

SK 0057 B94

The serial interface RS 232, 2-fold is used to couple an EIB-installation with a printer and/or PC for the purpose of logging, adjusting, visualizing etc.

A device can be connected via the 9-pin Sub-D socket connector to be adjusted to the ETS, for visualizing etc.

Via the screw-type terminals a device can be connected that is logging events on the EIB in conjunction with the application unit AB/S1.1 and the corresponding application.

If the 9-pin Sub-D connector on the front panel is used for programming with a printer connected, logging is interrupted for the period in which the connector is in use. The information to be logged is lost.

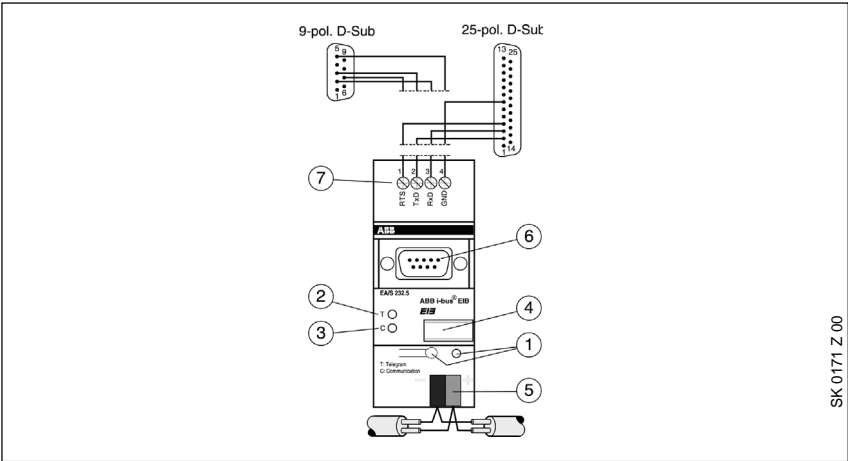
The bus connection is done via a bus connection terminal at the front.

### Technical Data

<b>Power supply</b>	– EIB	24 VDC, via the bus line
<b>Interface</b>	– RS 232 according to DIN 66 259, Section 1	
<b>Operating and indicators</b>	– LED and push button	for assigning the physical address
	– LED T	General telegram traffic on the bus
	– LED C	Communication via the interface (logging or programming)
<b>Connections</b>	– PC-connection	9-pin Sub-D connector, socket connector
	– Printer	4 screw-type terminals, connection cross-section 0.2-2.5 mm²
	– EIB	Bus connection terminal (included in scope of delivery)
<b>Type of protection</b>	– IP 20, EN 60 529	
<b>Ambient temperature range</b>	– Operation	- 5 °C ... 45 °C
	– Storage	-25 °C ... 55 °C
	– Transport	-25 °C ... 70 °C
<b>Design</b>	– modular installation device, proM	
<b>Housing</b>	– Plastic housing	
	– Colour	grey
<b>Mounting</b>	– on 35 mm mounting rail, DIN EN 50022	
<b>Dimensions</b>	– 90 x 36 x 61 mm (H x W x D)	
<b>Mounting depth/width</b>	– 68 mm / 2 modules at 18 mm	
<b>Weight</b>	– 0.09 kg	
<b>Certification</b>	– EIB-certified	
<b>CE norm</b>	– in accordance with the EMC guideline and the low voltage guideline	

Application programs	Number of communication objects	Max. number of group addresses	Max. number of associations
Communication Logging/1	2	2	2

