



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
---------------	------

**Capacity**

Number of modules	4
-------------------	---

**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
-------------------------	---------

**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...T4 Modbus
Is calibrated	Yes

**Safety**

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

**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
-----------	------------