



1Ph kWhmeter direct 40A 1M S0 MID

ECP140D

Architecture

Number of poles	2 P
Type of pole	1P+N
Fixing mode	DIN rail type O (symmetrical)

Functions

Precision class	B
Tarif type	One-tariff

Compatibility

Suitable for	Purchase / supply
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Main electrical features

Frequency	50 Hz
Type of supply voltage	AC
Rated operational voltage Ue	92/276 V

Voltage

Mesure voltage range P-N	92/276 V
Max permanent voltage Ph-N	276 V AC
Reference voltage P-N	230 V AC
Supply voltage P-N	92/276 V AC
Max permanent voltage Ph-N (1s)	300 V AC
Max operating voltage	300 V
Rated impulse withstand voltage	6 kV

Electric current

Max permanent current	40 A
Max temporary current	1200 A (10 ms)
Minimum operating current	0,02 A
Operating current	0,02/40 A
Reference current	5 A
Max. measurement circuit current	40 A

Power

Power consumed	2 VA
Total power loss under IN	1 W
Plage Impulsion/KWh	1000 Imp/kWh

Electrical specifications

Type of pulse generator	électrical
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Measurement

Measurement range of the current (Min, Max)	0,25/40 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	230 V ± 20%
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Dimensions

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

Installation, mounting

Tightening torque	1Nm
Mounting type	din-Rail

Connection

Cross section of digital input	0,5/2,5 mm ²
Wire cross section of metering entrance wire	16 mm ²
Wire cross section of metering outgoing wire	16 mm ²

Settings

Value of a pulse	100 Wh
Selection of transformation link	no

Equipment

Type of display	LCD
Type of counter	single-phase counter

Use

Pulse duration	100 ms
Reference frequency	50 Hz

Standards

Standard text	EN 50470-1 / 3, IEC 62053-21 / 23, IEC 61557-12
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 60947-2	2
Operating temperature	-25 55 °C
Altitude	2000 m
Storage temperature	-25 to 70 °C
Storage/transport temperature	-25 70 °C