

ABB i-bus® KNX

Meter Interface Module, MDRC

ZS/S 1.1, 2CDG 110 083 R0011



2CDC 071 153 F0007

The Meter Interface Module ZS/S enables remote reading of meter data and meter values from ABB energy meters from the A-series, DELTAplus, DELTAsingle, ODIN and ODINsingle.

The information that is read can be used, for example, for cost-center accounting, energy optimization, visualization or monitoring of installations. Furthermore, meter functions such as tariff switching, for example, can be controlled via KNX, depending on the meter type used.

The Meter Interface Module is a modular installation device (MDRC) in Pro M design. It is designed for installation in a distribution board on 35 mm mounting rails. The connection to the ABB i-bus® KNX is established via the bus connection terminal.

Technical data

Power supply	Bus voltage	21...31 V DC, via the bus
	Current consumption KNX	Maximum 0.25 W
	Leakage loss	Maximum 12 mA
Operating and display elements	LED red and programming button	For assignment of the physical address and checking the bus connection
	Error LED (red)	On: No IR communication Flashing: Connected meter does not comply with parameterization
	2 LEDs input/output telegram (yellow)	Flashing: Telegram traffic IN/OUT
Connections	KNX	Via bus connection terminal 0.8 mm Ø, solid
Infrared interface	Compliant to IEC 61107	
Enclosure	IP 20	Complaint to EN 60 529
Protection class	II	Complaint to EN 61 140
Isolation category	Overvoltage category	III to DIN EN 60 664-1
	Pollution degree	2 to DIN EN 60 664-1
KNX safety extra low voltage	SELV 24 V DC	
Temperature ranges	Operation	-5 °C...+45 °C
	Storage	-25 °C...+55 °C
	Transport	-25 °C...+70 °C
Ambient conditions	Maximum air humidity	95 %, no condensation allowed
Design	Modular installation device (MDRC)	Modular installation device, Pro M
	Dimensions	90 x 36 x 64.5 mm (H x W x D)
	Mounting width in space units	2 modules at 18 mm
	Mounting depth	68 mm

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Installation	On 35 mm mounting rail	Complaint to EN 60 715
Mounting position	On mounting rail adjacent to energy meter	Observe the installation instructions!
Weight	Approx. 0.1 kg	
Housing, color	Plastic, gray	
Approvals	KNX	
CE mark	In accordance with EMC and low-voltage guidelines	

Device type	Application program	Maximum number of communication objects	Maximum number of group addresses	Maximum number of assignments
ZS/S 1.1	Meter data logging/...*	77	254	254

* ... = current version number of the application program. **Please observe the software information on our homepage for this purpose.**

Note

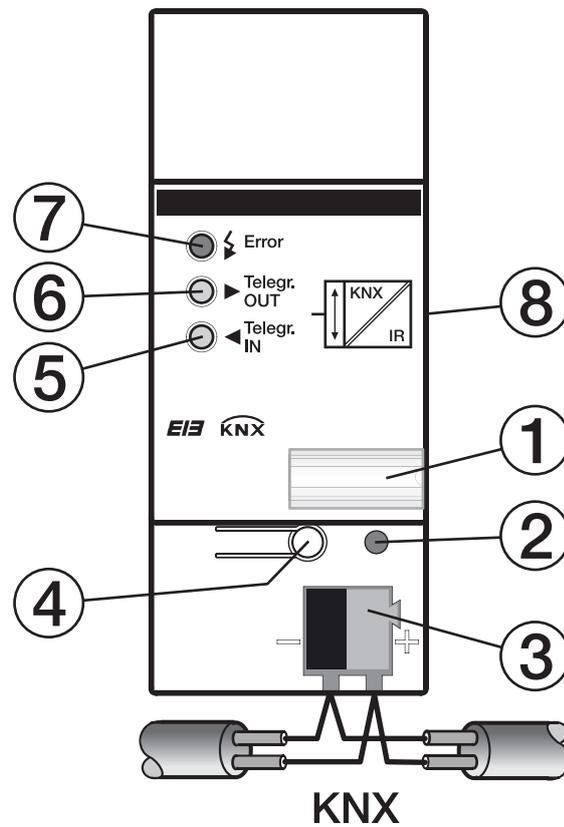
For a detailed description of the application program see “*Meter Interface Module ZS/S 1.1*” product manual. It is available free-of-charge at www.abb.com/knx. The ETS and the current version of the device application program are required for programming.

The programming requires Software Tool ETS2 V1.2a or higher. If ETS3 is used, a “.VD3” type file or higher must be imported. The application program is available in the ETS2/ETS3 at *ABB/Energy management*.

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 *BCU code*, it has no effect on this device. Data can still be read and programmed.

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Connection schematic

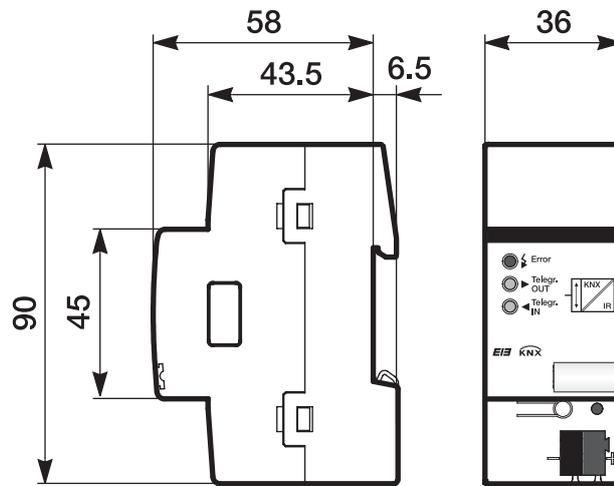


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- 1 Label carrier
- 2 Programming LED
- 3 Bus connection terminal
- 4 Programming key
- 5 Input telegram LED (yellow)
- 6 Output telegram LED (yellow)
- 7 Error LED (red)
- 8 Infrared interface (sidewise)

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Dimensional drawing



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