The IP Interface 2.1 is a modular installation device (MDRC) and forms the interface between KNX installations and IP networks. It utilises the local network (LAN) for fast exchange of telegrams.

KNX devices can be programmed via the LAN using ETS 3.0. The device uses the KNXnet/IP protocol from the KNX Association (Tunnelling).

The IP address can be fixed or can be received from a DHCP server. The power supply range is from 10 to 30 V DC.

Technical data

### Supply
- **Supply voltage** $U_s$ 10…30 V DC via plug-in terminal
- **Power consumption** Maximum 1.9 W at 10 V
- **Current consumption** Maximum 190 mA at 10 V
- **Leakage loss** Maximum 1.9 W at 10 V
- **Rated voltage** $U_n$ 12 V DC
- **Rated current** $I_n$ 145 mA at 12 V
- **Current consumption KNX** 1.9 W at 10 V

### Connections
- **KNX** Bus connection terminal
- **LAN** Plug-in terminal
- **Plug-in terminal for operating voltage** Plug-in terminal
- **RJ45 socket for 10/100BaseT, IEEE 802.3 networks, AutoSensing**

### Operating and display elements
- **LED red and button** For assignment of the physical address
- **LED green** Operating mode display
- **LED yellow** Network connection indicator
- **KNX telegram traffic indicator**

### Enclosure
- **IP 20** to DIN EN 60529

### Safety class
- **II** to DIN EN 61140

### Isolation category
- **Overvoltage category** III to DIN EN 60664-1
- **Pollution degree** 2 to DIN EN 60664-1

### KNX safety extra low voltage
- **SELV 24 V DC**

### Temperature range
- **Operation** 0 °C…+45 °C
- **Storage** -25 °C…+55 °C
- **Transport** -25 °C…+70 °C

### Ambient conditions
- **Maximum air humidity** 93 %, no condensation allowed

### Design
- **Modular installation device (MDRC)** Modular installation device, ProM
- **Dimensions** 90 x 36 x 64 mm (H x W x D)
- **Mounting width** 2 modules at 18 mm
- **Mounting depth** 68 mm

### Installation
- **On 35 mm mounting rail** to DIN EN 60 715
Note

For a detailed description of the application program see “IP Interface IPS/S 2.1” product manual. It is available free-of-charge at www.ABB.de KNX.

The programming requires EIB Software Tool ETS3 V3.0e or higher.

If ETS3 is used a *.VD3 or higher type file must be imported. The application program is available in the ETS3 at ABB/System devices/Interfaces.

The device does not support the closing function of a project or the KNX device in the ETS. If you inhibit access to all devices of the project with a BCU code (ETS3), it has no effect on this device. Data can still be read and programmed.
Circuit diagram

1 LED ON
2 LED LAN/LINK
3 LED telegram
4 Supply voltage connection
5 KNX connection
6 Programming LED
7 Programming button
8 Label carrier
9 LAN connection

Dimension drawing