Wiring diagram



- 1 Programming LED and push button

2 LED T

3 LED C

4 Label carrier
- 5 Bus connection terminal

6 PC-connection, 9-pin Sub-D connector

7 printer connection, 4 screw-type terminals

Note

**The ETS2 V1.1 without the Service Release B or newer causes errors when programming this device!**

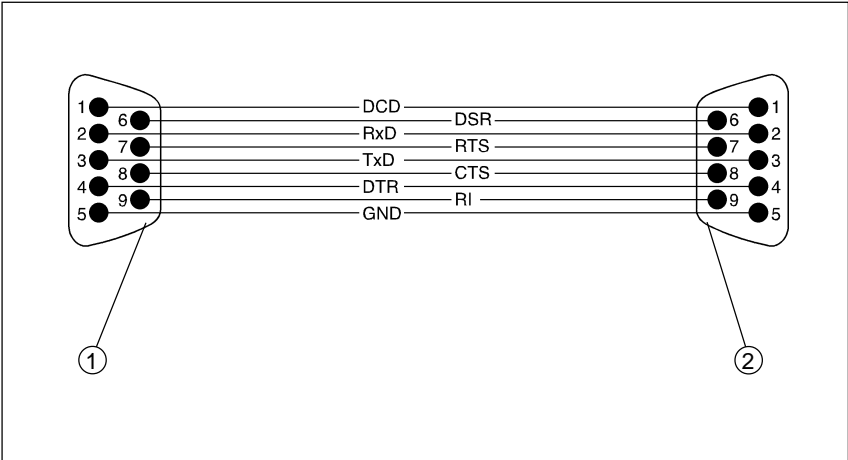
Therefore it is obliging to have installed the Service Release B, the Patch 001019 on the Commissioning-PC before the programming of the RS232-interface resp. before the programming of devices via the RS232-interface is done.

Additionally the file “update1.vd1” must be completely imported in the ETS2-database with the help of the ETS2-product administration.

You will get the Service Release B and the Patch 001019 under [www.EIBA.com](http://www.EIBA.com) or on our EIB-CD-ROM. The Patch 001019 and the file “update1.vd1” is available under our Homepage or on our EIB-CD-ROM.

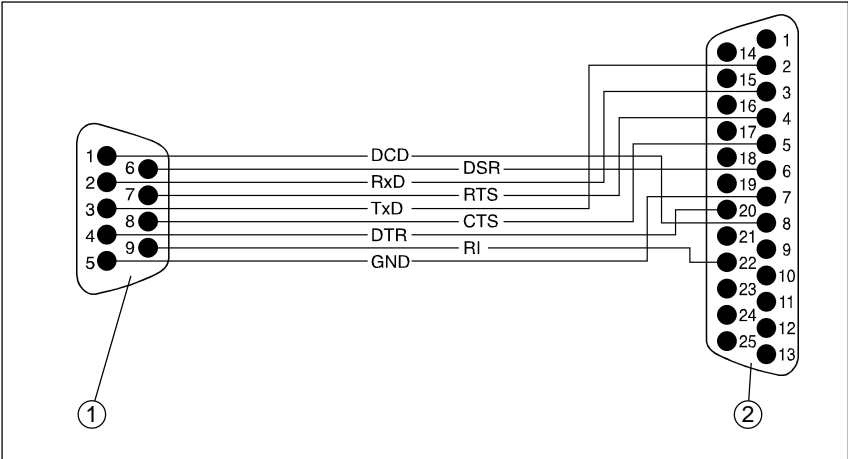
2

Connection to a PC  
with D-Sub socket connector, 9-pole



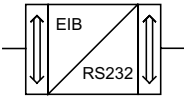
1 D-Sub plug connector, 9-pole      2 D-Sub socket connector, 9-pole

Connection to a PC  
with D-Sub socket connector, 25-pole



1 D-Sub plug connector, 9-pole      2 D-Sub socket connector, 25-pole

## Communication Logging/1



### Selection in ETS2

- ABB
  - └ Communication
  - └ Serial

### Communication objects

For communication and logging

### Parameters

### Communication

If the operation mode "communication only is selected", the serial interface is used to permanently link a PC with the EIB. A visualisation program could be installed for example on the PC. The integration of the interface into the EIB enables a correct assignment of the physical address.

### Logging

With the operation mode "communication and logging", the application program is used to output information onto logging devices (e.g. printer or PC with terminal emulation). The connected device must have the transmission parameters of 9600 baud, 8 data bits, 1 stop bit, no parity and no handshake.

The connecting cable between the serial interface and the logging device is carried out in accordance with the circuit diagram.

The application program operates in connection with the application unit. The application unit uses the application program "Logging 1.1".

If the object "Receive text" has received a telegram from the application unit, the interface then confirms the telegram via the object "Send acknowledge" and issues the corresponding log text on the connected printer.

So that the application unit can clearly detect whether the serial interface has received the log text correctly, each channel of the application unit may only address one serial interface.

If the 9-pole D SUB plug is used at the front of the connected printer for assigning parameters, the logging is interrupted while it is being used. The information that has been sent for logging purposes is lost.

No.	Type	Object name	Function
0	1 bit	Acknowledge	Send acknowledge
1	14 byte	Text	Receive text

- Operating mode	<b>Communication only</b> communication and logging
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