ECR300C

3 Phase kWhmeter via CT 1A or 5A 4M MODBUS MID

Technical properties

Architecture

Bus system	MODBUS
Number of poles	4 P
Type of pole	3P+N

Functions

Precision class	B
Tarif type	T1...T2 (230V AC) / T1...T8 Modbus

Configuration

Number of modules	4

Compatibility

Suitable for	Purchase / supply

Main electrical features

Rated operational voltage Ue	92 / 480 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	0.001 A
Operating current	0.001 / 6 A
Rated current	5 A
Reference current	1 A
Max. measurement circuit current	6 A

Dimensions

Depth of installed product	60 mm
Height of installed product	90 mm
Width of installed product	72 mm

Power

Power consumed	2 VA
Total power loss under IN	0.6 W

Electrical specifications

Type of pulse generator	optical

Measurement

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

Power supply

Supply voltage	400 V ± 20%

Installation, mounting

Tightening torque	0.5Nm
Mounting type	din-Rail

Settings

Transformer interpretation adjustable	1

Equipment

Type of display	retro illuminated display
Tariff model of kilowatt-hour meter	Externa
Type of counter	4 wires counter

Use

Transformation Ratio	50;5 ; 100;5 ; 200;5 ; 250;5 ; 300;5 ; 400;5 ; 600;5 ; 800;5 ; 1000;5 ; 1250;5 ; 1500;5

Standards

Standard text	EN 50470-1 / 3 ; IEC 62053-21 / 23 ; IEC 61557-12
Certified product	MID (Measuring Instruments Directive)

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