


Measuring instrument - EEM-EM357 - 2908588

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Three-phase power meter for active power measurement with direct measurement in networks of up to 500 V / 80 A, with S0 output, with digital input and RS-485 interface, certified in accordance with the MID directive



Key Commercial Data

Packing unit	1 pc
GTIN	 4 055626 338262
GTIN	4055626338262
Weight per Piece (excluding packing)	485.600 g
Custom tariff number	85371098
Country of origin	Italy

Technical data

Dimensions

Width	72 mm
Height	90 mm
Depth	67 mm

Ambient conditions

Ambient temperature (operation)	-25 °C ... 55 °C
Ambient temperature (storage/transport)	-25 °C ... 75 °C
Max. permissible relative humidity (operation)	80 %
Degree of protection	IP51 (Front)
	IP20 (Connections)

Input data

Designation	Measuring input
Input voltage range	3x 184 V ... 288 V (320 V ... 500 V)
Power consumption	3.5 VA (1 W)
Frequency range	45 Hz ... 65 Hz

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Technical data

Input data

Energy (EN 50470-3)	Class B
Real energy (IEC 62053-21)	Class 1
Reactive power (IEC 62053-23)	Class 2
Designation	Digital input
Description of the input	Active opto-isolated
Input voltage range	80 V AC/DC ... 276 V AC/DC

Output data

Designation	S0 output
Output description	Passive opto-isolated
Maximum switching voltage	27 V DC
Max. switching current	27 mA

Communication interface

Communication protocol	Modbus
Communication standard	RS-485
Transmission speed range	300 bps ... 57600 bps

General

Degree of protection	IP51 (Front)
	IP20 (Connections)
Protection class	II (EN 50470-1)
Electric strength	6 kV
	4 kV (EN 50470-3, 7.2)

Connection data

Connection name	Measurement connection
Connection method	Screw connection
Conductor cross section solid	1.5 mm ² ... 35 mm ²
Tightening torque	2 Nm

Connection data 2

Connection name	Other connections
Connection method	Screw connection
Conductor cross section solid	0.14 mm ² ... 2.5 mm ²
Tightening torque	0.5 Nm

Standards and Regulations

Standards/specifications	EN 50470-1 EN 50470-3
Conformance	CE-compliant
MID	MID-compliant

Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
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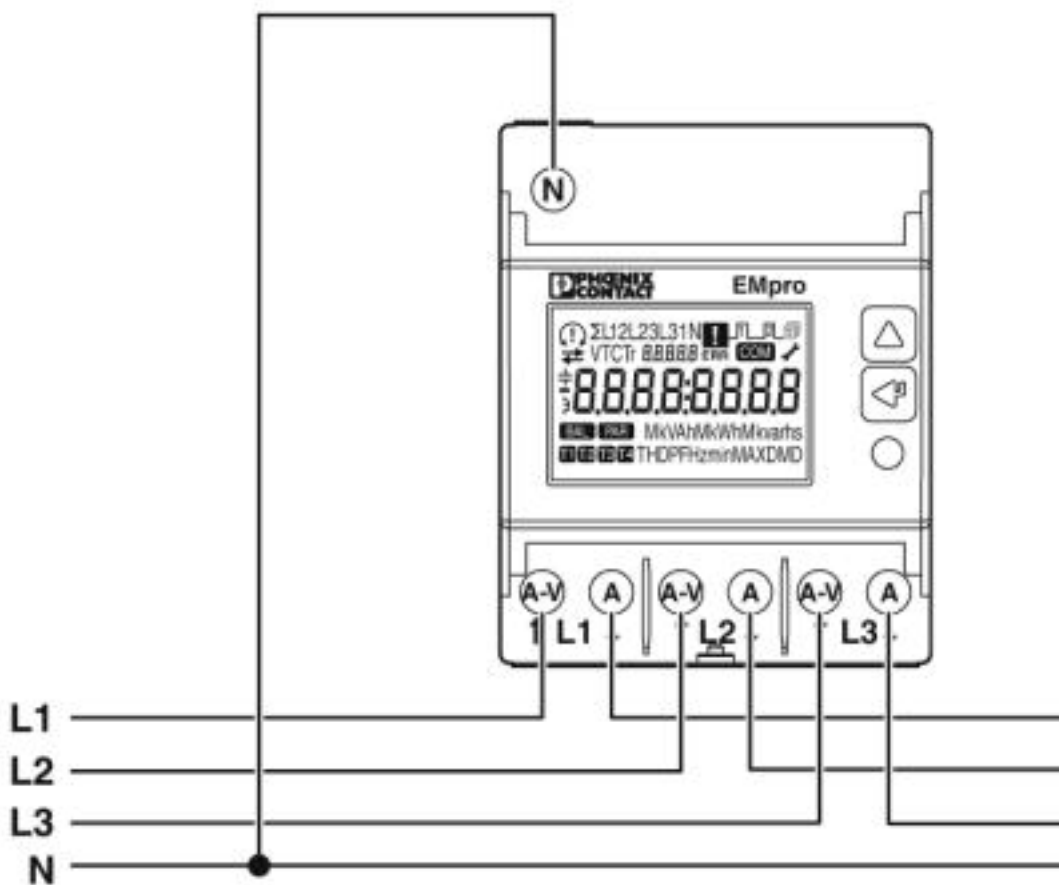
Technical data

Environmental Product Compliance

	No hazardous substances above threshold values
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Drawings

Connection diagram



Classifications

eCl@ss

eCl@ss 5.0	27200307
eCl@ss 5.1	27200307
eCl@ss 6.0	27142300
eCl@ss 7.0	27142330
eCl@ss 8.0	27142330
eCl@ss 9.0	27142330

ETIM

ETIM 4.0	EC002308
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Classifications

ETIM

ETIM 5.0	EC002308
ETIM 6.0	EC002301
ETIM 7.0	EC002301

Approvals


Approvals

Approvals

EAC

Ex Approvals

Approval details

EAC		RU *- DE.A*30.B.01628
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