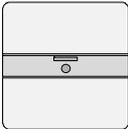
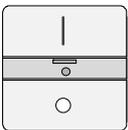
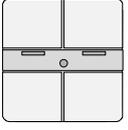
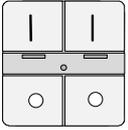
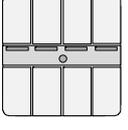
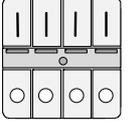


DELTA profil	Pushbutton single	UP 241, UP 242,	neutral with I/O symbols	5WG1 241-2AB_1 5WG1 242-2AB_1
	Pushbutton double	UP 243, UP 244,	neutral with I/O symbols	5WG1 243-2AB_1 5WG1 244-2AB_1
		UP 245, UP 246,	neutral with I/O symbols	5WG1 245-2AB_1 5WG1 246-2AB_1
	DELTA style	Pushbutton single	UP 285,	neutral
Pushbutton double		UP 286,	neutral	5WG1 286-2AB_1
Pushbutton quadruple		UP 287,	neutral	5WG1 287-2AB_1



Product	DELTA profil	DELTA style
Pushbutton single, neutral 	pearl grey 5WG1 241-2AB01 titanium white 5WG1 241-2AB11 anthracite 5WG1 241-2AB21 silver 5WG1 241-2AB71	basalt black / metallic silver 5WG1 285-2AB01 titanium white 5WG1 285-2AB11 basalt black 5WG1 285-2AB21 platinum metallic 5WG1 285-2AB41 titanium white / metallic silver 5WG1 285-2AB81
Pushbutton single, with I/O symbols 	pearl grey 5WG1 242-2AB01 titanium white 5WG1 242-2AB11 anthracite 5WG1 242-2AB21 silver 5WG1 242-2AB71	
Pushbutton double, neutral 	pearl grey 5WG1 243-2AB01 titanium white 5WG1 243-2AB11 anthracite 5WG1 243-2AB21 silver 5WG1 243-2AB71	basalt black / metallic silver 5WG1 286-2AB01 titanium white 5WG1 286-2AB11 basalt black 5WG1 286-2AB21 platinum metallic 5WG1 286-2AB41 titanium white / metallic silver 5WG1 286-2AB81
Pushbutton double, with I/O symbols 	pearl grey 5WG1 244-2AB01 titanium white 5WG1 244-2AB11 anthracite 5WG1 244-2AB21 silver 5WG1 244-2AB71	
Pushbutton quadruple, neutral 	pearl grey 5WG1 245-2AB01 titanium white 5WG1 245-2AB11 anthracite 5WG1 245-2AB21 silver 5WG1 245-2AB71	basalt black / metallic silver 5WG1 287-2AB01 titanium white 5WG1 287-2AB11 basalt black 5WG1 287-2AB21 platinum metallic 5WG1 287-2AB41 titanium white / metallic silver 5WG1 287-2AB81
Pushbutton quadruple, with I/O symbols 	pearl grey 5WG1 246-2AB01 titanium white 5WG1 246-2AB11 anthracite 5WG1 246-2AB21 silver 5WG1 246-2AB71	

DELTA profil	Pushbutton single	UP 241,	neutral	5WG1 241-2AB_1
		UP 242,	with I/O symbols	5WG1 242-2AB_1
	Pushbutton double	UP 243,	neutral	5WG1 243-2AB_1
		UP 244,	with I/O symbols	5WG1 244-2AB_1
DELTA style	Pushbutton quadruple	UP 245,	neutral	5WG1 245-2AB_1
		UP 246,	with I/O symbols	5WG1 246-2AB_1
	Pushbutton single	UP 285,	neutral	5WG1 285-2AB_1
	Pushbutton double	UP 286,	neutral	5WG1 286-2AB_1
	Pushbutton quadruple	UP 287,	neutral	5WG1 287-2AB_1

Product	DELTA profil	DELTA style
Frame	ordered separately from the DELTA ranges	
	cut-out frames	—
Bus coupling unit	UP 110; UP 114	

