INDUSTRIAL COMPONENT DATA

MACX MCR-EX-T-UI-UP-SP 2924689 PHOENIX CONTACT Temperature measuring transducer

Brand: PHOENIX CONTACT | Manufacturer Part Number: MACX MCR-EX-T-UI-UP-SP



Manufacturer	PHOENIX CONTACT
MPN / Reference	MACX MCR-EX-T-UI-UP-SP
Catalog number	2924689
Category	Temperature transformer
Minimum order	1 Pcs
Document ID	EO-6186B46DBA
Generated	2026-11-18

Product Overview

Temperature measuring transducer
Programmable intrinsically safe temperature converter with analog output and 1 limit value relay, standard configuration, heat resistance in 2, 3 or 4 conductor technology, thermocouples, galvanic separation, wide power range, push-in connection, SIL, PL.

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 2924689
Packing unit 1 pc
Catalog page Page 148 (C-5-2017)
GTIN 4046356629102
Weight per Piece (excluding packing) 163.700 g
Custom tariff number 85437090
Country of origin DE (Germany)
Note
Utilization restriction 1
Dimensions
Width 17.5 mm

Height 99 mm
Depth 114.5 mm
Ambient conditions
Ambient temperature (operation) -20 °C ... 65 °C
Ambient temperature (storage/transport) -40 °C ... 85 °C
Maximum altitude <= 2000 m
Permissible humidity (operation) typ. 5 % ... 95 % (non-condensing)
Noise immunity EN 61000-6-2 When being exposed to interference, there may be minimal deviations.
Shock 15g, according to IEC 60068-2-27
Vibration (operation) 5g, accordance to IEC 60068-2-6
Input data
Sensor types (RTD) that can be used Pt, Ni, Cu sensors: 2, 3, 4-wire
Sensor types that can be used (TC) B, E, J, K, N, R, S, T, L, U, CA, DA, A1G, A2G, A3G, MG, LG
Temperature measuring range -250 °C ... 2500 °C (Range depending on the sensor type)
Input signal range 0 ? ... 50 k?
Potentiometer resistance range 0 ? ... 50 k?
Input signal range -1000 mV ... 1000 mV
Output data
Configurable/programmable Yes
Max. voltage output signal ± 11 V
Current output signal 4 mA ... 20 mA (in the case of SIL; further free configuration without SIL)
Max. current output signal 22 mA
Load/output load voltage output >= 10 k?
Load/output load current output <= 600 ? (at 20 mA)
Behavior in the event of a sensor error according to NE 43 or freely configurable
Output name Switching output
Conf...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / MACX MCR-EX-T-UI-UP-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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