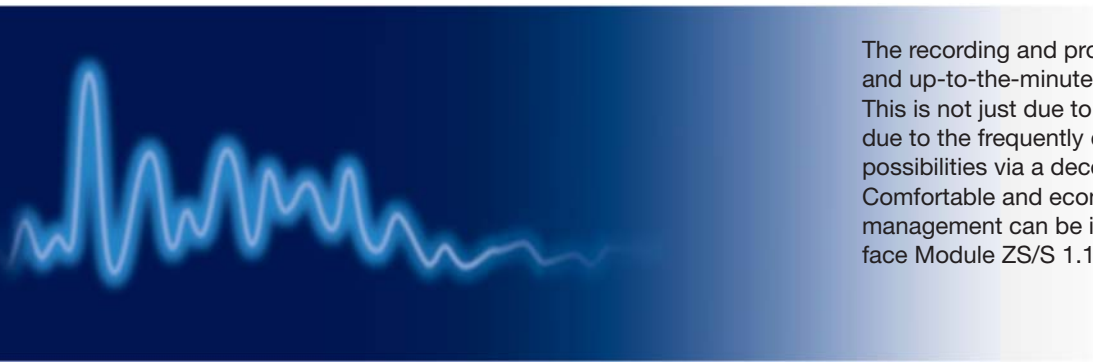


ABB i-bus® KNX Meter Interface Module ZS/S 1.1

Intelligent Installation Systems



Energy Measurement via KNX

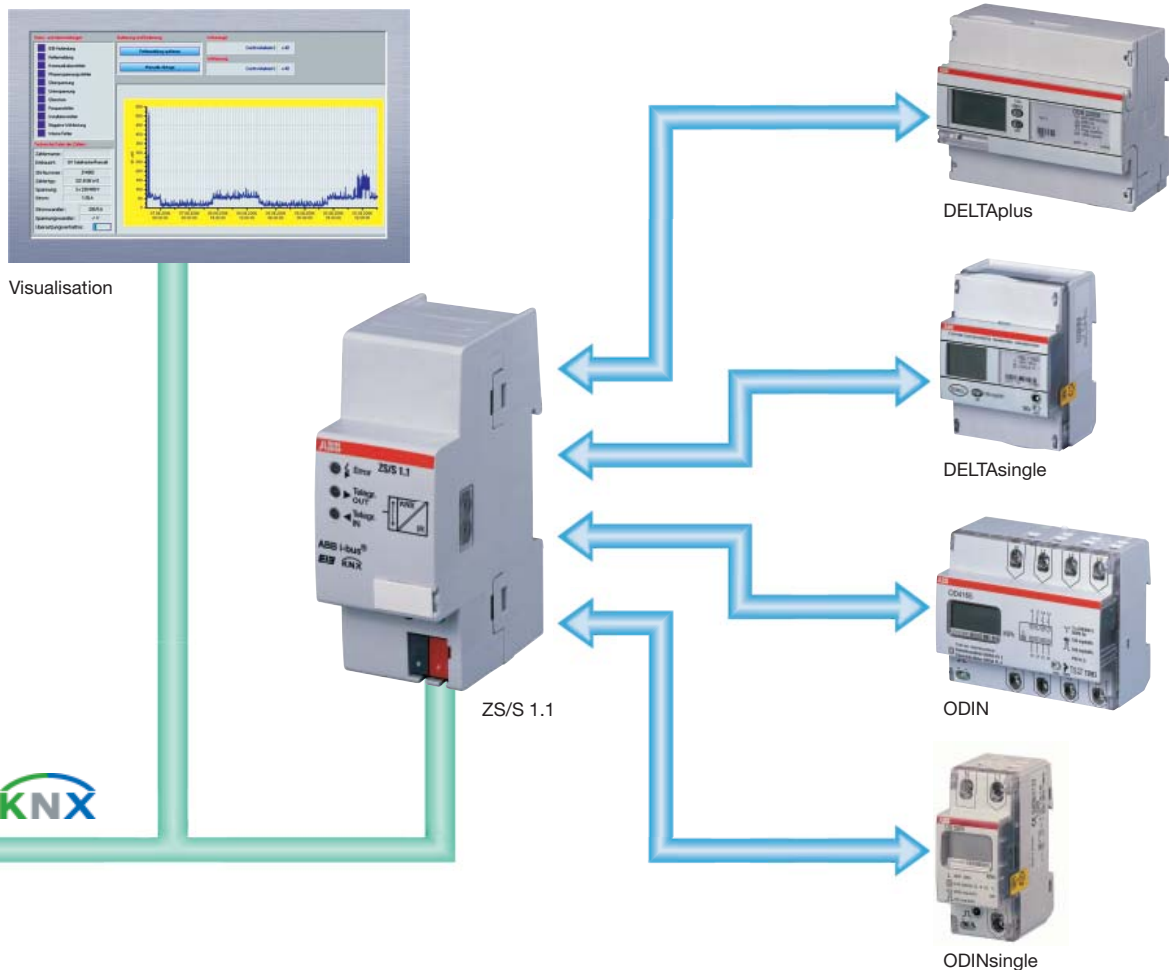


The recording and processing of energy meter readings and up-to-the-minute states is gaining in significance. This is not just due to the rising energy costs but also due to the frequently demanded evaluation and reading possibilities via a decentral reading station. Comfortable and economic solutions for modern energy management can be implemented with the Meter Interface Module ZS/S 1.1.

The Principle

Consumption and measured values of electrical energy meters are collected via the Meter Interface Module ZS/S 1.1 and transferred via the ABB i-bus®. The device features an infrared interface which is used to read the data from ABB energy meters such as DELTAplus, DELTAsingle, ODIN and ODINsingle.

The information and data which is read can be used for example for billing purposes, energy optimisation, visualisation or monitoring of installations.



Future-Proof Energy Management

The demands placed on energy management have increased particularly in commercial and industrial buildings as well as for residential properties.

The Meter Interface Module ZS/S 1.1 provides a comprehensive range of options especially for these applications.

The Benefits



- Simple and quick installation
- Energy meters of types DELTAplus, DELTAsingle, ODIN and ODINsingle can be read
- Automatic establishment of communication with monitoring
- Ideal for retrofitting
- Instrument values such as current and voltage can now be transferred

The Functions



The functions listed here are dependent on the meter type used:

Meter reading

Active energy	Tariffs 1-4, total
Reactive energy	Tariffs 1-4, total

Power Values

Active power	L1, L2, L3, total
