TECHNICAL DATA

ABB i-bus® KNX
IPS/S 3.5.1
IP Interface Secure

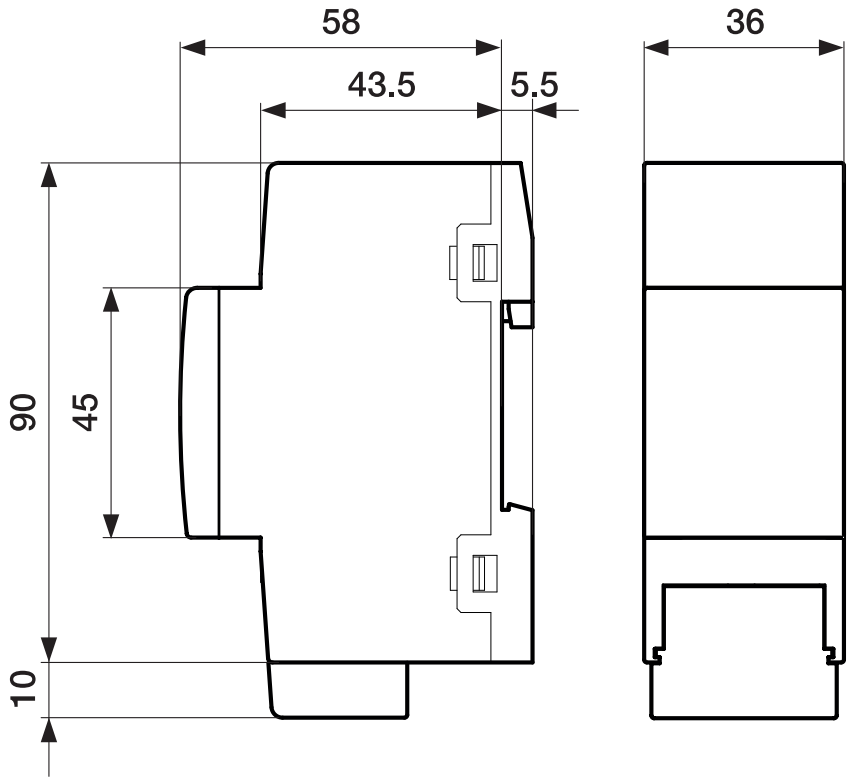
Description of product
The ABB i-bus® IP Interface Secure IPS/S 3.5.1 connects the KNX bus to an Ethernet network. KNX telegrams can be sent to or received from other devices via the network.

The Interface can be used as a programming interface (ETS), and clients, e.g. Visualisations, can access the KNX bus via the IPS/S 3.5.1.

The device uses the KNXnet/IP protocol and the KNXnet/IP Security protocol from the KNX Association (tunneling) for communication.

The device is powered by 12 to 30 V DC or PoE (Power over Ethernet) to IEEE 802.3af class 1. If both options are connected simultaneously, PoE will be used.

Dimension drawing



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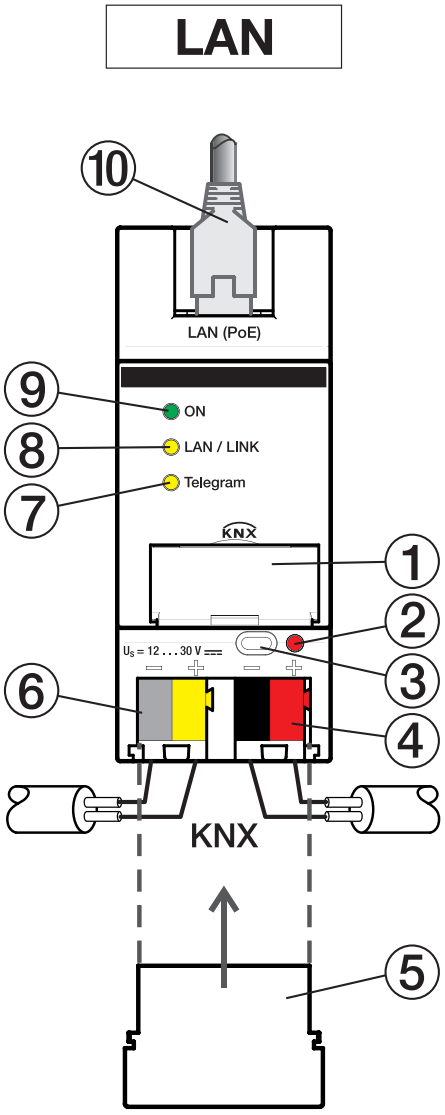
Connection



