



ECR300C

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

Technical Features

Architecture

Bus system	MODBUS
Type of pole	3P+N

Electric current

Rated current	5 A
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Capacity

Number of modules	4
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Connectivity

Connectivity type	ModBus RS-485 3 wires
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Dimensions

Height	90 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

Connector/plug type	Bus system	Bus connection terminal
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
9	9	9
10	10	10
11	11	11
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94	94	94
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96	96	96
97	97	97
98	98	98
99	99	99
100	100	100

Installation, mounting

Nominal tightening torque	1 - 1 Nm
Mounting on	DIN rail

Mechanical features

Nominal tightening torque digital terminal	0.50 - 0.50 Nm
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Measurement

Measuring system	Measurement transformer
Type of measuring instrument	Electronic
Current measurement range	0.01 - 6.0 A
Measurement range voltage Ph-N	92 - 276 V
Measurement range voltage Ph-Ph	160 - 480 V
Frequency measuring range	45 - 65 Hz

Power supply

Number of phases for power supply	4
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Functions

Accuracy class	B
Tariff type	T1...T2 (230V AC)/T1...T8 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	0.60 W

Electric current	
Maximum measuring circuit current	6 A
Frequency	
Frequency	50 - 50 Hz
Sustainability	
REACH-SVHC free	Yes
RoHS conform	Yes