INDUSTRIAL COMPONENT DATA

EEM-MA770 2907945 PHOENIX CONTACT Multi-functional energy measuring device with integrated Modbus/TCP interf..

Brand: PHOENIX CONTACT | Manufacturer Part Number: EEM-MA770



Manufacturer	PHOENIX CONTACT
MPN / Reference	EEM-MA770
Catalog number	2907945
Category	Multifunction measuring instrument
Minimum order	1 Pcs
Document ID	EO-09E6F0A2F3
Generated	2026-11-18

Product Overview

Multi-functional energy measuring device with integrated Modbus/TCP interface for measuring electrical parameters in low-voltage installations up to 690 V.

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 2907945
Packing unit 1 pc
Catalog page Page 202 (C-5-2019)
GTIN 4055626260389
Weight per Piece (excluding packing) 540.000 g
Custom tariff number 90303100
Country of origin DE (Germany)
Dimensions
Input data
General
Connection data 2
Standards and Regulations
Classifications

Ambient conditions
Output data
Connection data
UL data
Environmental Product Compliance
Dimensions
Width 96 mm
Height 96 mm
Depth 58 mm
Back to topAmbient conditions
Ambient temperature (operation) -10 °C ... 55 °C
Ambient temperature (storage/transport) -40 °C ... 70 °C
Maximum altitude <= 2000 m
Max. permissible relative humidity (operation) <= 95 % (non-condensing)
Degree of protection IP54 (Display (+ EEM-MA-IP))
IP20 (Housing)
Back to topInput data
Measuring principle True r.m.s. value measurement (TRMS)
Acquisition of harmonics up to 63rd harmonic
Measured value AC sine (50/60 Hz)
Input name Voltage measuring input V1, V2, V3
Input voltage range 35 V AC ... 690 V AC (Phase/Phase)
20 V AC ... 400 V AC (Phase/neutral conductor)
60 V AC ... 2000000 V AC (primary)
60 V AC ... 400 V AC (secondary)
Surge voltage capacity 760 V AC (Phase/Phase)
Precision 0.2 %
Input name Current measurement I1, I2, I3
Input current 1 A (secondary)
5 A (secondary)
Current measuring range 1 A ... 20000 A (primary)
Overload capacity 6 A (Imax)
Response threshold from measuring range nominal value 10 mA (1 A)
Precision 0.2 %
Current overload 50 A for 1 s
Precision 0.5 %
Active energy (IEC 62053-22)....

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / EEM-MA770 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

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