INDUSTRIAL COMPONENT DATA

EEM-EM377 2908590 PHOENIX CONTACT Measuring instrument

Brand: PHOENIX CONTACT | Manufacturer Part Number: EEM-EM377



Manufacturer	PHOENIX CONTACT
MPN / Reference	EEM-EM377
Catalog number	2908590
Category	Multifunction measuring instrument
Minimum order	1 Pcs
Document ID	EO-EF4C2167A2
Generated	2026-11-18

Product Overview

Measuring instrument
Three-phase energy meter for measuring active power with direct measurement in networks up to 500 V / 80 A, with S0 output, Ethernet interface, certified according to the MID directive

STRUCTURED PRODUCT DATA

Technical Specifications

No structured technical attributes are currently available. Submit an RFQ for technical review.

Classification & Catalog Path

Catalog path	PHOENIX CONTACT > INTERFACE Components (IF)

Additional Product Information

Key Commercial Data
Orderkey 2908590
Packing unit 1 pc
Note Made to Order (non-returnable)
GTIN 4055626338279
Weight per Piece (excluding packing) 583.200 g
Custom tariff number 85371098
Country of origin IT (Italy)
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 %
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
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 data
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 mm² ... 35 mm²
Connection name Other connections
Connection method Screw connection
Conductor cross section solid 0.14 mm² ... 2.5 mm²
Standards and Regulations
Standards/regulations
Conformance CE-compliant
MID MID-compliant
Environmental Product Compliance
China RoHS Environmentally f...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / EEM-EM377 with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

Germany: Lise-Meitner-Straße 13, 89081 Ulm | USA: 16225 Park Ten Pl #500, Houston, TX 77084 | UAE: HDS Business Centre Tower, Cluster M, 33rd Floor, JLT, Dubai

Catalog-generated document. Product names, marks and specifications belong to their respective owners. Verify safety-critical, compatibility and certification requirements against the manufacturer documentation before purchase or installation.