

Product and Applications Description

The DELTA bus coupling unit UP 116 is available in the below variants:

two-state-switch type, single	5WG1 116-2AB01
two-state-switch type, 2-fold	5WG1 116-2AB11
push-button type, single	5WG1 116-2AB21
push-button type, 2-fold	5WG1 116-2AB31

Rocker switches from conventional DELTA switches series can be slid onto a DELTA bus coupling unit UP 116. According to their configuration (single or 2-fold) the single or 2-fold rocker switches can be used with or without window. Additionally, two LEDs are available for displaying the current state or for use as an orientation light (can be set in the parameter list). The LEDs are powered by the bus voltage.

Two state switch types have two switching points, they can be operated by pushing the top and bottom. Push-button types have only one (rocking down) switching point.

The single and 2-fold rocker switches slide onto the bus coupling unit UP 116 together with their frames.

The DELTA bus coupling unit UP 116 requires an appropriate application program to work properly, i.e. it consists of the devices (hardware) and the application program (software).

The single or 2-fold rocker switches and appropriate frames are not included and therefore have to be ordered separately.

With the ETS (EIB Tool Software) the application program is selected, the appropriate parameters and addresses are assigned and downloaded.

Accessories

- Rocker switches and frames from the conventional DELTA switches series

Additional Informations

<http://www.siemens.de/gamma>

Technical Specifications

Power supply

via bus cable

Connections

- bus line
 - screwless bus connection block
0,6...0,8 mm Ø single core
remove approx. 5mm of isolation
- single or twin rocker switch levers (as appropriate for configuration) for sliding on DELTA rocker switches

Physical specifications

- dimensions:
 - W x H: 71 x 71 mm
 - mounting depth: 32 mm
- weight: approx. 80 g
- installation:
 - when connecting to a single bus cable only:
box mount: Ø 60 mm, 40 mm deep
 - when connecting to more than one bus cable (looped through):
junction box mount: Ø 60 mm, 60 mm deep

Electrical safety

- protection (according to EN 60529): IP 20

Environmental specifications

- ambient temperature operating: - 5 ... + 45 °C
- storage temperature: - 25 ... + 70 °C
- relative humidity (non-condensing): 5 % to 93 %

Location and Function of the Display and Operator Elements

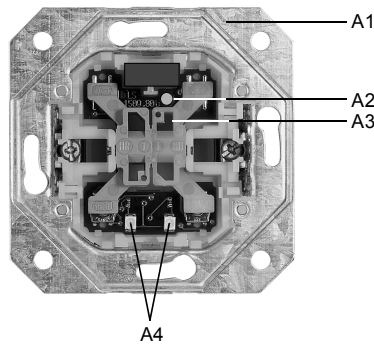


Figure 1: Location of the display and operator elements

- A1 Mounting hanger
- A2 Learning button for switching between normal operating mode and addressing mode combined with the LED for indicating normal operating mode (LED off) and addressing mode (LED on); upon receiving the physical address the device automatically returns to normal operating mode
- A3 Single or double switching lever (depending on configuration) for plugging on a DELTA rocker
- A4 LEDs for displaying states or for use as orientation lights

Mounting and Wiring

- The device may be used for permanent interior installations in dry locations within box mounts.

WARNING

- The device must be mounted and commissioned by an authorised electrician.
- The device must not be connected to 230 V or mounted in box mounts together with 230 V devices and/or 230 V cables.
- The device may be mounted to switch and socket combination box mounts if VDE-certified devices are used exclusively.
- The mounting hanger must not be earthed.
- The prevailing safety rules must be heeded.
- The device must not be opened.
- For planning and construction of electric installations, the relevant guidelines, regulations and standards of the respective country are to be considered

General description

The bus coupling unit is mounted to installation boxes, Ø 60 mm with screws and/or mounting clamps. The connection to the bus line is established via bus connection block 193 (screwless plug-in terminals for single core conductors).

Note: if using two-state-switch type DELTA bus coupling units:

If using the DELTA profil switches series you have to remove the colourless rubber pins from the backside of the rockers.

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:

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