



ECN140D



## 1 Phase kWhmeter direct 40A 1M

### Technical characteristics

#### Architecture

Number of poles	2 P
Type of pole	1P+N

#### Functions

Precision class	B
Tarif type	One-tariff

#### Configuration

Number of modules	1
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#### Compatibility

Suitable for	Purchase
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#### Main electrical features

Rated operational voltage Ue	184 / 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	58 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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<b>Measurement</b>	
Frequency measuring range	45 to 65 Hz
Type of measuring instrument	electronical
Principle of measurement	Direct measurement
<b>Power supply</b>	
Supply voltage	230 V ± 20%
<b>Installation, mounting</b>	
Tightening torque	1Nm
Mounting type	din-Rail
<b>Connection</b>	
Wire cross section of metering entrance wire	16 mm <sup>2</sup>
Wire cross section of metering outgoing wire	16 mm <sup>2</sup>
<b>Equipment</b>	
Type of display	LCD
Type of counter	single-phase counter
<b>Standards</b>	
Standard text	IEC 62053-21 / 23 ; IEC 61557-12
<b>Safety</b>	
Protection class	isol.class II
REACH conform	Yes
RoHS conform	Yes
Halogen free	No
<b>Use conditions</b>	
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