Reactive power	L1, L2, L3, total
Apparent power	L1, L2, L3, total
Phase angle power	L1, L2, L3, total
Power factor	L1, L2, L3, total

Instrument values

Voltages	L1-N, L2-N, L3-N, L1-L2, L2-L3
Currents	L1, L2, L3
Phase angle voltage	L1, L2, L3, total
Phase angle current	L1, L2, L3, total
Quadrant	L1, L2, L3, total
Mains frequency	

Others

Transformer ratio	Read CT and VT
Power fail counter	Send and delete
Tariffs	Read and switch
Status information	Send and read
Communication monitoring	

Suitable Meter Types

The Meter Interface Module is suitable for the following meter types:



DELTAplus

- For active and reactive energy
- For 2-, 3- and 4-wire current networks of any rating
- PTB approval, sealable
- For direct connection up to 80 A
- Transformer rated (/1 A and /5 A) with transformer rated meter
- Multiple tariff meter (4 tariffs)
- Accuracy class 1 or 2
- Programmable transformation ratio
- Wiring check with "installation self-test"



DELTAsingle

- Directly connected meter for 2-wire networks up to 80 A
- Configuration with 2 and 4 tariffs available
- Optional internal clock for tariff switching



ODIN

- Devices for direct connection up to 65 A or /5 A transformer rated
- Adjustable transformation ratio



ODINsingle

- Directly connected meter for 2-wire networks up to 65 A
- Configuration with pulse output and resettable counter (also via KNX) available

Ordering Information



Type	Description	MW*	Order Code	bbn 40 16779 EAN	Unit weight 1 pc.
ZS/S 1.1	Meter Interface Module, MDRC	2	2CDG 110 083 R0011	66207 9	0.1

* MW = module width 18 mm

Information and ordering details for the energy meters can be found under
www.abb.se > Products & services > Modular DIN Rail Products > Electricity Meters.



The information in this leaflet is subject to change without further notice.

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