

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



RoHS

Key Commercial Data

Packing unit	1 pc
GTIN	 4 055626 338279
GTIN	4055626338279
Weight per Piece (excluding packing)	583.200 g
Sales Key	CK4C11

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

Measuring instrument - EEM-EM377 - 2908590

Technical data

Input data

Real energy (IEC 62053-21)	Class 1
Reactive power (IEC 62053-23)	Class 2

Output data

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

Communication interface

Communication standard	IEEE 802.3
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/regulations	EN 50470-1
	EN 50470-3
Conformance	CE-compliant
MID	MID-compliant

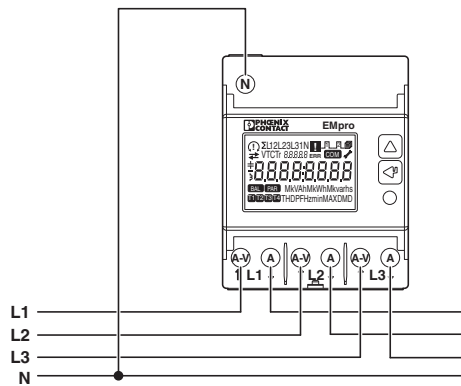
Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

Measuring instrument - EEM-EM377 - 2908590

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
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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