K-BUS

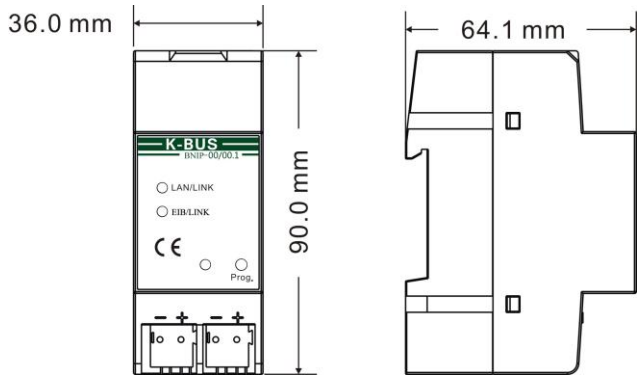
Technical Sheet
For EIB/KNX IP Interface

BNIP-00/00.1

CE

The worldwide STANDARD for home and building control

DIMENSIONS

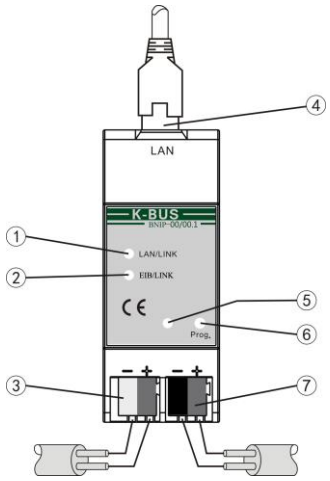


Model	Dimension	Weight
BNIP-00/00.1	90 x 36 x 64 mm	0.1kg

CHARACTERISTICS

- Serves as a communication interface between KNX installations and IP networks
- For configure, parameterize and commission the EIB/KNX installation as well as bus monitor via the LAN using the ETS (ETS3 or later) software
- The IP address of the device can be fixed or can be received from a DHCP server
- Support the UDP telegram, and the port number 3671
- The factory default physical addresses are 15.15.255, and the address can be modified directly via local interface settings of ETS

DESCRIPTIONS



① LAN/LINK ON, indicate that network connect normally. LAN/LINK flashing, indicate that telegram traffic between device and network
② EIB/LINK ON, indicate that KNX bus connect normally. EIB/LINK flashing, indicate that telegram traffic between EIB bus and device
③ Auxiliary power supply connection
④ LAN connection
⑤ Programming LED, LED red light up for assignment of physical address, LED green flashes for indicator of the device running normally
⑥ Programming button
⑦ EIB /KNX bus connection

PARAMETERS

Power supply	Operation voltage	21-30V DC，via the EIB bus
	Current consumption, EIB	<12mA
	Power consumption, EIB	<360mW
	Auxiliary power supply	20~30 V DC
	Auxiliary power consumption	<2.5W
Connections	EIB / KNX	Via bus connecting terminal (black/red)
	Auxiliary power	Via bus connecting terminal (grey/yellow)
	LAN	RJ45 socket for10/100Base-T
Operation and display	red LED and button	For assigning the physical address
	green LED flashing	The device running indicator
	LAN/LINK LED ON	Network connection indicator
	LAN/LINK LED flashing	Network telegram traffic indicator
	EIB/LINK LED ON	Bus connection indicator
	EIB/LINK LED flashing	Bus telegram traffic indicator
Temperature	operation	–5 °C ... + 45 °C
	storage	–25 °C ... + 55 °C
	transportation	– 25 °C ... + 70 °C
Ambient	Humidity	<93%, except dewing
Design	Standard 35mm DIN rail installation	

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 may 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.

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