



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
Fixing mode	DIN rail type O (symmetrical)

##### Functions

Tarif type	T1...T2 (230V AC) / T1...T8 Modbus
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##### Configuration

Number of modules	4
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##### Compatibility

Suitable for	Purchase / supply
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##### 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

#### Installation, mounting

Mounting type	din-Rail
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#### Settings

Transformer interpretation adjustable	1
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#### Equipment

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

#### Standards

European directive WEEE	concerned
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#### Safety

Protection index IP	IP20
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