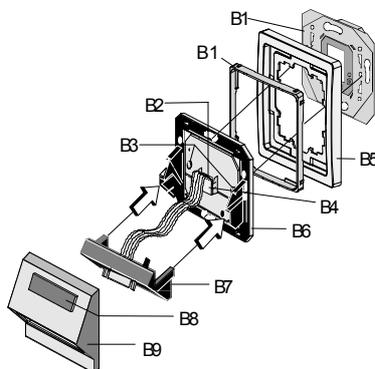


Interface UP 142/146

5WG1 142-2AB_1
5WG1 146-2AB_1



Product	DELTA profil	DELTA ambiente	DELTA style
Interface RS 232 	pearl grey 5WG1 146-2AB01 titanium 5WG1 146-2AB11 white anthracite 5WG1 146-2AB21 silver 5WG1 146-2AB71	arctic white 5WG1 142-2AB01 cosmos 5WG1 142-2AB11 grey royal blue 5WG1 142-2AB21	titanium white 5WG1 146-2AB11
	To be ordered separately from the DELTA range cut-out frames		
Frame			
Tier frame			titanium white 5TG1 1328
Bus coupling unit	UP 110; UP 114; UP 115		



- B1 Bus coupling unit UP
- B2 Socket connector *)
- B3 Mounting screws *)
- B4 8-pin plug-in connector with contacting pins *)
- B5 Frame
- B6 Base module *)
- B7 Supporting plate *)
- B8 Note label *)
- B9 Cover *)
- B10 Tier frame (style)

*) Scope of supply

Diagram 1: *Interface UP RS 232*

Product and Applications Description

With its built-in plug-and-socket device, it enables a personal computer (AT compatible PC) to be attached for addressing, parameterising, visualising, logging and diagnosis of bus devices.

With the interface it is possible to operate all bus devices in the whole bus system.

It allows devices isolated access to the bus line when a specified transmission protocol has to be adhered to.

The connection to the PC is arranged between the 9-pin SUB-D-socket of the interface RS 232 and the COM 1 or COM 2 interface.

The interface is slid onto the bus coupling unit UP together with its frame. It requires a bus coupling unit to work properly.

It is possible to e.g. remove a UP push button from its bus coupling unit UP and replace it with an interface UP. This does not destroy the application program of the bus coupling unit UP.

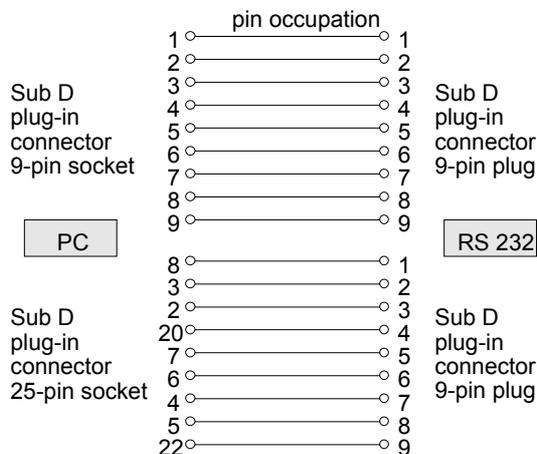
The bus coupling unit UP and frame are not included and therefore have to be ordered separately. Cut-out frames should be used for DELTA profil.

Application programs

10 CO Dummy 700002

- converts the bus coupling unit UP into interface mode and erases the bus coupling unit UP memory

Example of Operation



Installation Instructions

- The device may be used for permanent interior installations in dry locations within box mounts (in combination with a bus coupling unit UP).

⚠ WARNING

- The device must be mounted and commissioned by an authorised electrician.
- The device must not be mounted in box mounts together with 230 V devices.
- The device may be mounted to switch and socket combination box mounts (together with a bus coupling unit UP) if VDE-certified devices are used exclusively.
- The prevailing safety rules must be heeded.
- 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 bus coupling unit UP

Transmission rate

9600 baud

Connection cable

available from authorised electronics stores (see Example of Usage)

Connections

- 10-pin connector (PEI): for connection to a bus coupling unit UP
- RS 232 interface: 9-pin SUB-D plug
length of data cable: max. 15 m

