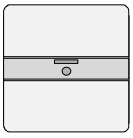
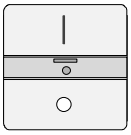
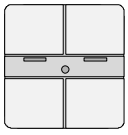
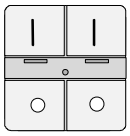
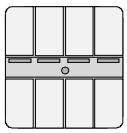
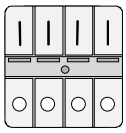
Push button UP 241, 1 - fold	**5WG1 241-2AB__**
Push button UP 242, 1 - fold	**5WG1 242-2AB__**
Push button UP 285, 1 - fold	**5WG1 285-2AB__**
Push button UP 243, 2 - fold	**5WG1 243-2AB__**
Push button UP 244, 2 - fold	**5WG1 244-2AB__**
Push button UP 286, 2 - fold	**5WG1 286-2AB__**
Push button UP 245, 4 - fold	**5WG1 245-2AB__**
Push button UP 246, 4 - fold	**5WG1 246-2AB__**
Push button UP 287, 4 - fold	**5WG1 287-2AB__**

Product		DELTA profil		DELTA style	
Push button 1-fold		pearl grey titanium white anthracite silver	5WG1 241-2AB01 5WG1 241-2AB11 5WG1 241-2AB21 5WG1 241-2AB71	titanium white basalt black titanium white metallic silver basalt black metallic silver	5WG1 285-2AB11 5WG1 285-2AB21 5WG1 285-2AB81 5WG1 285-2AB01
		pearl grey titanium white anthracite silver	5WG1 242-2AB01 5WG1 242-2AB11 5WG1 242-2AB21 5WG1 242-2AB71		
Push button 2-fold		pearl grey titanium white anthracite silver	5WG1 243-2AB01 5WG1 243-2AB11 5WG1 243-2AB21 5WG1 243-2AB71	titanium white basalt black titanium white metallic silver basalt black metallic silver	5WG1 286-2AB11 5WG1 286-2AB21 5WG1 286-2AB81 5WG1 286-2AB01
		pearl grey titanium white anthracite silver	5WG1 244-2AB01 5WG1 244-2AB11 5WG1 244-2AB21 5WG1 244-2AB71		

© Siemens AG 2003
Subject to change without prior notice

Push button UP 241, 1 - fold	**5WG1 241-2AB__**
Push button UP 242, 1 - fold	**5WG1 242-2AB__**
Push button UP 285, 1 - fold	**5WG1 285-2AB__**
Push button UP 243, 2 - fold	**5WG1 243-2AB__**
Push button UP 244, 2 - fold	**5WG1 244-2AB__**
Push button UP 286, 2 - fold	**5WG1 286-2AB__**
Push button UP 245, 4 - fold	**5WG1 245-2AB__**
Push button UP 246, 4 - fold	**5WG1 246-2AB__**
Push button UP 287, 4 - fold	**5WG1 287-2AB__**

Push button 4-fold 	pearl grey	5WG1 245-2AB01	titanium white	5WG1 287-2AB11
	titanium white	5WG1 245-2AB11	basalt black	5WG1 287-2AB21
	anthracite	5WG1 245-2AB21	titanium white metallic silver	5WG1 287-2AB81
	silver	5WG1 245-2AB71	basalt black metallic silver	5WG1 287-2AB01
	pearl grey	5WG1 246-2AB01		
	titanium white	5WG1 246-2AB11		
	anthracite	5WG1 246-2AB21		
	silver	5WG1 246-2AB71		
Frame	ordered separately from the DELTA ranges			
	cut-out frames		——	
Bus coupling unit	UP 110; UP 114; UP 115			

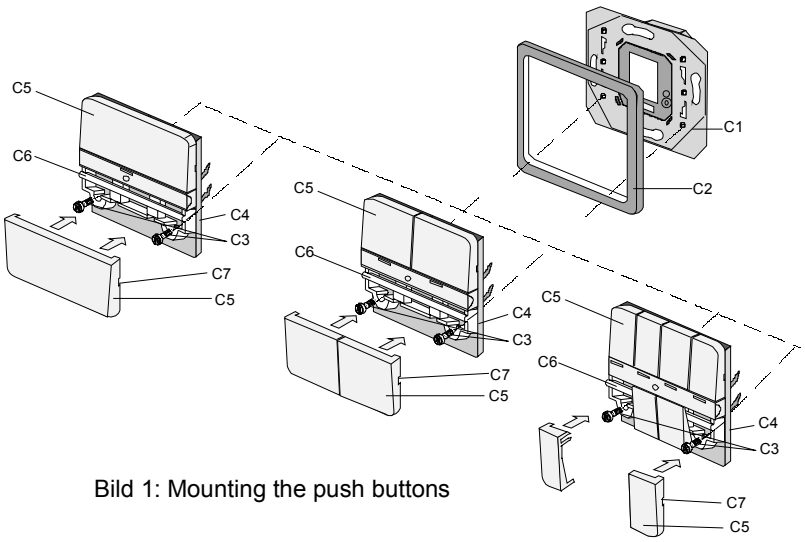


Bild 1: Mounting the push buttons

C1 Bus coupling unit
C2 Frame
C3 Fixing screws *)
C4 Basic push button module *)
C5 Rockers *)

*) Scope of supply

Product and Applications Description

There is an upper and a lower operating field on the push buttons. In the middle of the push button 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 push button “UP”.

