Extract from the online catalog

EEM-MA200

Order No.: 2901362



http://eshop.phoenixcontact.ae/phoenix/treeViewClick.do?UID=2901362

Energy measurement device to measure electrical parameters in low voltage installations up to 500 V, acquisition of total harmonic oscillations

Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation at http://www.download.phoenixcontact.com. The General Terms and Conditions of Use apply to Internet downloads.

Commercial data

EAN	4 046356 583916
Pack	1 pcs.
Customs tariff	90303100
Gross weight in pieces	303.60 g

Technical data

Input data

Measuring principle	True r.m.s. value measurement
Acquisition of harmonics	up to 51st harmonic
Measured value	AC sinus (45 ... 65 Hz)
Input name	Voltage measurement V1, V2, V3
Input voltage range	50 V AC ... 519 V AC (Phase/Phase)
	28 V AC ... 300 V AC (Phase/neutral conductor)
Precision	0.2 %
Input name	Current measurement I1, I2, I3
Input current range	Via external transformers

Input current	9999 A (primary)
	5 A (secondary)
Overload capacity	6 A (Permanent)
Response threshold from measuring range nominal value	5 mA
Precision	0.2 %
Messbereich_Leistung	0 kW ... 9999 kW
	0 kvar ... 9999 kvar
	0 kVA ... 9999 kVA
Precision	0.5 %
Active energy (IEC 62053-22)	Class 0.5S
Reactive power (IEC 62053-23)	Class 2
Description of the input	Digital input
Number	1
Voltage input signal	230 V AC ± 10% (Tariff switchover: e.g., day/nighttime tariff)

Output data

Output description	Transistor output, active
Number	1
Maximum switching voltage	30 V DC
Current carrying capacity	27 mA

Interfaces

Name	None

General data

Width	72 mm
Height	90 mm
Depth	64 mm
Display	LCD display, backlighting
Measuring rate	approximately
Supply voltage range	110 V AC ... 277 V AC -10% ... +15%
Nominal power consumption	5 VA
Degree of protection	IP51 (front), IP20 (back)
Mains type	3-phase (3 or 4-wire), 2-phase (2-wire), and single-phase (1-wire)
Color	black
Conformance	CE-compliant

Rated insulation voltage	300 V AC (EN 61010-1)
Surge voltage category	III
Test voltage	3.5 kV AC (50 Hz, 1 min.)
	2.2 kV AC (50 Hz, 1 min.)
Ambient temperature (operation)	-10 °C ... 55 °C (14 °F to 131 °F)
Ambient temperature (storage/transport)	-20 °C ... 70 °C (-4 °F to 158 °F)
Max. permissible relative humidity (operation)	≤ 95 %
Salt spray	≤ 2.5 %

Connection data

Conductor cross section stranded min.	0.5 mm²
Conductor cross section stranded max.	2.5 mm²
Conductor cross section solid min.	0.5 mm²
Conductor cross section solid max.	2.5 mm²
Conductor cross section AWG/kcmil min.	20
Conductor cross section AWG/kcmil max	14
Connection method	Screw connection
Tightening torque	0.6 Nm
Note	other connections
Conductor cross section stranded min.	0.5 mm²
Conductor cross section stranded max.	4 mm²
Conductor cross section solid min.	0.5 mm²
Conductor cross section solid max.	4 mm²
Conductor cross section AWG/kcmil min.	20
Conductor cross section AWG/kcmil max	10
Note	Current and voltage connection

Certificates

Certification cULus Listed

Certifications applied for:

Certification Ex:

Address

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