INDUSTRIAL COMPONENT DATA

EEM-MA770-R 2907944 PHOENIX CONTACT Multi-functional energy measuring device with integrated Modbus RTU/TCP ..

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



Manufacturer	PHOENIX CONTACT
MPN / Reference	EEM-MA770-R
Catalog number	2907944
Category	Multifunction measuring instrument
Minimum order	1 Pcs
Document ID	EO-2336C56E51
Generated	2026-11-19

Product Overview

Multi-functional energy measuring device with integrated Modbus RTU/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 2907944
Packing unit 1 pc
Catalog page Page 202 (C-5-2019)
GTIN 4055626261089
Weight per Piece (excluding packing) 0.000 g
Custom tariff number 90303100
Country of origin DE (Germany)
Dimensions
Input data
General
Connection data 2
UL data
Environmental Product Compliance

Ambient conditions
Output data
Connection data
Connection data 3
Standards and Regulations
Classifications
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
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 6...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / EEM-MA770-R 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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