

INDUSTRIAL COMPONENT DATA

MACX MCR-EX-RTD-I 1050222 PHOENIX CONTACT Ex i temperature transducer: converts signals from resistance temp..

Brand: PHOENIX CONTACT | Manufacturer Part Number: MACX MCR-EX-RTD-I



Manufacturer	PHOENIX CONTACT
MPN / Reference	MACX MCR-EX-RTD-I
Catalog number	1050222
Category	Temperature transformer
Minimum order	1 Pcs
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Product Overview

Ex i temperature transducer: converts signals from resistance temperature detectors installed in the Ex area and transmits a 0/4 - 20 mA signal to a load in the safe area. Freely programmable. 3-way isolation, SIL, screw connection, standard configuration.

Intrinsically Safe Temperature Converter: Converts the signals from the thermoresistors installed in the Ex zone and transmits a 0/4-20 mA signal to a load in the safe area. Free programming. 3-way spacing, safety integrity level, screw connection, standard configuration.

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 1050222

Packing unit 1 pc

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GTIN 4055626666075

Weight per Piece (excluding packing) 0.000 g

Custom tariff number 85437090

Country of origin DE (Germany)

Drawings

Dimensions

Input data

Power supply

General

EMC data

Environmental Product Compliance

Note

Ambient conditions

Output data

Connection data

Safety data

Standards and Regulations

Classifications

Drawings

Block diagram

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

Back to topDimensions

Width 12.5 mm

Height 112.5 mm

Depth 114.5 mm

Back to topAmbient conditions

Ambient temperature (operation) -40 °C ... 70 °C (Any mounting position)

Ambient temperature (storage/transport) -40 °C ... 80 °C

Permissible humidity (operation) 5 % ... 95 % (non-condensing)

Degree of protection IP20

Noise immunity EN 61000-6-2 When being exposed to interference, there may be minimal deviations.

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Input Intrinsically safe

Sensor types (RTD) that can be used Sensors (2-, 3-, 4-wire)

Temperature measuring range -200 °C ... 850 °C (Range depending on the sensor type)

Input signal range 0 ? ... 50 k?

Potentiometer resistance range 0 ? ... 50 k?

Cable resistance <= 50 ? per cable

Sensor input current 10 µA ... 210 µA (up to 2 x 210 µA for 3-conductor)

Measuring range span >= 50 K

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Signal output Current output

Configurable/programmable Yes

Current output signal 0 mA ... 20 mA

4 mA ... 20....

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / MACX MCR-EX-RTD-I with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

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