

## INDUSTRIAL COMPONENT DATA

# MACX MCR-T-UIREL-UP-SP 2811828 PHOENIX CONTACT

## Temperature measuring transducer

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



|                 |                         |
|-----------------|-------------------------|
| Manufacturer    | PHOENIX CONTACT         |
| MPN / Reference | MACX MCR-T-UIREL-UP-SP  |
| Catalog number  | 2811828                 |
| Category        | Temperature transformer |
| Minimum order   | 1 Pcs                   |
| Document ID     | EO-1249080FBE           |
| Generated       | 2026-08-03              |

### Product Overview

Temperature measuring transducer

Freely programmable temperature converter with analogue output and 3 limit value relays, 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 2811828

Packing unit 1 pc

Catalog page Page 127 (C-5-2017)

GTIN 4046356579483

Weight per Piece (excluding packing) 120.000 g

Custom tariff number 85437090

Country of origin DE (Germany)

Note

Utilization restriction 1

Dimensions

Width 35 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

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 Relay output

Configurable/programmable Yes

Contact type 3 PDTs

Contact material AgSnO<sub>2</sub>, hard gold-plated

Maximum swi...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / MACX MCR-T-UIREL-UP-SP 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

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

Catalog-generated document. Product names, marks and specifications belong to their respective owners. Verify safety-critical, compatibility and certification requirements against the manufacturer documentation before purchase or installation.