



ECR180T

1 Phase kWhmeter direct 3x80A 4M MODBUS

Technical Features

Architecture

Bus system	MODBUS
Type of pole	3x 1P+N

Electric current

Rated current	80 A
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Capacity

Number of modules	4
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Connectivity

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

Dimensions

Height	92 mm
Width	72 mm
Depth	60 mm

Equipment

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
Mounting on	DIN rail

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

Power supply

Number of phases for power supply	1
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Functions

Accuracy class	B
Tariff type	T1...T2 (230V AC)/T1...T4 Modbus
Is calibrated	Yes

Safety

Ingress Protection (IP) class	IP20
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Use conditions

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

Power	
Power consumption VA	2 VA
Total power loss under IN	1 W
Electric current	
Maximum measuring circuit current	80 A
Frequency	
Frequency	50 - 50 Hz
Sustainability	
Halogen free	Yes
REACH-SVHC free	Yes
RoHS conform	Yes