



ECN140D



1 Phase kWhmeter direct 40A 1M

Technical properties

Architecture

Number of poles 2 P

Functions

Precision class B

Tarif type One-tariff

Configuration

Number of modules 1

Compatibility

Suitable for Purchase

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

Measurement

| | |
|------------------------------|--------------------|
| Frequency measuring range | 45 to 65 Hz |
| Type of measuring instrument | electronical |
| Principle of measurement | Direct measurement |

Power supply

| | |
|----------------|-----------------|
| Supply voltage | 230 V \pm 20% |
|----------------|-----------------|

Installation, mounting

| | |
|-------------------|----------|
| Tightening torque | 1Nm |
| Mounting type | din-Rail |

Connection

| | |
|--|--------------------|
| Wire cross section of metering entrance wire | 16 mm ² |
| Wire cross section of metering outgoing wire | 16 mm ² |

Equipment

| | |
|-----------------|----------------------|
| Type of display | LCD |
| Type of counter | single-phase counter |

Standards

| | |
|-------------------------|----------------------------------|
| Standard text | IEC 62053-21 / 23 ; IEC 61557-12 |
| European directive WEEE | concerned |

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 |