INDUSTRIAL COMPONENT DATA

MACX MCR-TC-I 1050228 PHOENIX CONTACT Temperature transducer: converts signals from thermocouples and mV sou..

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



Manufacturer	PHOENIX CONTACT
MPN / Reference	MACX MCR-TC-I
Catalog number	1050228
Category	Temperature transformer
Minimum order	1 Pcs
Document ID	EO-D43C7DB64F
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Product Overview

Temperature transducer: converts signals from thermocouples and mV sources into 0/4…20 mA signals. Freely programmable, 3-way electrical isolation, screw connection, SIL.
Temperature converter: transforms signals from thermocouples and mV sources into 0/4-20 mA signals. Free programming, 3-way galvanic separation, screw connection, SIL.

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

Technical dataNotesUtilization restriction
EMC note EMC: class A product, see manufacturer's declaration in the download area
Product propertiesProduct type Temperature transmitter
Product family MACX Analog
Application Temperature
No. of channels 1
Type Signal conditioners with SIL functional safety
Configuration Software
Data management status
Article revision 06

Insulation characteristics: GB Standard
Overvoltage category II
Pollution degree 2
Electrical propertiesElectrical isolation 3-way isolation
Cold point error, max. ± 2 K
Step response (0-99%) 1 s
<= 1.7 s
Temperature coefficient, typical 0.01 %/K
Transmission error, typical 0.1 % (For full identification of transmission errors, see the data sheet)
Electrical isolation Input/output/power supply
Rated insulation voltage 300 Vrms
Test voltage 2.5 kV AC (50 Hz, 60 s)
Insulation Safe isolation in accordance with IEC/EN 61010-1
Electrical isolation Input/output
Electrical isolation 375 V (Peak value in accordance with IEC/EN 60079-11)
Electrical isolation Input/power supply
Electrical isolation 375 V (Peak value in accordance with IEC/EN 60079-11)
Supply
Nominal supply voltage 24 V DC
Supply voltage range 19.2 V DC ... 30 V DC (24 V DC, -20 % ... +25 %)
Max. current consumption < 40 mA (24 V DC)
Power dissipation <= 0.76 W
Power consumption <= 1 W
Input dataSignal
Number of inputs 1
Input signal Temperature
Voltage
Measurement
Sensor types that can be used (TC) B, E, J, K, N, R, S, T, L, U, C, D, A-1, A-2, A-3, M, Lr
Tempe...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / MACX MCR-TC-I 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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