

TECHNICAL DATA

EQmatic

Energy Analyzer, M-Bus

QA/S 3.16.1 , 2CDG110226R0011,

QA/S 3.64.1, 2CDG110227R0011



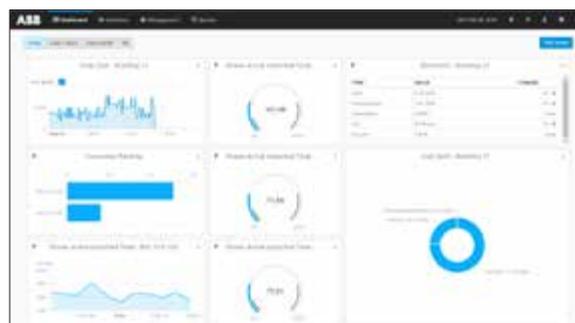
Description of product

Energy Analyzer, M-Bus QA/S 3.xx.1 are modular DIN Rail components (MDRC) Pro M design for installation in distribution boards on a 35 mm mounting rail.

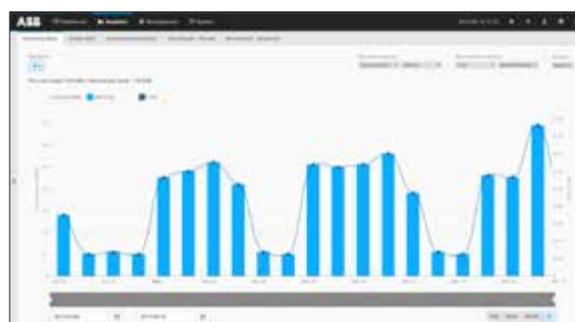
They are compact, web-based standalone devices for energy management applications in M-Bus networks. They log, store, display and analyze consumption data for up to 16 or 64 electricity, gas, water or heat meters. They automatically detect ABB A and B series meters during commissioning. They are accessed via web browser.

The user interface provides graphic analysis features such as

- Configurable dashboard
- Display and evaluation of historical data
- Analysis of instantaneous values
- Period comparison (before/after)
- Comparison of up to 5 consumers
- Cost/consumer display by consumer groups



Configurable Dashboard



Display and evaluation of historical data

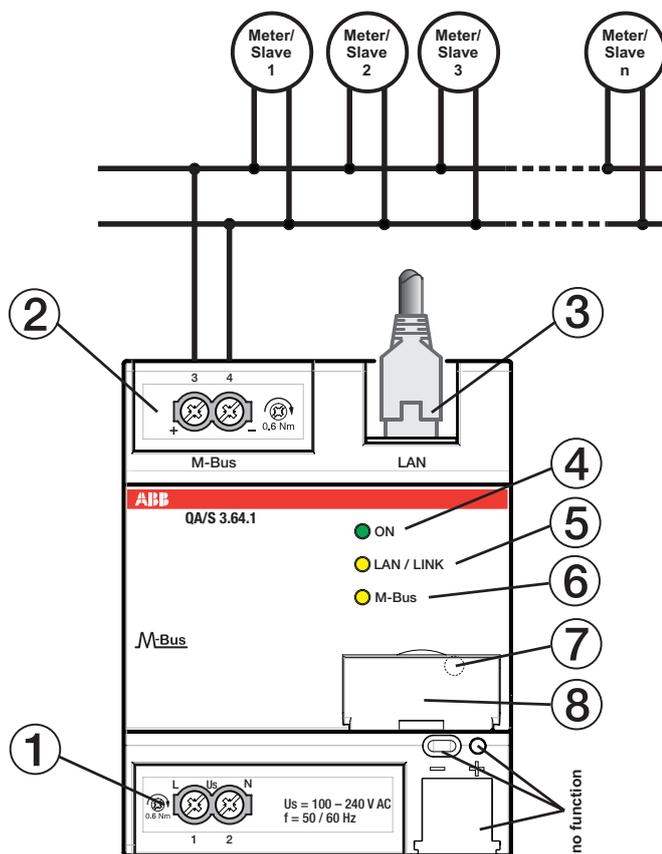
Technical data		
Energy Analyzer, M-Bus	M-Bus master	To EN 13757-2
	Max. number of M-Bus slaves	QA/S 3.16.1 QA/S 3.64.1
		16 64
Power supply	U _s operating voltage	100 – 240 V AC, 50/60 Hz
	Power consumption at 230 V AC	< 10 W
	Current consumption at 230 V AC	< 50 mA
	Device leakage loss at 230 V AC	< 3 W at 230 V AC
Web server/device features	Simultaneous access to web server	Up to 10 users
	Retrieval/storage of meter data	Every 5 minutes
	IP security	HTTPS
	Data export	JPG, PNG, CSV, XLSX, PDF
	Storage capacity with up to 64 M-Bus slaves	Min. 3 years
Network	Ethernet	10/100 Mb
Connections	Operating voltage and M-Bus	Screw terminal, universal head
		0.2...4 mm ² stranded
		0.2...6 mm ² solid core
	Tightening torque	Max. 0.6 Nm
	LAN	RJ45 connector for 10/100BaseT IEEE 802.3 networks, autosensing
Operating and display elements	ON LED (green)	Operation readiness indicator
	LAN/LINK LED (yellow)	Network connection/telegram transfer indicator
	M-Bus LED (yellow)	M-Bus operation readiness indicator
	Reset button	Behind label carrier
Protection degree	IP 20	Under EN 60529
Protection class	II	Under EN 61140
Isolation category	Overtoltage category	III under EN 60 664-1
	Pollution degree	2 under EN 60 664-1
Temperature range	Operation	-5...+45 °C
	Storage	-25...+55 °C
	Transport	-25...+70 °C
Environmental conditions	Humidity	Maximum 93 %, moisture condensation should be excluded
	Atmospheric pressure	Atmosphere up to 2,000 m
Design	Modular installation device (MDRC)	Pro M design
	Dimensions	90 x 72 x 64 mm (H x W x D)
	Installation width/installation depth	4 x 18 mm/68 mm modules
Installation	On 35 mm mounting rail	To EN 60 715
Mounting position	Any	
Weight	approx. 0.15 kg	
Housing, color	Light gray plastic	Halogen-free Flammability V-0 as per UL94
CE Mark	In accordance with the EMC directive and low voltage directive	

