



ECR140D

**1 Phase kWhmeter direct 40A 1M MODBUS MID**

**Technical properties**

**Architecture**

Bus system	MODBUS
Number of poles	2 P
Fixing mode	DIN rail type O (symmetrical)

**Functions**

Tarif type	- / T1...T8 Modbus
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**Configuration**

Number of modules	1
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**Compatibility**

Suitable for	Purchase / supply
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**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	0.02 A
Operating current	0.02 / 40 A
Rated current	40 A
Reference current	5 A
Max. measurement circuit current	40 A

**Dimensions**

Depth of installed product	60 mm
Height of installed product	92 mm
Width of installed product	18 mm

**Power**

Power consumed	2 VA
Total power loss under IN	1 W

**Electrical specifications**

Type of pulse generator	optical
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**Measurement**

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

**Installation, mounting**

Mounting type	din-Rail
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**Connection**

Wire cross section of metering entrance wire	16 mm <sup>2</sup>
Wire cross section of metering outgoing wire	16 mm <sup>2</sup>

**Equipment**

Type of display	LCD
Type of counter	single-phase counter

**Standards**

Standard text	EN 50470-1 / 3 ; IEC 62053-21 / 23 ; IEC 61557-12
European directive WEEE	concerned

**Safety**

Protection index IP	IP20
Protection class	isol.class II

**Use conditions**

Operating temperature	-25...55 °C
Altitude	2000 m
Storage/transport temperature	-25...70 °C