

INDUSTRIAL COMPONENT DATA

EMD-FL-C-10 2866022 PHOENIX CONTACT Monitoring relay

Brand: PHOENIX CONTACT | Manufacturer Part Number: EMD-FL-C-10



Manufacturer	PHOENIX CONTACT
MPN / Reference	EMD-FL-C-10
Catalog number	2866022
Category	Current monitoring relay
Minimum order	1 Pcs
Document ID	EO-08CA213856
Generated	2026-08-02

Product Overview

Monitoring relay

Monitoring relay for 1-phase current monitoring from 0...10 A AC/DC, overcurrent/minimum current or Window, error memory, long-range power supply, 2 switched contacts

Monitoring relay for monitoring 1-phase currents of 0 ... 10 A AC/DC, overcurrent/undercurrent or window, error memory, wide range power supply unit, 2 changeover contacts

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 > Industrial Relays**

Additional Product Information

Technical dataNotesUtilization restriction

EMC note EMC: class A product, see manufacturer's declaration in the download area

Product propertiesProduct type Current monitoring relay

Operating mode 100% operating factor

Mechanical service life approx. 2x 10⁷cycles

Data management status

Article revision 03

Insulation characteristics

Insulation Basic insulation

Overvoltage category III

Pollution degree 2

Electrical propertiesService life electrical 2x 10⁵cycles at ohmic load, 1000 VA

Maximum power dissipation for nominal condition 1 W

Mains type 1-phase

Rated insulation voltage 300 V

Rated surge voltage 4 kV

Supply

Supply voltage range 24 V AC ... 240 V AC -15 % ... +10 %

24 V DC ... 240 V DC -20 % ... +25 %

Nominal power consumption 4.5 VA (1.5 W)

Input dataInput name Measuring input

Measured value DC, AC sine

Input current range 0 mA ... 100 mA (Connection terminals: I1 and GND)

0 A ... 1 A (Connection terminals: I2 and GND)

0 A ... 10 A (Connection terminals: I3 and GND)

Overload capacity 800 mA (at IN= 100 mA)

3 A (at IN= 1 A)

12 A (at IN= 10 A)

Input resistance current input 470 m Ω (at IN= 100 mA)

47 m Ω (at IN= 1 A)

5 m Ω (at IN= 10 A)

Frequency range 48 Hz ... 400 Hz

Maximum temperature coefficient < 0.1 %/K

Setting range for response delay 0.1 s ... 10 s

Setting range for starting delay 0 s ... 10 s

Min. setting range 5 % ... 95 % (from IN)

Max. setting range 10 % ... 100 % (from IN)

Function Overcurrent

Undercurrent

Window

Error memory

Basic accuracy ± 5 % (of scale end...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / EMD-FL-C-10 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.