

ECR180D

**1 Phase kWhmeter direct 80A 2M MODBUS MID**

**Technical properties**

**Architecture**

Bus system	MODBUS
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
Connectivity type	ModBus RS-485 3 wires

**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 <sup>2</sup>
Cross-section of metering output	33 - 33 mm <sup>2</sup>
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
Frequency measuring range	45 - 65 Hz
<b>Power supply</b>	
Number of phases for power supply	1
<b>Functions</b>	
Accuracy class	B
Tariff type	T1...T2 (230V AC)/T1...T8 Modbus
Is calibrated	Yes
<b>Safety</b>	
Ingress Protection (IP) class	IP20
<b>Use conditions</b>	
Operating temperature	-25 - 55 °C
Storage/transport temperature	-25 - 70 °C
<b>Power</b>	
Power consumption VA	2 VA
Total power loss under IN	1 W