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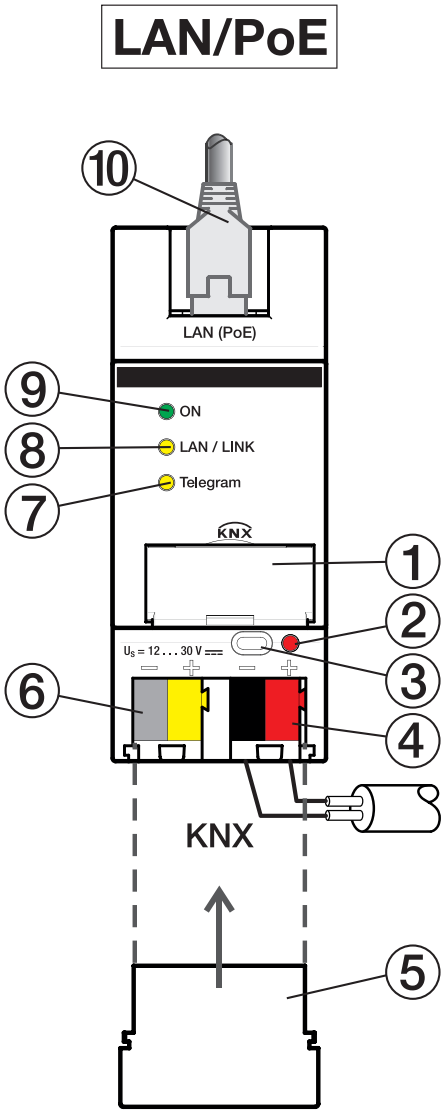

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LEGEND

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

NOTE

It is also possible to power the Interface via the voltage output without choke of an ABB KNX power supply (type SV/S).

This reduces the number of KNX devices that can be connected to the ABB KNX power supply accordingly.

Technical data		
Supply	Supply voltage U_s	12…30 V DC (+10% / -15%) or PoE (IEEE 802.3af class 1)
	Power loss	Maximum 1.8 W
	Current consumption, supply voltage	Maximum 120 mA at 12 V
	Rated voltage U_n	12 V DC
	KNX current consumption	< 10 mA
Connections	KNX	Bus connection terminal
	Operating voltage	Plug-in terminal
	LAN	RJ45 socket for 10/100BaseT, IEEE 802.3 networks, AutoSensing
Operating and display elements	Red LED and button	Assignment of the physical address
	Green “On” LED	Ready indicator
	Yellow “LAN/Link” LED	Network connection indicator
	Yellow “Telegram” LED	KNX telegram traffic indicator
Degree of protection	IP 20	To EN 60 529
Protection class	II	To EN 61 140
Isolation category	Overvoltage category	III to EN 60 664-1
	Pollution degree	2 to EN 60 664-1
KNX safety extra low voltage	SELV 30 V DC	
Temperature range	Operation	-5 °C…+45 °C
	Storage	-25 °C…+55 °C
	Transport	-25 °C…+70 °C
Ambient conditions	Maximum air humidity	95%, no condensation allowed
	Atmospheric pressure	Atmosphere up to 2,000 m
Design	Modular installation device (MDRC)	Modular installation device, pro M
	Dimensions	90 x 36 x 63.5 mm (H x W x D)
	Mounting width	2x 18 mm modules
Mounting	On 35 mm mounting rail	To EN 60 715
Mounting position	Any	
Weight	0.1 kg	
Housing, color	Plastic, halogen free, gray	
Approvals	KNX to EN 50491 and EN 60 669-2-5	
CE marking	In accordance with the EMC and Low Voltage Directives	

Software				
Device type	**Application**	**Maximum number of group objects**	**Maximum number of group addresses**	**Maximum number of assignments**
IPS/S 3.5.1	IP Interface Secure/...*	0	0	0

* ... = Current version number of the application. **Please refer to the software information on our homepage.**

Ordering details					
Device type	**Product Name**	**Order No.**	**bbn 40 16779 EAN**	**Weight 1 pc. [kg]**	**Packaging [pcs.]**
IPS/S 3.5.1	IP Interface Secure, MDRC	2CDG110204R0011	01641 4	0.1	1

NOTE

Please refer to the IPS/S 3.5.1 IP Interface Secure product manual for a detailed description of the application. It is available free of charge at www.abb.com/knx.

ETS (ETS 5 version 5.7.4 or higher) and the current version of the device application are required for programming.

If the device is to be operated in KNX Secure mode, the commissioning key (FDSK) on the side of the unit will be required as well.

The latest version of the application and corresponding software information are available for download from www.abb.com/knx. After import into ETS, the application is stored in the Catalogs window under Manufacturers/ABB/System Infrastructure and Interfacing/IP Routers and Interfaces.

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

Exception: When KNX Secure mode is activated, the device can be programmed only using the existing project.

ABB STOTZ-KONTAKT GmbH
Eppelheimer Straße 82
69123 Heidelberg, Germany
Telefon: +49 (0)6221 701 607
Telefax: +49 (0)6221 701 724
E-Mail: knx.marketing@de.abb.com

Further Information and Local Contacts:
www.abb.com/knx

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