



3Ph kWhmeter direct 80A 4M S0 MID

ECP380D

Architecture

Number of poles	4 P
Type of pole	3P, 3P+N
Fixing mode	DIN rail type O (symmetrical)

Functions

Precision class	B
Tarif type	T1...T2 (230 V AC) / -

Compatibility

Suitable for	Purchase / supply
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Main electrical features

Frequency	50 Hz
Type of supply voltage	AC
Rated operational voltage Ue	92/480 V

Voltage

Mesure voltage range P-N	92/276 V
Mesure voltage range Ph-Ph	160/480 V
Max permanent voltage Ph-N	276 V AC
Permanent voltage Ph-Ph	480 V AC
Reference voltage P-N	230 V AC
Reference voltage Ph-Ph	400 V AC
Supply voltage P-N	92/276 V AC
Supply voltage Ph-Ph	160/480 V AC
Max permanent voltage Ph-N (1s)	300 V AC
Max permanent voltage Ph-Ph (1s)	800 V AC
Max operating voltage	300 V
Rated impulse withstand voltage	6 kV

Electric current

Max permanent current	80 A
Max temporary current	2400 A (10 ms)
Minimum operating current	0,015 A
Operating current	0,015/80 A
Reference current	5 A

Technical Properties

Max. measurement circuit current	80 A
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Power

Power consumed	2 VA
Total power loss under IN	0,6 W
Plage Impulsion/KWh	1/200 Imp/kWh

Electrical specifications

Type of pulse generator	électrical
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Measurement

Measurement range of the current (Min, Max)	0,25/80 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%
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Dimensions

Depth of installed product	60 mm
Height of installed product	92 mm
Width of installed product	72 mm

Installation, mounting

Tightening torque	2Nm
Mounting type	din-Rail

Connection

Cross section of digital input	0,8/2,5 mm ²
Wire cross section of metering entrance wire	33 mm ²
Wire cross section of metering outgoing wire	33 mm ²

Settings

Value of a pulse	100 Wh
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

Pulse duration	30/100 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