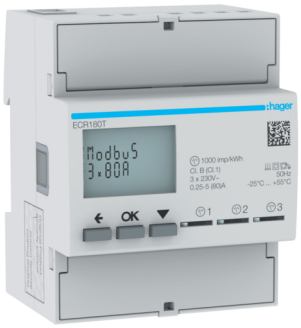

ECR180T

1 Phase kWhmeter direct 3x80A 4M MODBUS

Technical properties

Architecture

Bus system	MODBUS
Number of poles	2 P
Type of pole	3x 1P+N

Functions

Precision class	B
Tarif type	T1...T2 (230V AC) / T1...T4 Modbus

Configuration

Number of modules	4

Compatibility

Suitable for	Purchase / supply

Main electrical features

Rated operational voltage Ue	92 / 276 V
Type of supply voltage	AC
Frequency	50 Hz

Voltage

Max operating voltage	300 V
Rated impulse withstand voltage	6 kV

Electric current

Minimum operating current	0.015 A
Operating current	0.015 / 80 A
Rated current	80 A
Reference current	5 A
Max. measurement circuit current	80 A

Dimensions

Depth of installed product	60 mm
Height of installed product	92 mm
Width of installed product	72 mm

Power

Power consumed	2 VA
Total power loss under IN	1 W

Electrical specifications

Type of pulse generator	optical

Measurement

Frequency measuring range	45 to 65 Hz
Type of measuring instrument	electronical
Principle of measurement	Direct measurement

Power supply

Supply voltage	230 V ± 20%

Installation, mounting

Tightening torque	2Nm
Mounting type	din-Rail

Connection

Wire cross section of metering entrance wire	33 mm²
Wire cross section of metering outgoing wire	33 mm²

Equipment

Type of display	retro illuminated display
Tariff model of kilowatt-hour meter	Externa
Type of counter	three-point system

Standards

Standard text	IEC 62053-21 / 23 ; IEC 61557-12

Safety

Protection class	isol.class II
REACH conform	Yes
RoHS conform	Yes
Halogen free	Yes

Use conditions

Operating temperature	-25...55 °C
Degree of pollution according to IEC 60664 / IEC 60947-2	2
Altitude	2000 m
Storage/transport temperature	-25...70 °C