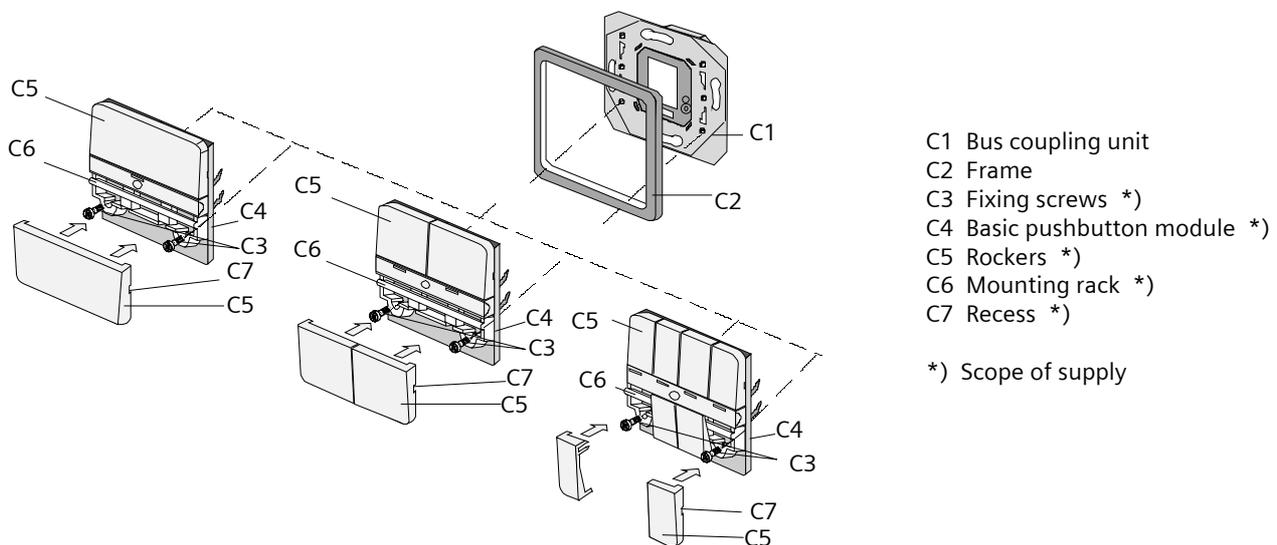


Diagram 1: Mounting the pushbutton

Product and Applications Description

There is an upper and a lower operating field on the pushbuttons. In the middle of the pushbutton there is a note panel in which pictograms can be inserted. This panel also contains display elements (LEDs) for orientation lighting and also for status displays. Opposing rockers are combined to form a pair e.g. for defined switching, dimming, controlling shutters and blinds.

It is also possible to carry out the switching functions ON and OFF e.g. via a pushbutton "UP".

Using an application program, the flush-mounted pushbuttons give commands via the flush-mounted bus coupler for example to actuators for defined switching on/off, for dimming lamps, raising/lowering shutters or for louvre adjustment or other parameterisable functional units.

The device pushbutton is placed together with the relevant DELTA frame on the flush-mounted bus coupler and can only function in combination with the bus coupler UP and an appropriate application program, i.e. the pushbuttons (with bus coupler UP) consist of the devices (hardware) and the application programs (software).

The bus coupler UP and the relevant frame are not supplied with the device but must be ordered separately.

Using the ETS program, the application programs can be selected and the specific parameters and addresses can be assigned.

DELTA profil	Pushbutton single	UP 241,	neutral	5WG1 241-2AB_1
		UP 242,	with I/O symbols	5WG1 242-2AB_1
	Pushbutton double	UP 243,	neutral	5WG1 243-2AB_1
		UP 244,	with I/O symbols	5WG1 244-2AB_1
DELTA style	Pushbutton quadruple	UP 245,	neutral	5WG1 245-2AB_1
		UP 246,	with I/O symbols	5WG1 246-2AB_1
	Pushbutton single	UP 285,	neutral	5WG1 285-2AB_1
	Pushbutton double	UP 286,	neutral	5WG1 286-2AB_1
	Pushbutton quadruple	UP 287,	neutral	5WG1 287-2AB_1

Application Programs

Pushbutton single

12 S1 On-off-toggle/Dim/Shu/Display 211301

- Pushbutton for
 - switching On / OFF / toggle
 - dimming
 - blinds control
- 1 LED for status indication or orientation light
- 1 LED orientation light

20 S1 Rocker (BCU2) 907402

(when using UP 114)

- Pushbutton for
 - switching On / OFF / toggle / bell function
 - dimming
 - 8 bit value
 - blinds control
 - scene 1 bit (recall/store)
- separate pushbutton objects for switching and value
- 1 LED for status indication via a separate LED object
- 1 LED orientation light

Pushbutton double

12 S2 On-off-toggle/Dim/Shu/Display 221301

- Pushbutton for
 - switching On / OFF / toggle
 - dimming
 - blinds control
- 2 LEDs for status indication or orientation light
- 1 LED orientation light

20 S2 Rocker (BCU2) 907502

(when using UP 114)

- Pushbutton for
 - switching On / OFF / toggle / bell function
 - dimming
 - 8 bit value
 - blinds control
 - scene 1 bit (recall/store)
- separate pushbutton objects for switching and value
- 2 LEDs for status indication via separate LED objects
- 1 LED orientation light

