

The USB interface USB/S 1.1 enables communication between the PC and the EIB installation. The data transfer is indicated by the EIB LED and the USB LED.

The USB interface can be used from ETS 3 V1.0 onwards.

The USB interface is simply connected to the ABB i-bus® and then connected to the USB. The USB interface is automatically detected under the PC operating system and installed.

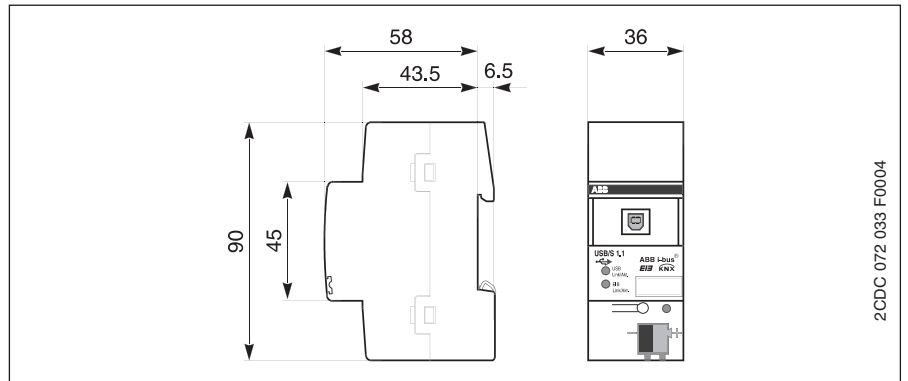
The ABB i-bus® connection is carried out at the front of the device via the bus connecting terminal supplied. The connection to the USB is likewise carried out at the front of the device.

**Technical Data**

<b>Operating voltage</b>	– ABB i-bus® EIB / KNX	typically 30 V DC (21 ... 32 V DC)
	– Max. power consumption from the ABB i-bus® EIB / KNX	12 mA at 20 V
	– Max. leakage loss of the ABB i-bus® EIB / KNX	240 mW
	– USB voltage	5 V DC
	– Max. power consumption from the USB	60 mA
	– Max. leakage loss of the USB	300 mW
	– Max. total leakage loss (ABB i-bus® EIB / KNX and USB)	540 mW
<b>Interface</b>	– USB	USB standard 1.1
<b>Operating and display elements</b>	– Programming LED	for assignment of the phys. address
	– Programming button	for assignment of the phys. address
<b>Connections</b>	– ABB i-bus® EIB / KNX	via bus connecting terminal, screwless
	– USB	via USB socket type B, max. cable length 5m (standard)
<b>Temperature range</b>	– Operation	0 °C ... + 45 °C
	– Storage	– 25 °C ... + 55 °C
	– Transport	– 25 °C ... + 70 °C
<b>Type of protection</b>	– IP 20	DIN EN 60 529
<b>Protection class</b>	– Class II	
<b>CE norm</b>	– in accordance with EMC and low voltage guidelines	
<b>Certification</b>	– EIB / KNX	Certificate
<b>Installation</b>	– on 35 mm mounting rail	DIN EN 60 715
<b>Dimensions</b>	– 90 x 36 x 64.5	(H x W x D)
<b>Mounting depth</b>	– 64.5 mm	
<b>Width in modules</b>	– 2	2 modules at 18 mm
<b>Weight</b>	– 0.09 kg	
<b>Housing</b>	– Plastic	
<b>Housing colour</b>	– grey	
<b>Model</b>	– Modular installation device	
<b>Device type</b>	– Modular DIN rail mounted device	MDRC
<b>Design</b>	– System pro M	

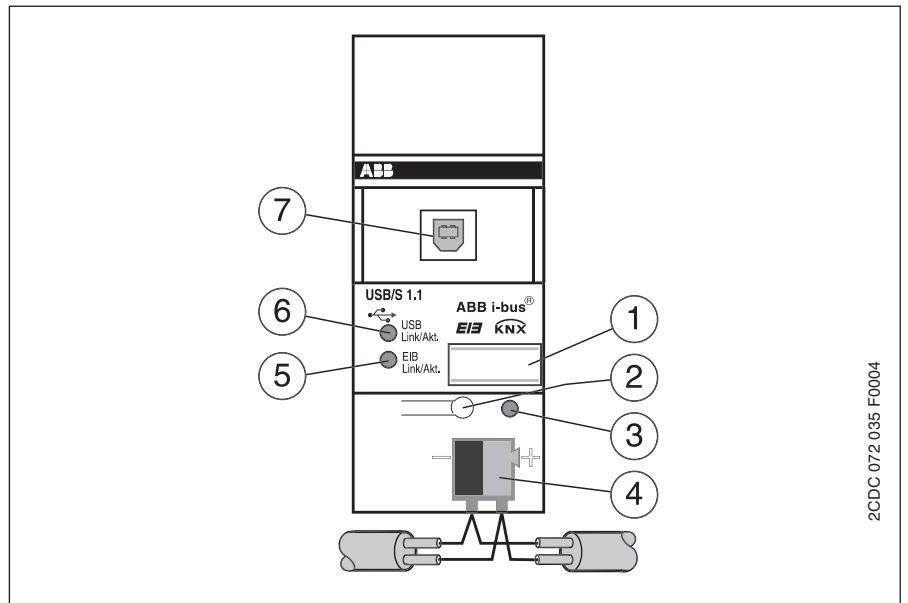
Application programs	Number of communication objects	Max. number of group addresses	Max. number of associations
USB Interface /1	0	0	0

Dimension drawing



2CDC 072 033 F0004

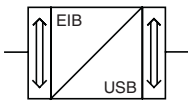
Circuit diagram



2CDC 072 035 F0004

- 1 Label carrier
- 2 Programming button
- 3 Programming LED
- 4 Bus connecting terminal
- 5 EIB LED
- 6 USB LED
- 7 USB socket

USB Interface /1



Selection in ETS2

- ABB
  - └ Communication
    - └ USB

Commissioning requirements

The USB interface USB/S 1.1 functions under the following operating systems: Microsoft Windows 98, NT, 2000, ME, XP-Professional and XP-Home.

With Microsoft Windows 98, it should be noted when the USB interface is connected that the file HIDDEV.INF must be installed in the directory Windows/INF with the hardware assistant of Microsoft Windows.

The interface is fully functional on an active hub with an external power supply. It does not function on a passive hub without an external power supply as the device is supplied both from the USB and the ABB i-bus®.

After booting up the PC and starting the ETS 3 program, the USB interface is first connected to the ABB i-bus® and then to the USB.

Application description

**No** application program is required for the operation of the USB/S 1.1.

For documentation purposes, ETS 3 contains a dummy application. This application can be imported as usual in ETS 3. A note appears on the first parameter page stating that it is only a dummy application.

There are no parameters or communication objects.

The physical address can be set both locally and via the ABB i-bus®.

Display

The EIB LED lights up as soon as the ABB i-bus® device is connected and ready for operation. It flashes as soon as telegram traffic takes place on the ABB i-bus®.

The USB LED lights up as soon as the ABB i-bus® and USB device are connected and ready for operation. It flashes as soon as telegram traffic takes place between the USB and ABB i-bus®.

