


Measuring instrument - EEM-EM377 - 2908590

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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, Ethernet interface, certified in accordance with the MID directive



Key Commercial Data

Packing unit	1 pc
GTIN	 4 0 5 5 6 2 6 3 3 8 2 7 9
GTIN	4055626338279

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
Energy (EN 50470-3)	Class B
Real energy (IEC 62053-21)	Class 1

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Technical data

Input data

Reactive power (IEC 62053-23)	Class 2
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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/TCP
	HTTP
	NTP
	DHCP
	FTP
Communication standard	IEEE 802.3
Connection method	RJ45
Transmission speed range	10 Mbps ... 100 Mbps

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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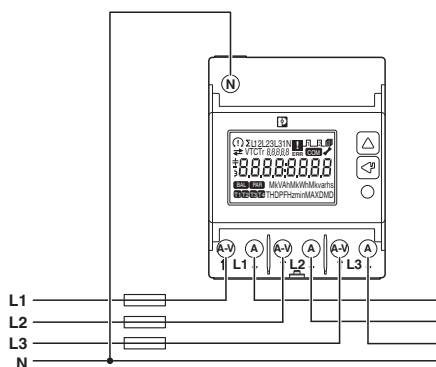
Technical data

Environmental Product Compliance

	No hazardous substances above threshold values
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Drawings

Connection diagram



Classifications

eCl@ss

eCl@ss 10.0.1	27142330
eCl@ss 11.0	27142330
eCl@ss 5.0	27200307
eCl@ss 5.1	27200307
eCl@ss 6.0	27142300
eCl@ss 7.0	27142330
eCl@ss 9.0	27142330

ETIM

ETIM 4.0	EC002308
ETIM 6.0	EC002301
ETIM 7.0	EC002301

Approvals

Approvals

Approvals

EAC / MID

Ex Approvals

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Approvals

Approval details

EAC		RU *- DE.A*30.B.01628
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MID	No. 308/MID
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