

3Ph kWhmeter direct 125A 6M MODBUS MID

ECR310D

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MODBUS 4 P 3P, 3P+N DIN rail type O (symmetrical)	
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В	
T1T2 (230V AC) / T1T8 Modbus	
Purchase / supply	
50 Hz	
AC	
92/480 V	
92/276 V	
160/480 V	
276 V AC	
480 V AC	
230 V AC	
400 V AC	
92/276 V AC	
160/480 V AC	
300 V AC	
800 V AC	
300 V	
6 kV	
125 A	
3750 A (10 ms)	
0,02 A	
0,02/125 A	



Technical Properties	
Reference current	5 A
Max. measurement circuit current	125 A
Power	
Power consumed	2 VA
Total power loss under IN	0,6 W
Electrical specifications	
Type of pulse generator	optical
Measurement	
Measurement range of the current (Min, Max)	0,25/125 A
Measurement range of frequency	45/65 Hz
Frequency measuring range	45 to 65 Hz
Type of measuring instrument	electronical
Principle of measurement	Direct measurement
Power supply	
Supply voltage	400 V ± 20%
Dimensions	
Depth of installed product	60 mm
Height of installed product	92 mm
Width of installed product	107 mm
Installation, mounting	
Tightening torque	5Nm
Mounting type	din-Rail
Connection	
Cross section of bus network	0,8/2,5 mm²
Cross section of digital input	0,8/2,5 mm ²
Wire cross section of metering entrance wire	50 mm²
Wire cross section of metering outgoing wire	50 mm²
Settings	
Selection of transformation link	no
Equipment	
Type of display	retro illuminated display
Tariff model of kilowatt-hour meter	Externa
Type of counter	4 wires counter
Use	
Network baud rate	1200/38400 bit/s
Reference frequency	50 Hz

Standards

Standard text	EN 50470-1 / 3, IEC 62053-21 / 23, IEC 61557-12	
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Certified product	MID (Measuring Instruments	
	Directive)	
European directive WEEE	concerned	
Safety		
Protection class	isol.class II	
Protection index IP	IP20	
Class of Insulation	TBTS	
Use conditions		
Degree of pollution according to IEC 60664 / IEC	2	
60947-2		
Operating temperature	-25 55 °C	
Altitude	2000 m	
Storage temperature	-25 to 70 °C	
Storage/transport temperature	-25 70 °C	