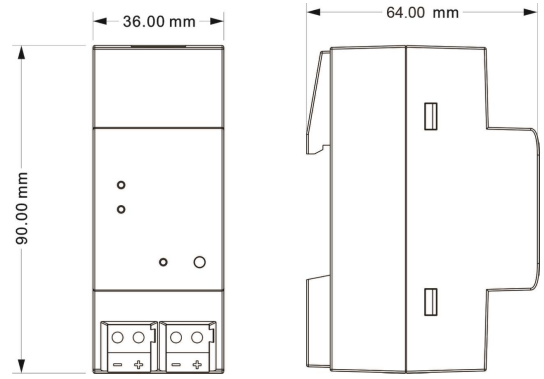# K-BUS®

Technical Sheet for
KNX IP Interface with Secure

BNIP-00/00.S

CE KNX

The worldwide STANDARD for home and building control

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

CHARACTERISTICS

● Serves as a communication interface between KNX installations and IP networks

● For configure, parameterize and commission the KNX installation as well as group monitoring via the LAN using the ETS (ETS5 or later) software

● The IP address of the device can be fixed or obtained automatically via DHCP

● Support the UDP/TCP telegram, and the port number 3671

● Support upgrade the device via the network

● Supports the KNX Secure protocol (KNXnet/IP Security).

● Support 5 clients

● The factory default physical address: 15.15.254

● The factory default IP address : 192.168.2.200, subnet mask: 255.255.255.0, default gateway: 192.168.2.1
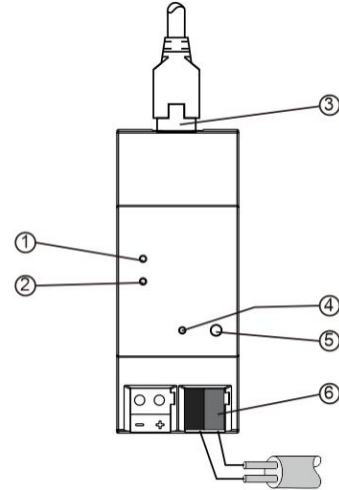
PARAMETERS

Power supply	Operation voltage	21-30V DC，via the KNX bus
	Bus current	<19.5mA, 24V
		<15.5mA, 30V
	Bus consumption	<470mW
Connections	KNX	Bus connecting terminal (red/black)
	LAN	RJ45 socket for10/100Base-T
Operation and display	Red LED and button	For assigning the physical address
	LAN LED ON	Network connection indicator
	LAN LED flashing	Network telegram traffic indicator
	KNX LED ON	Bus connection indicator
	KNX 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	

DIMENSIONS

DESCRIPTIONS

① LAN LED ON, indicate that network connect normally

LAN LED flashing, indicate that telegram traffic between device and network

② KNX LED ON, indicate that KNX bus connect normally

KNX LED flashing, indicate that telegram traffic between KNX bus and device

③ LAN connection

④ Programming LED, red LED ON for assignment of physical address

⑤ Programming button, to enter or exit the physical address programming mode

Reset the device to the factory configuration: press the programming button and hold for 4 seconds then release, repeat the operation for 4 times, and the interval between each operation is less than 3 seconds

⑥ KNX bus connection terminal

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.