

INDUSTRIAL COMPONENT DATA

MACX MCR-T-UI-UP 2811394 PHOENIX CONTACT Freely programmable temperature transducer with analog output and 1..

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



Manufacturer	PHOENIX CONTACT
MPN / Reference	MACX MCR-T-UI-UP
Catalog number	2811394
Category	Temperature transformer
Minimum order	1 Pcs
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Product Overview

Freely programmable temperature transducer with analog output and 1 limit value relay, standard configuration, resistance thermometer in 2-, 3-, or 4-wire technology, thermocouples, galvanic isolation, wide-range power supply, screw connection, SIL

Freely programmable temperature converter with analog output and 1 limit value relay, standard configuration, heat resistances in 2, 3 or 4 conductor technology, thermocouples, galvanic separation, wide power range, screw 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

Note

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

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.

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

Max. voltage output signal ± 11 V

Current output signal 0 mA ... 20 mA ±10 V (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 ? (20 mA)

Behavior in the event of a sensor error according to NE 43 or freely configurable

Output name Relay output

Contact type 1 PDT

Contact material AgSnO₂, hard gold-plated

Maximum switching voltage 30 V AC (30 V DC)

Maximum inrush current 0.5 A (30 V AC)

1 A (30 V DC)

Power supply

Supply voltage range 24 V ... 230 V AC/DC (-20 %/+10 %, 50/60 Hz)

Power consumption < 1.5 W

Connecti...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

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