

## 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                   |
| Document ID     | EO-8655D8A6FB           |
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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 &gt; 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  
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Note

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

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Dimensions

Width 12.5 mm  
Height 112.5 mm  
Depth 114.5 mm

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Ambient 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 data

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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Output data

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](mailto:info@electricaonline.com) or use [electricaonline.com/request-quote](https://electricaonline.com/request-quote).

### GLOBAL OFFICES

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