Pushbutton quadruple

12 S4 On-off/Dim/Shutter 241301

- Pushbutton for
 - switching On / OFF / toggle
 - dimming
 - 8 bit value
 - blinds control
- 4 LEDs for status indication or orientation light
- 1 LED orientation light

12 S4 On/Off/Toggle/Value 241901

- Pushbutton for
 - switching On / OFF / toggle / bell function
 - 8 bit value
- separate pushbutton objects
- 4 LEDs for status indication or orientation light
- 1 LED orientation light

20 S4 Rocker (BCU2) 907602

(when using UP 114)

- Pushbutton for
 - switching On / OFF / toggle / bell function
 - dimming
 - 8 bit value
 - blinds control
 - scene 1 bit (recall/store)
- separate pushbutton objects for switching and value
- 4 LEDs for status indication via separate LED objects
- 1 LED orientation light

DELTA profil	Pushbutton single	UP 241,	neutral	5WG1 241-2AB_1
		UP 242,	with I/O symbols	5WG1 242-2AB_1
	Pushbutton double	UP 243,	neutral	5WG1 243-2AB_1
		UP 244,	with I/O symbols	5WG1 244-2AB_1
DELTA style	Pushbutton quadruple	UP 245,	neutral	5WG1 245-2AB_1
		UP 246,	with I/O symbols	5WG1 246-2AB_1
	Pushbutton single	UP 285,	neutral	5WG1 285-2AB_1
		UP 286,	neutral	5WG1 286-2AB_1
	Pushbutton quadruple	UP 287,	neutral	5WG1 287-2AB_1

Installation instructions

- The device can be used for permanent interior installations, in dry rooms and for insertion in flush-type boxes.



DANGER

- The device may only be installed and commissioned by an authorized electrician.
- The device may not be inserted in the same box as 230 V devices.
- The device may be used in switch sockets, if VDE approved devices have been used.
- The prevailing safety and accident regulations must be observed.
- The device may not be opened.
- For planning and construction of electric installations, the relevant guidelines, regulations and standards of the respective country are to be considered.

Technical data

Power supply

- via the flush-mounted bus coupler

Operating elements

- 1, 2 or 4 pairs of rockers, idle in the middle position
- Number of switching cycles: > 20,000

Display elements

- per pair of pushbuttons 1 LED red for status display e.g. pushbutton quadruple = 4 LEDs
- 1 LED red for orientation light

Connections

- 10-pole plug connector (PEI): for connection to the flush-mounted bus coupler

Mechanical data

- Housing: plastic
- Dimensions:
 - DELTA profil (L x W x D): 65 x 65 x 11 mm
 - DELTA style (L x W x D): 68 x 68 x 14 mm
- Weight: approx. 40 g
- Fire load: approx. 950 kJ ± 10 %
- Mounting: placed on the flush-mounted bus coupler

Electrical safety

- Degree of pollution (according to IEC 60664-2): 2
- Type of protection (according to EN 60529): IP 20
- Protection class (according to IEC 61140): III
- Overvoltage category (according to IEC 60664-1): III
- Bus: safety extra-low voltage SELV DC 24 V
- Device complies with EN 50090-2-2 and IEC 60664-1: 1992

Reliability

- Rate of failure: 27 fit at 40° C

EMC requirements

- complies with EN 50081-1, EN 61000-6-2 and EN 50090-2-2

Environmental conditions

- Climatic withstand capability: EN 50090-2-2
- Ambient operating temperature: - 5 ... + 45 °C
- Storage temperature: - 25 ... + 70 °C
- Relative humidity (not condensing): 5 % to 93 %

Markings

- KNX / EIB

CE mark

- in accordance with the EMC guideline (residential and functional buildings) and the low voltage guideline

DELTA profil	Pushbutton single	UP 241,	neutral	5WG1 241-2AB_1
		UP 242,	with I/O symbols	5WG1 242-2AB_1
	Pushbutton double	UP 243,	neutral	5WG1 243-2AB_1
		UP 244,	with I/O symbols	5WG1 244-2AB_1
DELTA style	Pushbutton quadruple	UP 245,	neutral	5WG1 245-2AB_1
		UP 246,	with I/O symbols	5WG1 246-2AB_1
	Pushbutton single	UP 285,	neutral	5WG1 285-2AB_1
	Pushbutton double	UP 286,	neutral	5WG1 286-2AB_1
	Pushbutton quadruple	UP 287,	neutral	5WG1 287-2AB_1

