



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

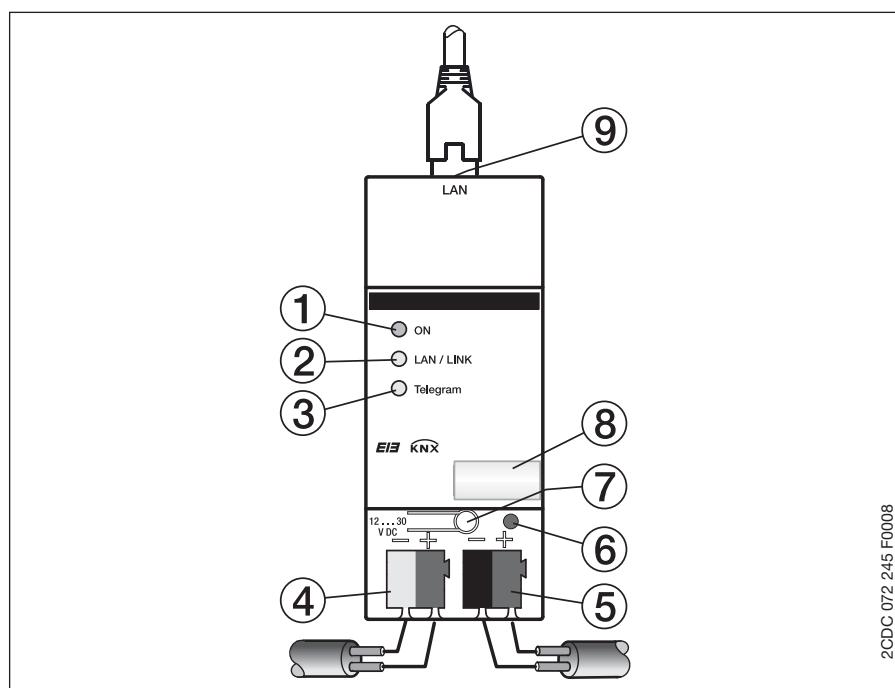
Supply	Supply voltage U_s Power consumption Current consumption Leakage loss Rated voltage U_n Rated current I_n Current consumption KNX	10...30 V DC via plug-in terminal Ripple: < 5 % Maximum 1.9 W at 10 V Maximum 190 mA at 10 V Maximum 1.9 W at 10 V 12 V DC 145 mA at 12 V From KNX < 10 mA
Connections	KNX Plug-in terminal for operating voltage LAN	Bus connection terminal Plug-in terminal RJ45 socket for 10/100BaseT, IEEE 802.3 networks, AutoSensing
Operating and display elements	LED red and button LED green LED yellow	For assignment of the physical address Operating mode display 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 Pollution degree	III to DIN EN 60664-1 2 to DIN EN 60664-1
KNX safety extra low voltage	SELV 24 V DC	
Temperature range	Operation Storage Transport	0 °C...+45 °C -25 °C...+55 °C -25 °C...+70 °C
Ambient conditions	Maximum air humidity	93 %, no condensation allowed
Design	Modular installation device (MDRC) Dimensions Mounting width Mounting depth	Modular installation device, ProM 90 x 36 x 64 mm (H x W x D) 2 modules at 18 mm 68 mm
Installation	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 .
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 <i>BCU code</i> (ETS3), it has no effect on this device. Data can still be read and programmed.

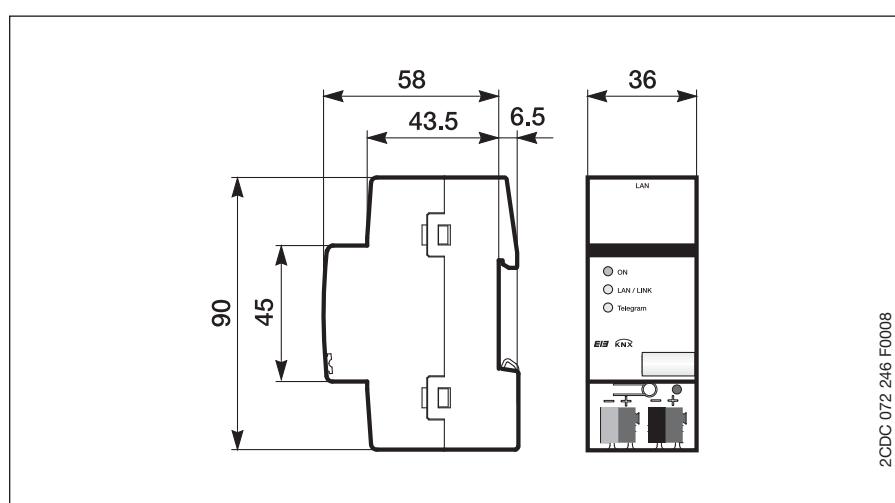
Circuit diagram



2CDC 072 245 F0008

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

Dimension drawing



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