



ECR180D

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

#### Technical Features

##### Architecture

Bus system	MODBUS
Type of pole	1P+N

##### Electric current

Rated current	80 A
---------------	------

##### Capacity

Number of modules	2
-------------------	---

##### Connectivity

Type of connection	Direct connection
Connectivity type	ModBus RS-485 3 wires

##### Dimensions

Height	92 mm
Width	36 mm
Depth	60 mm

##### Equipment

Type of pulse generator	Optical
-------------------------	---------

##### Compatibility

Suitable for	Purchase/supply
--------------	-----------------

##### 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
Mounting on	DIN rail

##### Mechanical features

Nominal tightening torque digital terminal	0.50 - 0.50 Nm
--	----------------

##### 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

##### Power supply

Number of phases for power supply	1
-----------------------------------	---

##### Functions

Accuracy class	B
Tariff type	T1...T2 (230V AC)/T1...T8 Modbus
Is calibrated	Yes

##### Safety

Ingress Protection (IP) class	IP20
-------------------------------	------

##### Use conditions

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
<b>Electric current</b>	
Maximum measuring circuit current	80 A
<b>Frequency</b>	
Frequency	50 - 50 Hz
<b>Sustainability</b>	
REACH-SVHC free	Yes
RoHS conform	Yes