Location and function of the operating and display elements

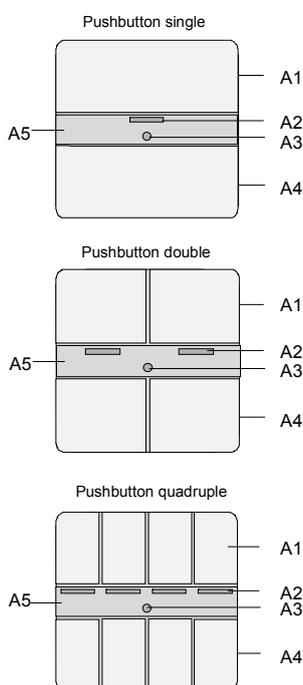


Diagram 2: Location of display and operating elements

- A1 Upper operating field
- A2 LEDs for display
- A3 LED as an orientation light
- A4 Lower operating field
- A5 Cover for pictograms

Mounting

General description

The pushbutton is placed together with the relevant frame on the flush-mounted bus coupler. The flush-mounted bus coupler (C1) is connected to the flush-type box and fixed in position (refer to the installation instructions for the bus coupler).

Mounting sequence

- Place the basic pushbutton module (C4, diagram 3) with the relevant frame (C2) on the flush-mounted bus coupler (C1) and press the one strongly upon the other.

Using fixing screws:

- If the fixing screws (C3) are used first of all the rockers (C5) have to be lifted out altogether. This can be achieved by inserting the screwdriver between the frames in the recess (C7) and applying leverage (diagram 4).
- Important: The pushbutton module (C4, diagram 3) and the rockers (C5) together with the frame (C2) must be held down / pressed down.
- Screw down the fixing screws (C3).
- The rockers (C5) have to be orientated properly and clicked upon the mounting rack (C6).

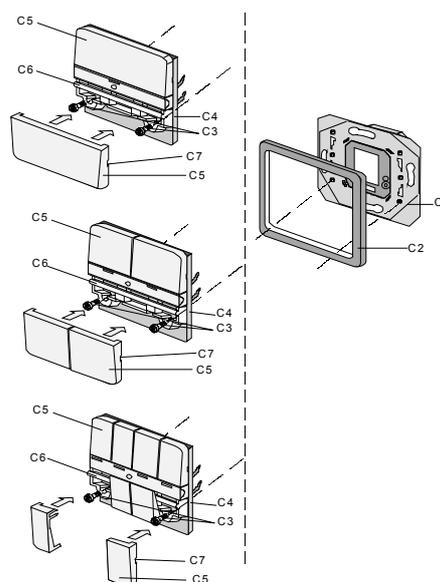
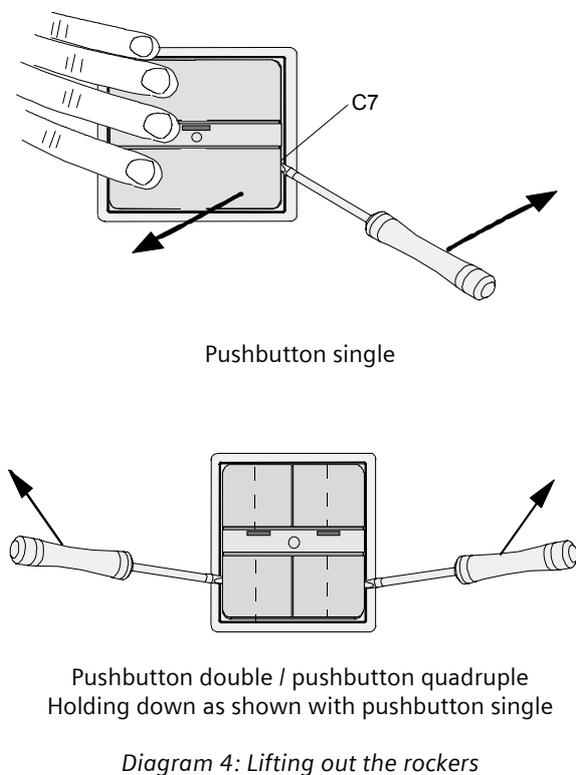


Diagram 3: mounting sequence

DELTA profil	Pushbutton single	UP 241,	neutral	5WG1 241-2AB_1
		UP 242,	with I/O symbols	5WG1 242-2AB_1
	Pushbutton double	UP 243,	neutral	5WG1 243-2AB_1
		UP 244,	with I/O symbols	5WG1 244-2AB_1
DELTA style	Pushbutton quadruple	UP 245,	neutral	5WG1 245-2AB_1
		UP 246,	with I/O symbols	5WG1 246-2AB_1
	Pushbutton single	UP 285,	neutral	5WG1 285-2AB_1
	Pushbutton double	UP 286,	neutral	5WG1 286-2AB_1
	Pushbutton quadruple	UP 287,	neutral	5WG1 287-2AB_1

Drawing for mounting the fixing screws



Inserting pictograms

- Lift out the pictogram cover (A5) with the screwdriver by applying leverage, during this hold down the pushbutton module (C4).

