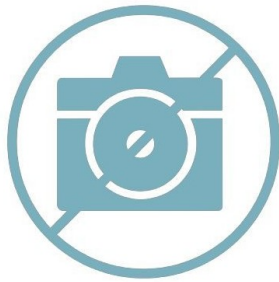


**INDUSTRIAL COMPONENT DATA**

# MACX MCR-TS-I-OLP-SP 2908664 PHOENIX CONTACT

## Temperature measuring transducer

Brand: PHOENIX CONTACT | Manufacturer Part Number: MACX MCR-TS-I-OLP-SP



|                 |                         |
|-----------------|-------------------------|
| Manufacturer    | PHOENIX CONTACT         |
| MPN / Reference | MACX MCR-TS-I-OLP-SP    |
| Catalog number  | 2908664                 |
| Category        | Temperature transformer |
| Minimum order   | 1 Pcs                   |
| Document ID     | EO-8BB11E0600           |
| Generated       | 2026-08-06              |

### Product Overview

Temperature measuring transducer

Output loop-fed temperature converter to transmit up to 2 sensor signals from RTD and CT sensors, as well as resistance and voltage transmitters via 4 mA... 20 mA. HART, Standard Configuration, Safety Integrity Level (SIL, IEC61508): 2, Systematic Capability: 3, Push-in Connection

**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 2908664

Packing unit 1 pc

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GTIN 4055626355443

Weight per Piece (excluding packing) 169.000 g

Custom tariff number 85437090

Country of origin DE (Germany)

Dimensions

Width 12.5 mm

Height 99 mm

Depth 114.5 mm

**Ambient conditions**

Ambient temperature (operation) -40 °C ... 85 °C

-40 °C ... 70 °C (SIL active)

Ambient temperature (storage/transport) -40 °C ... 100 °C

Maximum altitude ≤ 4000 m (Above sea level)

**Input data**

Sensor types (RTD) that can be used Pt, Ni, Cu sensors: 2, 3, 4-wire

Sensor types that can be used (TC) A, B, C, D, E, J, K, L, N, R, S, T, U

Linear resistance measuring range 10 ? ... 2000 ? (Minimum measuring span: 10 ?)

Temperature measuring range -250 °C ... 2500 °C (Range depending on the sensor type)

-200 °C ... 850 °C (Pt 100)

**Output data**

Configurable/programmable no

Current output signal 4 mA ... 20 mA

20 mA ... 4 mA

Max. output current 23 mA

**Power supply**

Supply voltage range 12 V ... 42 V

12 V ... 32 V (SIL active)

**Connection data**

Connection method Push-in connection

Conductor cross section solid min. 0.2 mm<sup>2</sup>Conductor cross section solid max. 1.5 mm<sup>2</sup>

Conductor cross section AWG min. 24

Conductor cross section AWG max. 16

Conductor cross section flexible min. 0.2 mm<sup>2</sup>Conductor cross section flexible max. 1.5 mm<sup>2</sup>

Stripping length 8 mm

**General**

Overvoltage category II

Degree of pollution 2

Conformance CE-compliant

ATEX ? II 3G Ex nA IIC T6...T4 Gc

UL, USA/Canada UL 61010 Recognized

FM approval NI, C...

**REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW**

Send PHOENIX CONTACT / MACX MCR-TS-I-OLP-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

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