

INDUSTRIAL COMPONENT DATA

MACX MCR-EX-TS-I-OLP 2908660 PHOENIX CONTACT The output-loop-powered temperature transmitter transmits up to..

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



Manufacturer	PHOENIX CONTACT
MPN / Reference	MACX MCR-EX-TS-I-OLP
Catalog number	2908660
Category	Temperature transformer
Minimum order	1 Pcs
Document ID	EO-4195566D4A
Generated	2026-08-01

Product Overview

The output-loop-powered temperature transmitter transmits up to two sensor signals from RTD and TC sensors as well as from resistance-type sensors and voltage encoders via the HART communication or 4 ... 20 mA, configurable. SIL 2/3, intrinsic safety, screw connection.

Ex i, Output Loop-Fed Temperature Converter to transmit up to 2 sensor signals from RTD and CT sensors, as well as resistance and voltage transmitters using 4 mA... 20 mA. HART, Standard Configuration, Safety Integrity Level (SIL, IEC61508): 2, Systematic Capability: 3, Screw 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 2908660

Packing unit 1 pc

Catalog page Page 190 (C-5-2019)

GTIN 4055626355429

Weight per Piece (excluding packing) 210.000 g

Custom tariff number 85437090

Country of origin DE (Germany)

Drawings

Ambient conditions

[Connection data](#)

[Standards and Regulations](#)

[Classifications](#)

[Dimensions](#)

[Power supply](#)

[General](#)

[Environmental Product Compliance](#)

[Drawings](#)

[Block diagram](#)

[Block diagram for MACX MCR-EX-TS-I-OLP](#)

[Pictogram](#)

[Pictogram](#)

[Back to top](#)[Dimensions](#)

Width 12.5 mm

Height 99 mm

Depth 114.5 mm

[Back to top](#)[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)

Permissible humidity (operation) 5 % ... 95 % (non-condensing)

Degree of protection IP20 (not assessed by UL)

[Back to top](#)[Power supply](#)

Supply voltage range 12 V ... 42 V (Standard)

[Back to top](#)[Connection data](#)

Connection method Screw connection

Stripping length 7 mm

Screw thread M3

Conductor cross section solid 0.2 mm² ... 2.5 mm²

Conductor cross section flexible 0.2 mm² ... 2.5 mm²

Conductor cross section AWG 24 ... 14

Torque 0.5 Nm ... 0.6 Nm

[Back to top](#)[General](#)

Step response (0-99%) 0.8 s (TC)

Degree of pollution 2

Overvoltage category II

Color gray

Conformance CE-compliant

ATEX ? II 2 (1) G Ex ib [ia Ga] IIC T6...T4 Gb

IECEx Ex ib [ia Ga] IIC T6...T4 Gb

UL, USA/Canada UL 61010 Recognized

FM approval Exia / Class I / Div. 1, 2 / Group ABCD

CSA AIS / Class I / Div. 1....

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

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