Software	
Device type	Max. number of M-Bus Slaves
QA/S 3.16.1	16
QA/S 3.64.1	64

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NOTE

Please refer to the QA/S 3.xx.1 Energy Analyzer, M-Bus product manual for a detailed description of the application. It is available free of charge at www.abb.com/knx.

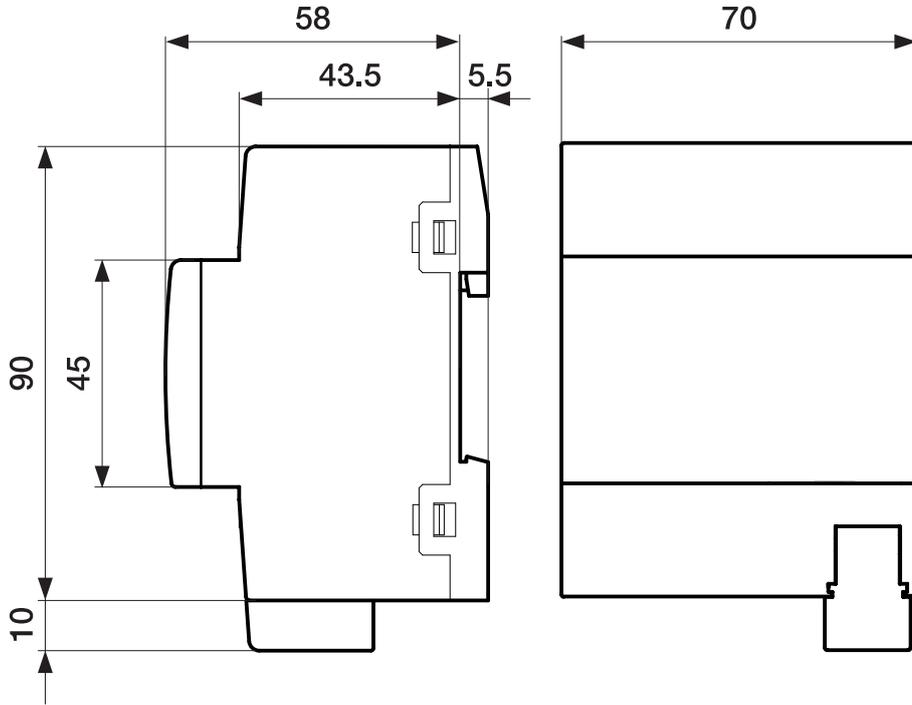
Connection



LEGEND

- 1 U_s Power supply connection
- 2 M-Bus slave/meter connection
- 3 Ethernet/LAN connection
- 4 ON LED (green)
- 5 LAN/LINK LED (yellow)
- 6 M-Bus LED (yellow)
- 7 Reset button (behind label carrier)
- 8 Label carrier

Dimension drawing



2CDC072033F0015



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