



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

<b>Supply</b>	Supply voltage $U_s$	10...30 V DC via plug-in terminal Ripple: < 5 %
	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	From KNX < 10 mA
<b>Connections</b>	KNX	Bus connection terminal
	Plug-in terminal for operating voltage	Plug-in terminal
	LAN	RJ45 socket for 10/100BaseT, IEEE 802.3 networks, AutoSensing
<b>Operating and display elements</b>	LED red and button	For assignment of the physical address
	LED green	Operating mode display
	LED yellow	Network connection indicator
		KNX telegram traffic indicator
<b>Enclosure</b>	IP 20	to DIN EN 60529
<b>Safety class</b>	II	to DIN EN 61140
<b>Isolation category</b>	Overvoltage category	III to DIN EN 60664-1
	Pollution degree	2 to DIN EN 60664-1
<b>KNX safety extra low voltage</b>	SELV 24 V DC	
<b>Temperature range</b>	Operation	0 °C...+45 °C
	Storage	-25 °C...+55 °C
	Transport	-25 °C...+70 °C
<b>Ambient conditions</b>	Maximum air humidity	93 %, no condensation allowed
<b>Design</b>	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
<b>Installation</b>	On 35 mm mounting rail	to DIN EN 60 715

Mounting position	as required
Weight	0.100 kg
Housing, colour	Plastic housing, grey
Approvals	KNX to EN 50 090-1, -2
CE mark	in accordance with the EMC guideline and low voltage guideline

Application program	Maximum number of communication objects	Maximum number of group addresses	Maximum number of associations
IP Interface	0	0	0

**Note**

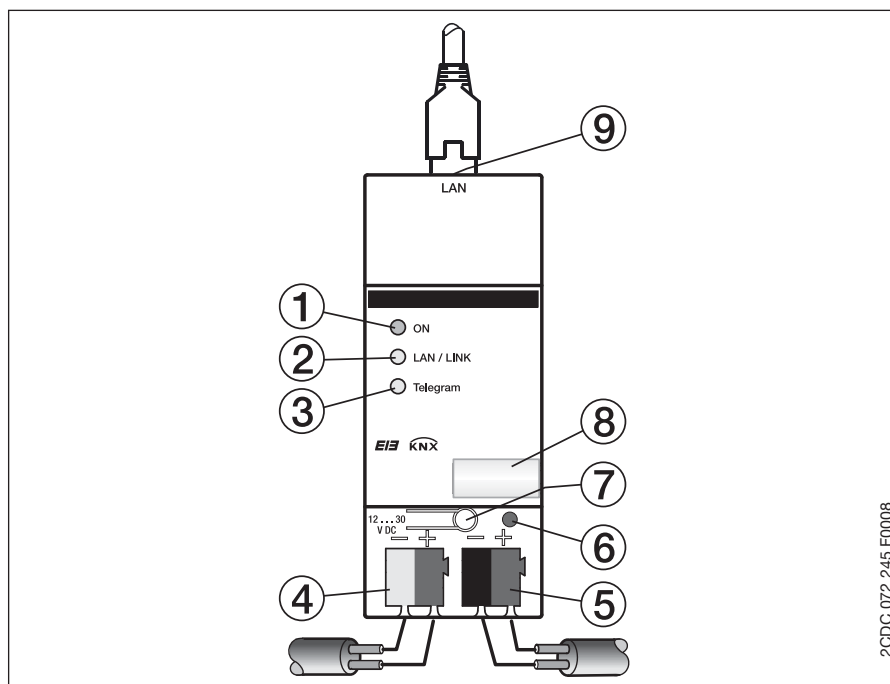
For a detailed description of the application program see “IP Interface IPS/S 2.1” product manual. It is available free-of-charge at [www.ABB.de/KNX](http://www.ABB.de/KNX).

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.

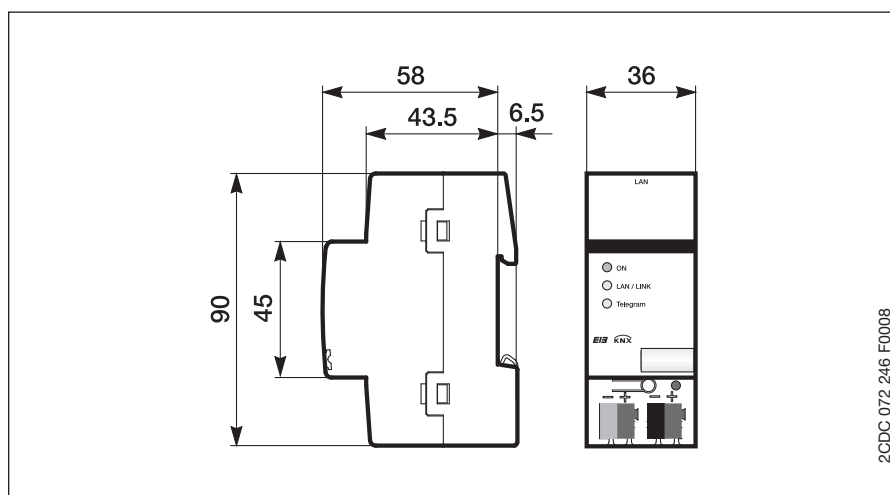
## Circuit diagram



- 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



This image shows a full page of blank graph paper. The grid consists of small, uniform squares formed by thin, light gray lines. There are no margins, text, or other markings on the page.