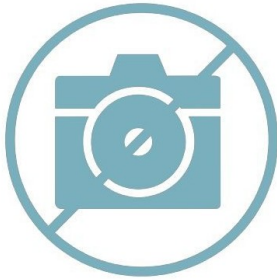


INDUSTRIAL COMPONENT DATA

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-B9BD2EA53E
Generated	2026-09-21

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

Catalog page Page 194 (C-5-2017)

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 mm²Conductor cross section solid max. 1.5 mm²

Conductor cross section AWG min. 24

Conductor cross section AWG max. 16

Conductor cross section flexible min. 0.2 mm²Conductor cross section flexible max. 1.5 mm²

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 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

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.