DELTA profil

- Insert the screwdriver into the slot (A2) until it reaches the stop and then wiggle it.

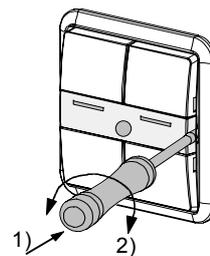
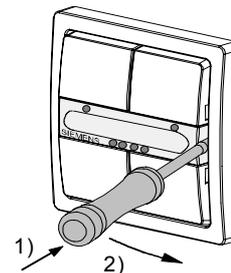


Diagram 5: Lifting out the pictogram cover

- Lay the pictograms onto the foundation.
- Snap on the pictogram cover (A5) again.

DELTA style



- 1) Insert the screwdriver between the frame and the pushbutton module.
- 2) Swivel the screwdriver towards the wall.

Diagram 6: Lifting out the pictogram cover

DELTA profil	Pushbutton single	UP 241,	neutral	5WG1 241-2AB_1
		UP 242,	with I/O symbols	5WG1 242-2AB_1
	Pushbutton double	UP 243,	neutral	5WG1 243-2AB_1
		UP 244,	with I/O symbols	5WG1 244-2AB_1
DELTA style	Pushbutton quadruple	UP 245,	neutral	5WG1 245-2AB_1
		UP 246,	with I/O symbols	5WG1 246-2AB_1
	Pushbutton single	UP 285,	neutral	5WG1 285-2AB_1
	Pushbutton double	UP 286,	neutral	5WG1 286-2AB_1
	Pushbutton quadruple	UP 287,	neutral	5WG1 287-2AB_1

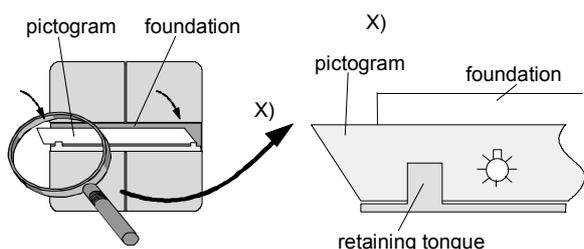


Diagram 7: inserting the pictograms

- Snap on the pictogram cover (A5) again

Dismantling

Without fixing screws

- Remove the pushbutton (C4, diagram 3) completely together with the frame from the flush-mounted bus coupler (C1):
 - a) with the mere hand
 - b) with a screwdriver beneath the frame / wall

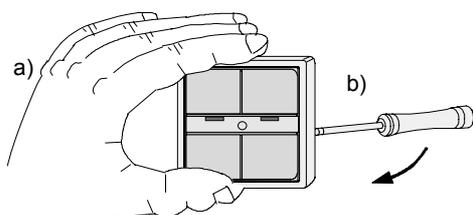


Diagram 8: Dismantling

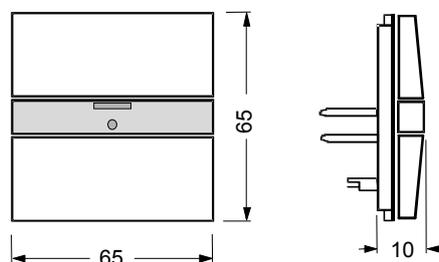
With fixing screws

- Remove the rockers as described at „Mounting / using fixing screws“.
- Screw out the fixing screws (C3)
- Snap on the rockers (C5) again
- Remove the whole pushbutton module (C4) as described at „Without fixing screws“.

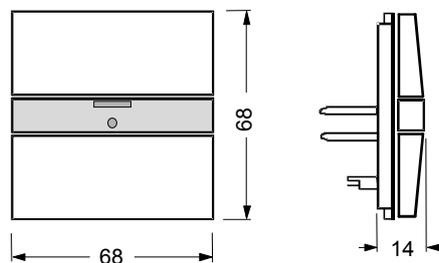
Dimension Diagram

Dimensions in mm

DELTA profil



DELTA style



General Notes

- The operating instructions must be handed over to the client.
- Any faulty device should be returned to the local Siemens office.
- If you have further questions concerning the product please contact our technical support:

☎ +49 (180) 5050-222

☎ +49 (180) 5050-223

🌐 www.siemens.com/automation/support-request