

# ABB i-bus® KNX IP Interface, MDRC IPS/S 3.1.1, 2CDG110177R0011



## Product description

IP Interface 3.1.1 is the interface between KNX installations and IP networks.

KNX devices can be programmed via LAN using ETS, and clients, e.g. visual display systems, can access the KNX bus via the IPS/S 3.1.1 (five tunneling servers are available from ETS4).

The device uses the KNXnet/IP protocol from the KNX Association (tunneling).

The device is powered by 12 to 30 V DC or PoE (Power over Ethernet).

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## IP Interface, MDRC

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#### Technical data

<b>Supply</b>	Auxiliary voltage $U_s$	12...30 V DC (+10 % / -15 %) or PoE (IEEE 802.3af class 1)
	Power dissipation	Maximum 1.8 W
	Auxiliary voltage current consumption	Maximum 120 mA at 12 V
	Rated voltage $U_n$	12 V DC
	Current consumption 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>	Red LED and button	For assignment of the physical address
	Green "On" LED	Operation readiness indicator
	Yellow "LAN/Link" LED	Network connection indicator
	Yellow "Telegram" LED	KNX telegram traffic indicator
<b>Protection degree</b>	IP 20	To DIN EN 60 529
<b>Protection class</b>	II	To DIN EN 61 140
<b>Isolation category</b>	Overvoltage category	III according to DIN EN 60 664-1
	Pollution degree	2 according to DIN EN 60 664-1
<b>KNX safety extra low voltage</b>	SELV 30VDC	
<b>Temperature range</b>	Operation	-5...+45 °C
	Storage	-25...+55 °C
	Transport	-25...+70 °C
<b>Ambient conditions</b>	Maximum air humidity	95 %, no condensation allowed
	Atmospheric pressure	Atmosphere up to 2,000 m
<b>Design</b>	Modular installation device (MDRC)	Modular installation device, ProM
	Overall dimensions	90 x 36 x 64 mm (H x W x D)
	Mounting width	2x 18 mm modules
	Mounting depth	68 mm
<b>Installation</b>	On 35 mm mounting rail	To DIN EN 60 715
<b>Mounting position</b>	Any	
<b>Weight</b>	0.1 kg	
<b>Housing, color</b>	Plastic, halogen free, gray	
<b>Approvals</b>	KNX to EN 50 090-1, -2	
<b>CE mark</b>	In accordance with the EMC directive and low voltage directive	

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Device type	Application	Maximum number of communication objects	Maximum number of group addresses	Maximum number of assignments
IPS/S 3.1.1	IP Interface/...*	0	0	0

\* ... = Current version number of the application. **Please refer to the software information on our website for this purpose.**

#### Note

For a detailed description of the application see „*IP Interface IPS/S 3.1.1*“ product manual. It is available free-of-charge at [www.abb.com/knx](http://www.abb.com/knx).

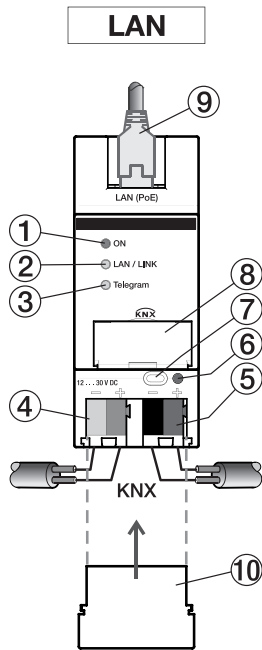
ETS and the current version of the device application are required for programming.

The current application can be found with the corresponding software information for download on the Internet at [www.abb.com/knx](http://www.abb.com/knx). After import into ETS, it appears in the *Catalogs* window under *Manufacturers/ABB/System components/Interfaces*.

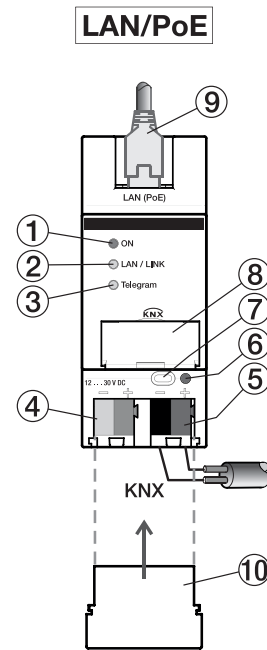
The device does not support the locking function of a KNX device in ETS. If you use a *BCU code* to inhibit access to all the project devices, it has no effect on this device. Data can still be read and programmed.

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## Connection schematics



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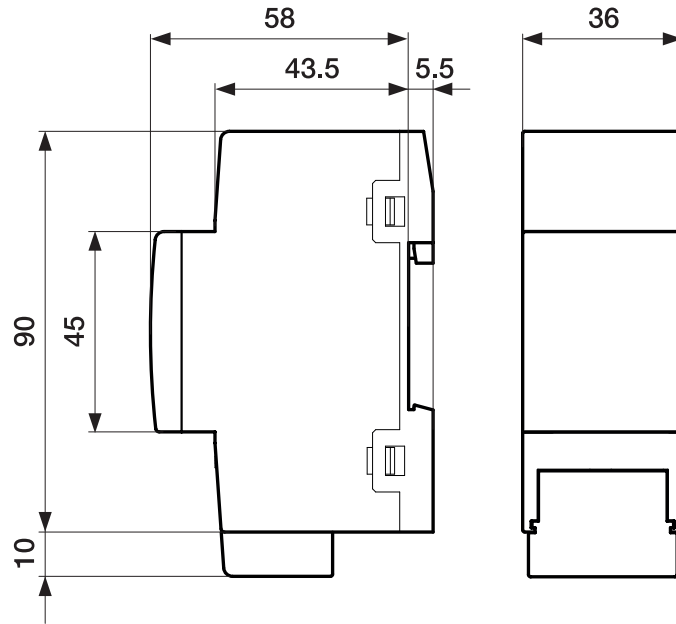


2CDC072010F0015

- 1 ON LED
- 2 LAN/LINK LED
- 3 Telegram LED
- 4 Power supply connection
- 5 KNX connection
- 6 Programming LED
- 7 Programming button
- 8 Label carrier
- 9 LAN or LAN/PoE connection
- 10 Cover cap

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Dimension drawing



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# Contact

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**[www.abb.com/knx](http://www.abb.com/knx)**

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