Using an application program, the flush-mounted push buttons 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 push buttons + IR 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

© Siemens AG 2003
Subject to change without prior notice

Push button UP 241, 1 - fold	**5WG1 241-2AB__**
Push button UP 242, 1 - fold	**5WG1 242-2AB__**
Push button UP 285, 1 - fold	**5WG1 285-2AB__**
Push button UP 243, 2 - fold	**5WG1 243-2AB__**
Push button UP 244, 2 - fold	**5WG1 244-2AB__**
Push button UP 286, 2 - fold	**5WG1 286-2AB__**
Push button UP 245, 4 - fold	**5WG1 245-2AB__**
Push button UP 246, 4 - fold	**5WG1 246-2AB__**
Push button UP 287, 4 - fold	**5WG1 287-2AB__**

program, i.e. the push buttons (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 (*EIB* Tool Software), the application programs can be selected and the specific parameters and addresses can be assigned.

Application Programs

12 S1 On-off-toggle/Dim/Shu/Display 211301
- 1 x switching on/off/toggle or
- 2 x toggle
- 1 x dimming or 1 x blinds control
- 1 x display actual state and 1 x orientation light

20 S1 Rocker (BA 2) 907402
(When using UP 114/02)
- 1 x switching on/off/toggle or
- 2 x toggle
- 1 x dimming or 1 x blinds control
- Scene (recall/store)
- 1 x display actual state and 1 x orientation light

Notes for installation

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

⚠ WARNING

- The device may only be installed and commissioned by an authorised 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
  The pairs of rockers are interlocked via software so that malfunctions are not triggered when they are operated simultaneously.
- Number of switching cycles: > 20,000

Display elements
- per flush-mounted push button device
  1 LED red as a display for orientation
- per pair of push buttons
  1 LED red for status display
  e.g. 4-fold push button = 4 LED red.

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

© Siemens AG 2003
Subject to change without prior notice

Push button UP 241, 1 - fold	**5WG1 241-2AB__**
Push button UP 242, 1 - fold	**5WG1 242-2AB__**
Push button UP 285, 1 - fold	**5WG1 285-2AB__**
Push button UP 243, 2 - fold	**5WG1 243-2AB__**
Push button UP 244, 2 - fold	**5WG1 244-2AB__**
Push button UP 286, 2 - fold	**5WG1 286-2AB__**
Push button UP 245, 4 - fold	**5WG1 245-2AB__**
Push button UP 246, 4 - fold	**5WG1 246-2AB__**
Push button UP 287, 4 - fold	**5WG1 287-2AB__**

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 %

Approval

EIB-certified

CE mark

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

Location and function of the operating and display elements

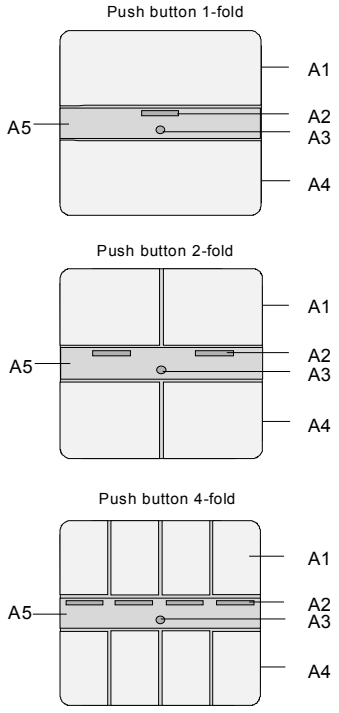


Diagram 2: Location of display and operating elements

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 push button + IR 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 push button 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 push button 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).

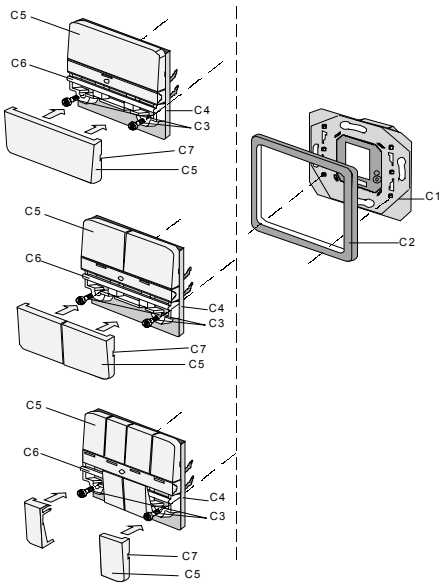
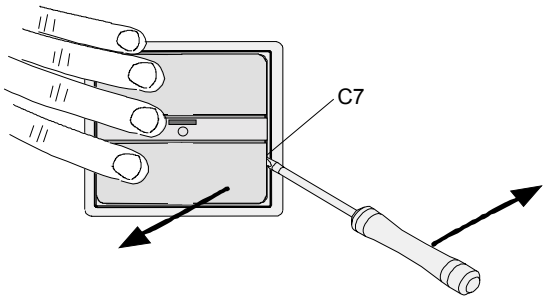


