

# K-BUS

## Technical Sheet For EIB/KNX RS232 Interface

BNRS-00/00.1

The worldwide STANDARD for home and building control

### CHARACTERISTICS

The KNX RS232 Interface is designed for an intelligent building control system, which is used for facilitating communication between the PC and the KNX system.

The KNX RS232 Interface connects a PC to an EIB/KNX system via a 9-pole D-SUB plug at the front and a standard RS232 connection cable, in order to configure, parameterize and commission the EIB/KNX installation as well as bus monitor using the ETS software. The maximum communication distance is 15m between the PC and the communication interface.

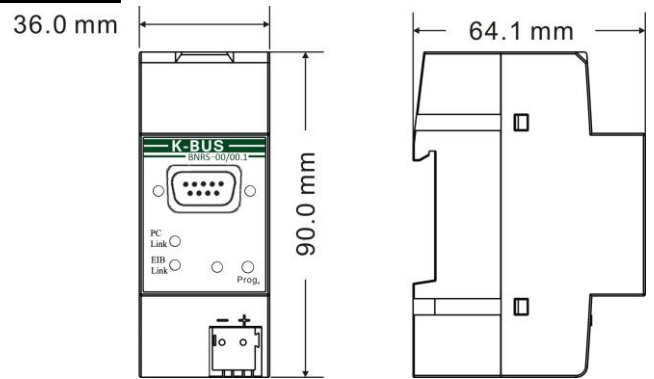
The KNX RS232 Interface has not an application program, but it is able to use the Engineering Tool Software ETS (ETS3 or later) to allocate the physical address. The factory default physical addresses are 15.15.255.

### PARAMETERS

<b>Power</b>	Operation voltage	21~30V DC, via the EIB bus
	Current consumption	<12mA
	Power consumption	<360mW
<b>Interface</b>	RS 232	
<b>Connections</b>	EIB / KNX	Bus connecting terminal
		Single-core 0.2—6.0mm <sup>2</sup>
		Multi-core 0.2—4mm <sup>2</sup>
	PC-connection	9-pole D-SUB plug, socket connector
		A standard RS232 connection cable

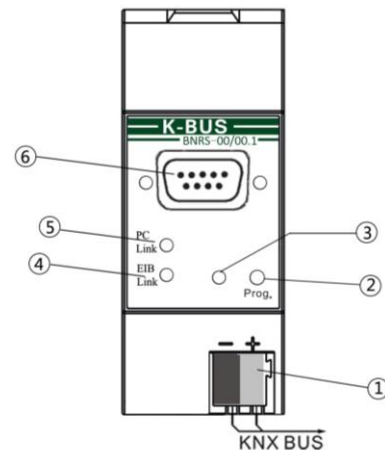
<b>Operating and display</b>	Prog. LED and button	For assignment of the physical address
	LED PC/link ON	ETS(or other) is linked to the device
	LED PC/link flashing	Communication via the interface
	LED EIB/link ON	The device is linked to the EIB bus
	LED EIB/link flashing	Telegram traffic on the bus
<b>Temperature</b>	Operation	- 5 °C ... + 45 °C
	Storage	-25 °C ... + 55 °C
	Transport	- 25 °C ... + 70 °C
<b>Ambient</b>	Humidity	<93%, except dewing
<b>Design</b>	Modular installation device, on 35 mm DIN rail	

### DIMENSIONS



Model	Dimension	Weight
BNRS-00/00.1	90×36×64mm	0.1kg

### DESCRIPTIONS



- ① KNX / EIB bus connection terminals
- ② Programming button
- ③ Red LED for assigning the physical address
- ④ The LED indicate that the device connect with EIB bus, the LED flashing indicate telegram traffic on the bus
- ⑤ The LED indicate that the device connect with ETS or center control software etc., the LED flashing indicate communication via the interface between PC and the device
- ⑥ RS232 serial ports connection terminals

### INSTALLATION FIGURE

The devices are suitable for installation on the distribution boards with 35mm mounting rail which complies with DIN EN 60715 or a small box in order to facilitate quick installation of the device. Must ensure that the device operation, testing, detecting, maintenance correctly.

### IMPORTANT INFORMATION

Installation and commissioning of the device may only be carried out by trained electricians. The relevant standards, directives, regulations and instructions must be observed when planning and implementing the electrical installation.

- Protect the device against moisture, dirt and damage during transport, storage and operation!
- Do not operate the device outside the specified technical data (e.g. temperature range)!
- The device should only be operated in closed enclosures (e.g. distribution boards).

Should the device become soiled, it may be cleaned with a dry cloth. If this does not suffice, a cloth lightly moistened with soap solution may be used. On no account should caustic agents or solvents be used.