

INDUSTRIAL COMPONENT DATA

EMD-SL-PTC 2866093 PHOENIX CONTACT Monitoring relay

Brand: PHOENIX CONTACT | Manufacturer Part Number: EMD-SL-PTC



Manufacturer	PHOENIX CONTACT
MPN / Reference	EMD-SL-PTC
Catalog number	2866093
Category	Temperature monitoring relay
Minimum order	1 Pcs
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Product Overview

Monitoring relay

Monitoring relay for temperature monitoring of motor windings (maximum 6 PTC) with error memory, for temperature sensor according to DIN 44081, test function with integrated test/reset button, selectable supply voltage via power module, 2 switched contacts

Monitoring relay for temperature monitoring of the motor winding (maximum 6 PTC) with error memory for temperature sensors in acc. with DIN 44081, test function with integrated test/reset button, supply voltage can be selected via power module, 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 Temperature monitoring relay

Operating mode 100% operating factor

Mechanical service life approx. 2x 10⁷cycles

Data management status

Article revision 02

Insulation characteristics

Insulation Basic insulation

Overvoltage category III

Pollution degree 2

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

Rated insulation voltage 300 V

Rated surge voltage 4 kV

Supply

Supply voltage range 24 V AC ... 230 V AC (see Power modules)

24 V DC (see Power modules)

Nominal power consumption 2 VA (1.5 W)

Input dataInput name Measuring input

Maximum input voltage 7.5 V DC (connection terminal blocks: T1 and T2)

Frequency range 50 Hz ... 60 Hz

Maximum temperature coefficient < 0.1 %/K

Response value $\geq 3.6 \text{ k}\Omega$ (Relay drops out)

Function Winding temperature monitoring

Basic accuracy $\pm 10 \%$ (of scale end value)

Repeat accuracy $\leq 2 \%$

Total cold resistance < 1.5 k Ω

Release value $\leq 1.8 \text{ k}\Omega$ (Relay picks up)

Short-circuit detection < 20 μs

Voltage influence $\leq 1 \%$

Recovery time 500 ms

Control

Connection name Connection of an external reset button (floating controlled N/O contact)

Load capacity Cannot carry load

Cable length max. 10 m

Output dataSwitching

Contact switching type 2 floating changeover contacts

Maximum switching voltage 250 V AC (in acc. with IEC 60664-1)

Interrupting rating (ohmic load) max. 750 VA (3 A/2...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / EMD-SL-PTC with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

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