Diagram 3: mounting sequence

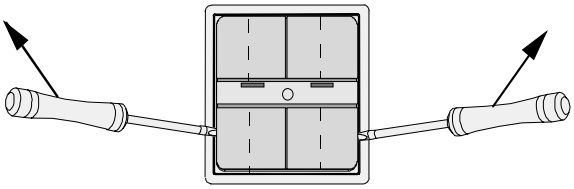
© Siemens AG 2003
Subject to change without prior notice

Push button UP 241, 1 - fold	**5WG1 241-2AB__**
Push button UP 242, 1 - fold	**5WG1 242-2AB__**
Push button UP 285, 1 - fold	**5WG1 285-2AB__**
Push button UP 243, 2 - fold	**5WG1 243-2AB__**
Push button UP 244, 2 - fold	**5WG1 244-2AB__**
Push button UP 286, 2 - fold	**5WG1 286-2AB__**
Push button UP 245, 4 - fold	**5WG1 245-2AB__**
Push button UP 246, 4 - fold	**5WG1 246-2AB__**
Push button UP 287, 4 - fold	**5WG1 287-2AB__**

Drawing for mounting the fixing screws



Push button 1-fold



Push button 2-fold / push button 4-fold
Holding down as shown with push button 1-fold

Diagram 4: Lifting out the rockers

Inserting pictograms

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

DELTA profil

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

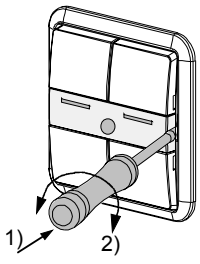
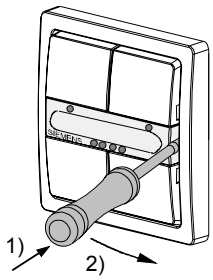


Diagram 5: Lifting out the pictogram cover

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

DELTA style



1) Insert the screwdriver between the frame and the push button module.
2) Swivel the screwdriver towards the wall.

Diagram 6: Lifting out the pictogram cover

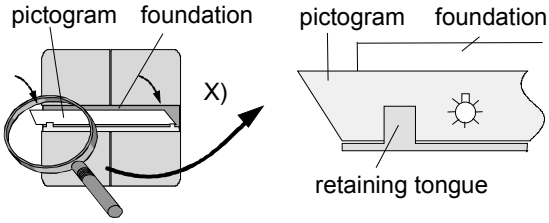


Diagram 7: inserting the pictograms

- Snap on the pictogram cover (A5) again.

Dismantling

Without fixing screws

- Remove the push button (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

© Siemens AG 2003
Subject to change without prior notice

Push button UP 241, 1 - fold	**5WG1 241-2AB__**
Push button UP 242, 1 - fold	**5WG1 242-2AB__**
Push button UP 285, 1 - fold	**5WG1 285-2AB__**
Push button UP 243, 2 - fold	**5WG1 243-2AB__**
Push button UP 244, 2 - fold	**5WG1 244-2AB__**
Push button UP 286, 2 - fold	**5WG1 286-2AB__**
Push button UP 245, 4 - fold	**5WG1 245-2AB__**
Push button UP 246, 4 - fold	**5WG1 246-2AB__**
Push button UP 287, 4 - fold	**5WG1 287-2AB__**

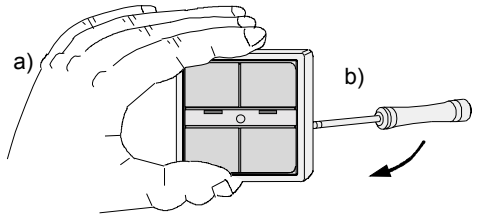


Diagram 8: Dismantling

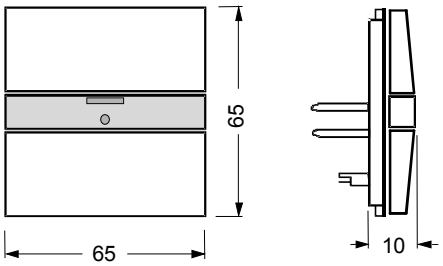
With fixing screws

- 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 push button module (C4) as described at „ Without fixing screws “.

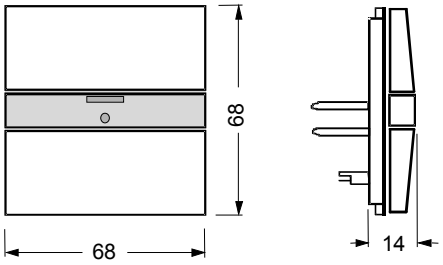
Dimension Diagram

Dimensions in mm

DELTA profil



DELTA style



General Notes

- Any faulty devices should be returned to the local Siemens office.
- If you have further questions about the product, please contact our Technical Support:

☎ +49 (0) 180 50 50-222
🖷 +49 (0) 180 50 50-223
✉ adsupport@siemens.com

© Siemens AG 2003
Subject to change without prior notice