



The EIB Monitoring Unit EUB/S 1.1 enables monitoring of up to 100 devices in EIB / KNX systems. The bus devices (members) are monitored to ensure their presence and minimum functionality (send and receive).

The monitoring occurs by four different monitoring modes. Furthermore, devices can be combined in up to 5 groups for monitoring purposes.

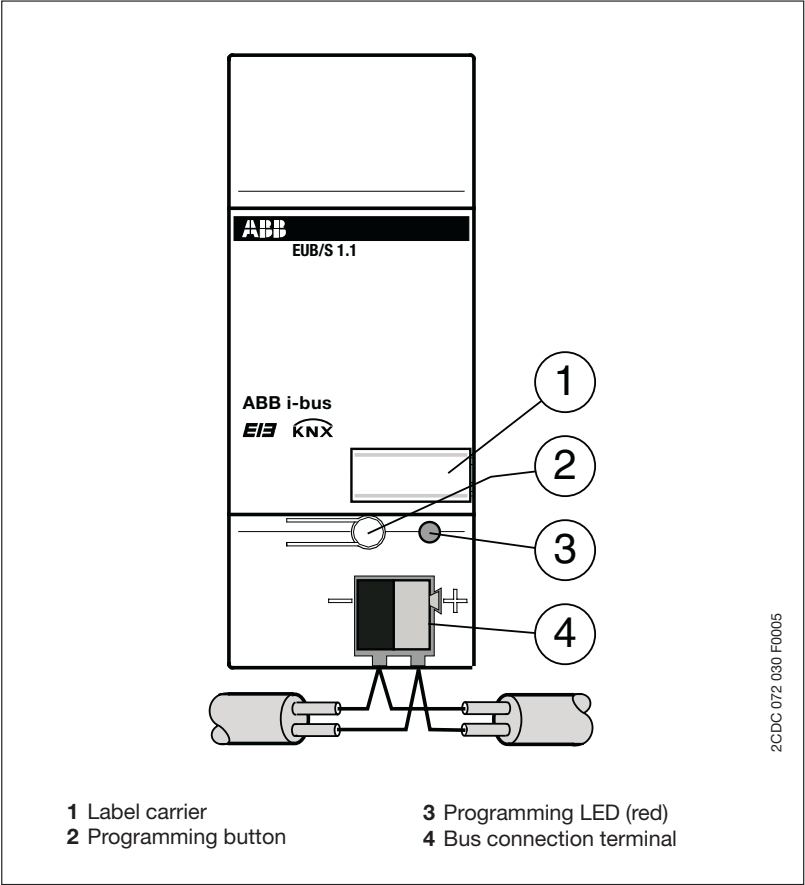
Technical Data

Power supply	- Operating voltage	21 ... 30 V DC, via EIB
	- Power consumption	Max. 10 mA
	- Leakage loss	Max. 200 mW
Connections	- EIB / KNX	Bus connection terminal
Operating and display elements	- Red LED and button	For assignment of the physical address
Enclosure	- IP 20	According to DIN EN 60 529
Safety class	- II	According to DIN EN 61 140
Isolation category	- Overvoltage category	III to DIN EN 60 664-1
	- Pollution degree	2 to DIN EN 60 664-1
EIB / KNX safety extra low voltage	- SELV 24 V DC	
Temperature range	- Operation	- 5 °C...+ 45 °C
	- Storage	- 25 °C...+ 55 °C
	- Transport	- 25 °C...+ 70 °C
Design	- Modular installation device (REG)	Modular installation device, ProM
	- Dimensions	90 x 36 x 64.5 mm (H x W x D)
	- Module width	2 modules at 18 mm
	- Mounting depth	64.5 mm
Installation	- On 35 mm mounting rail	According to DIN EN 60 715
Mounting position	- As required	
Weight	- 0.1 kg	
Housing, colour	- Plastic housing, grey	
CE norm	- In accordance with the EMC guideline and low voltage guideline	
Certification	- EIB / KNX to EN 50 090-1, -2	

Application program	Number communication objects	Max. number of group addresses	Max. number of associations
EIB Monitoring/1.1	232	254	255

- Note:** The programming requires EIB Software Tool ETS2 V1.1.3a or higher.
If ETS3 is used a “.VD3” type file must be imported.
The application program is available in the ETS2 / ETS3 at ABB/Security and Monitoring / Controller.
- Note:** Programming a device during monitoring can cause failures in operation.
Therefore the monitoring of devices should be blocked while programming.
- Note:** Monitoring via the physical address might not be possible for some devices or can affect operation. Those devices have to be monitored via a group address telegram.
- Examples:
- **Display and Control Tableau MT 701.2**
Monitoring or polling via the physical address is not possible for this device.
Monitoring only via group address telegram.
 - **Universal Concentrator UK/S 32.2**
During a monitoring request via the physical address, this device doesn't react on input signals and doesn't update outputs respectively.

Connection diagram



Dimension drawing

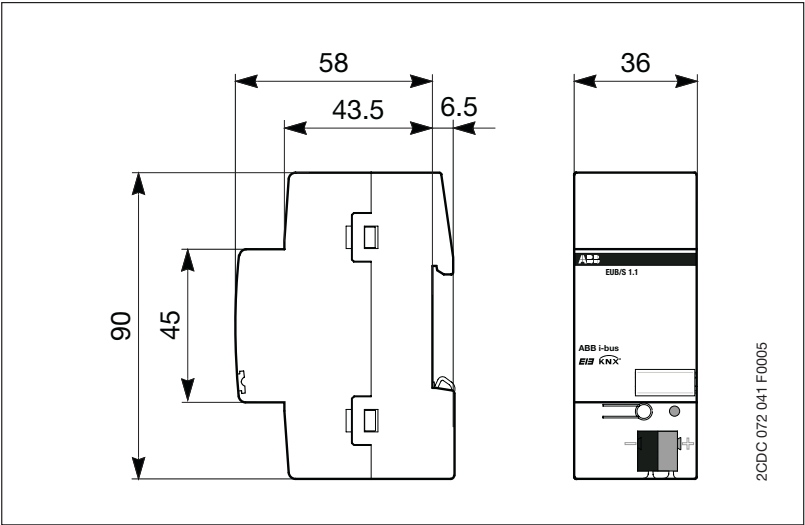


ABB i-bus® EIB / KNX

EIB Monitoring Unit, MDRC
EUB/S 1.1, 2CDG 110 066 R0011

14

14