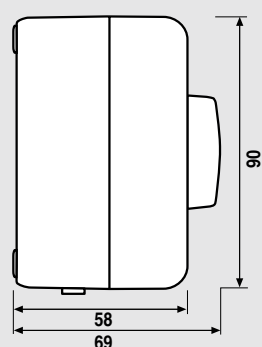
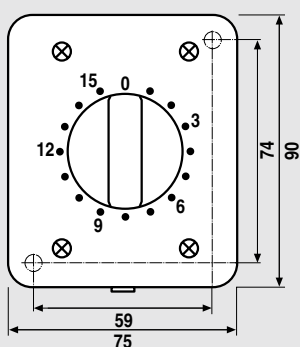
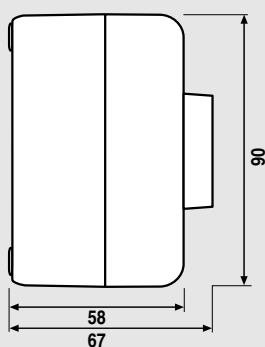
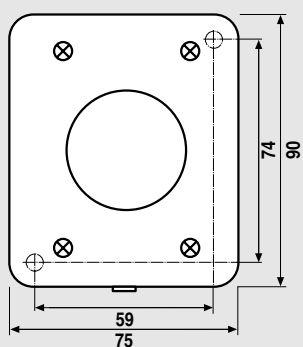
## AP 600



Edge radius R 6



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Experience aesthetics in the heart of Clerkenwell, London – an architectural melting pot. Roman heritage, Georgian house fronts, modern skyscrapers define the cityscape just like Victorian bay and sash windows.



Architecture icons like Lord Norman Foster and Zaha Hadid set up their offices here. The London architecture scene is characterised by innovation and internationality – a familiar setting for JUNG. In the creative district of Clerkenwell the German premium

manufacturer of modern building technology opened its first showroom in the United Kingdom. JUNG's design apartment shows its high-quality products and individual solutions to potential customers.

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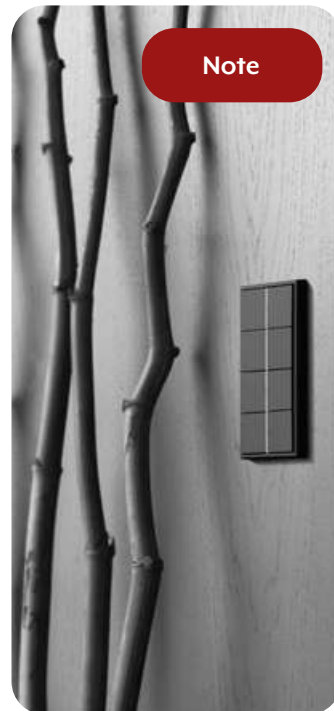
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