INDUSTRIAL COMPONENT DATA

# MACX MCR-EX-RTD-I-SP 1050252 PHOENIX CONTACT Ex i temperature transducer: converts signals from resistance t..

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



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|---|---|
| Manufacturer | PHOENIX CONTACT |
| MPN / Reference | MACX MCR-EX-RTD-I-SP |
| Catalog number | 1050252 |
| Category | Temperature transformer |
| Minimum order | 1 Pcs |
| Document ID | EO-7B004D730B |
| Generated | 2026-11-19 |

## 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, Push-in 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 programmable, 3-way separation, safety integrity level, push-in connection, standard configuration.

STRUCTURED PRODUCT DATA

## Technical Specifications

No structured technical attributes are currently available. Submit an RFQ for technical review.

## Classification & Catalog Path

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| Catalog path | PHOENIX CONTACT > INTERFACE Components (IF) |

## Additional Product Information

Key Commercial Data
Orderkey 1050252
Packing unit 1 pc
Catalog page Page 146 (C-5-2019)
GTIN 4055626665160
Weight per Piece (excluding packing) 0.000 g
Custom tariff number 85437090
Country of origin DE (Germany)
Note
Ambient conditions

Output data
Connection data
Safety data
Standards and Regulations
Classifications
Dimensions
Input data
Power supply
General
EMC data
Environmental Product Compliance
Note
Utilization restriction EMC: class A product, see manufacturer's declaration in the download area
Back to topDimensions
Width 12.5 mm
Height 116 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
Maximum altitude <= 2000 m
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.
Back to topInput data
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
Back to topOutput data
Signal output Current output
Configurable/programmable Yes
Current output signal 0 mA ... 20 mA
4 mA ... 20 mA (SIL)
Load/output load current output <= 6...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / MACX MCR-EX-RTD-I-SP 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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