



ECM180D

1 Phase kWhmeter direct 80A 2M MBUS MID

Technical characteristics

Architecture

Bus system	M-BUS
Type of pole	1P+N

Electric current

Rated current	80 A
Maximum measuring circuit current	80 A

Capacity

Number of modules	2
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Connectivity

Type of connection	Direct connection
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Dimensions

Height	92 mm
Width	36 mm
Depth	60 mm

Main electrical attributes

Type of pulse generator	Optical
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Compatibility

Suitable for	Purchase/supply
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Connection

Cross-section of metering input	33 - 33 mm ²
Cross-section of metering output	33 - 33 mm ²
Connector/plug type Bus system	Bus connection terminal

Installation, mounting

Nominal tightening torque	2 - 2 Nm
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Mechanical features

Nominal tightening torque digital terminal	0.50 - 0.50 Nm
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Measurement

Measuring system	Direct measurement
Type of measuring instrument	Electronic
Current measurement range	0.25 - 80.0 A
Measurement range voltage Ph-N	92 - 276 V

Power supply

Number of phases for power supply	1
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Functions

Accuracy class	B
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Tariff type	T1...T2 (230V AC)/T1...T2 M-BUS
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Is calibrated	Yes
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Safety

Ingress Protection (IP) class	IP20
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Use conditions

Operating temperature	-25 - 55 °C
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Storage/transport temperature	-25 - 70 °C
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Power

Power consumption VA	2 VA
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Total power loss under IN	1 W
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