Physical specifications

- housing: plastic
- dimensions (L x W x D):
65 x 65 x 40 mm
- weight: approx. 70 g
- fire load: approx. 1450 kJ ± 10 %
- installation: slide onto bus coupling unit UP and secure with the mounting screws included

Interface UP 142/146

5WG1 142-2AB_1
5WG1 146-2AB_1**Electrical safety**

- degree of pollution (according to IEC 60664-1): 2
- protection (according to EN 60529): IP 20
- protection class (according to IEC 61140): III
- overvoltage class (according to IEC 60664-1): III
- bus: safety extra low voltage SELV DC 24 V
- device complies with
EN 50 090-2-2 and IEC 60664-1

Reliability

rate of failure: <500 fit at 40 °C

Electromagnetic compatibility

complies with EN 50081-1, EN 61 000-6-2 and EN 50090-2-2

Environmental specifications

- climatic conditions: EN 50 090-2-2
- ambient temperature operating: - 5 ... + 45 °C
- storage temperature: - 25 ... + 70 °C
- relative humidity (non-condensing): 5 % to 93 %

Certification

EIB certificate

CE norm

complies with the EMC regulations (residential and functional buildings), and low voltage regulations

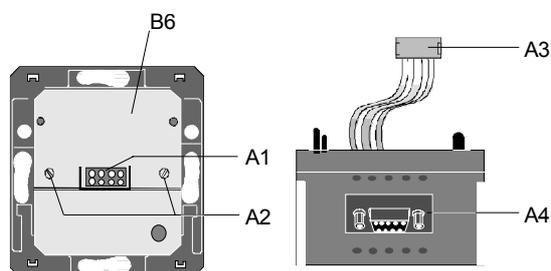
Location and function of the operating elements

Bild 2: Main module and supporting plate

- A1 8-pin socket connector
- A2 Mounting screws
- A3 8-pin plug-in connector
- A4 9-pin interface (SUB-D socket)
- B6 Base modul

Mounting and wiringGeneral description

The interface is slid onto the bus coupling unit UP together with its frame.

- The UP bus coupling unit is mounted and connected to the UP box mount (see mounting instructions of bus coupling unit UP).

Sequence of assembly

- The base module (B6) is slid together with the frames (B5/B10) onto the bus coupling unit UP (B1).
- Drive the mounting screws (B3) into (B1).
- Mount the supporting panel (B7) onto the base module (B6) and insert the 8-pole wire (B4) into (B2).
- Snap on the cover (B9)
- The cover of the note label (B8) can be removed by meshing into the recesses on its side faces if a note shall be applied.

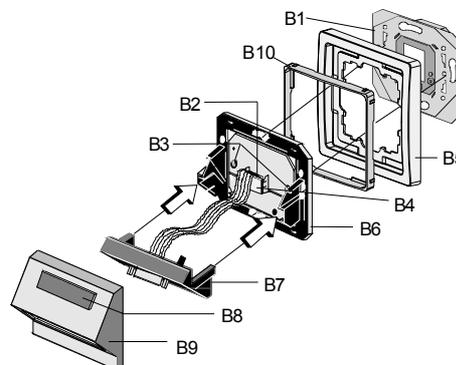


Diagram 3: Mounting the interface

- B1 Bus coupling unit UP
- B2 Socket connector
- B3 Mounting screws
- B4 8-pin plug-in connector with contacting pins
- B5 Frame
- B6 Base module
- B7 Supporting panel
- B8 Note label
- B9 Cover
- B10 Tier frame

Interface UP 142/146	5WG1 142-2AB_1 5WG1 146-2AB_1
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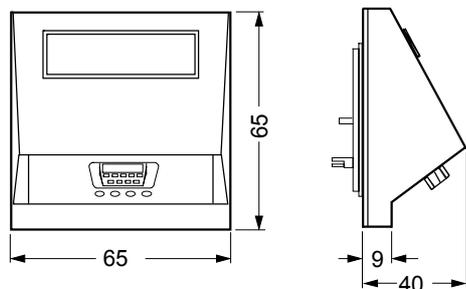
Dismounting

- Seize the cover (B9) on both sides and remove it by sliding it upwards.
- Loosen the screws (B3) and remove (B6) from (B1).

Dimension diagram

DELTA profil and DELTA ambiente

Dimensions in mm



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