

**INDUSTRIAL COMPONENT DATA**

# MACX MCR-SL-I-I-ILP 2905278 PHOENIX CONTACT

## Loop-powered isolators

Brand: PHOENIX CONTACT | Manufacturer Part Number: MACX MCR-SL-I-I-ILP



|                 |                     |
|-----------------|---------------------|
| Manufacturer    | PHOENIX CONTACT     |
| MPN / Reference | MACX MCR-SL-I-I-ILP |
| Catalog number  | 2905278             |
| Category        | Isolation amplifier |
| Minimum order   | 1 Pcs               |
| Document ID     | EO-0B7164AEE8       |
| Generated       | 2026-08-01          |

### Product Overview

Loop-powered isolators

1-channel input loop-fed 2-way splitter with plug-in connection technology for galvanic separation of analog signals. Input signal = output signal: 0(4) mA ... 20 mA. Screw connection technology.

1-channel input loop-powered 2-way isolator with plug-in connection technology for the electrical isolation of analog signals. Input signal = output signal: 0(4) mA ... 20 mA. Screw connection technology.

**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 &gt; INTERFACE Components (IF)

### Additional Product Information

Technical dataProduct propertiesProduct type Signal conditioner

Product family MACX Analog

No. of channels 1

Type Signal conditioners with SIL functional safety

Data management status

Article revision 04

Insulation characteristics

Overvoltage category II

Pollution degree 2

Electrical propertiesElectrical isolation 2-way isolation

Signal transmission behavior In = Out

Maximum temperature coefficient  $\leq 0.002\text{ \%}/\text{K}$  (of measured value / 100 ? load)

Transmission error, typical 0.08 % (of final value)

Electrical isolation Input/output/power supply

Rated insulation voltage 300 Vrms

Test voltage 2.5 kV AC (50 Hz, 60 s)

Insulation Safe isolation in accordance with IEC/EN 61010-1

Supply

Supply voltage range loop-powered, no external supply necessary

Input dataSignal: Current

Number of inputs 1

Configurable/programmable no

Max. voltage input signal  $< 30.5\text{ V}$

Current input signal 0 mA ... 20 mA

4 mA ... 20 mA

Input voltage limitation 30.5 V

Voltage dissipation 2.9 W ( $I = 20\text{ mA}$ )

Step response (10-90%) 5 ms (500 ? load)

Additional error, load-dependent 0.022 % (of measured value / 100 ? load)

Response current approx. 50  $\mu\text{A}$

Output dataSignal: Current

Number of outputs 1

Configurable/programmable no

Max. voltage output signal 27.5 V

Current output signal 0 mA ... 20 mA

4 mA ... 20 mA

Load/output load current output  $\leq 1375\text{ ?}$  ( $I = 20\text{ mA}$ )

Residual ripple  $< 10\text{ mVrms}$ (500 ? load)

Connection dataConnection method Screw connection

Stripping length 7 mm

Screw thread M3

Conductor cross section rigid 0.2...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / MACX MCR-SL-I-I-ILP 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 PI #500, Houston, TX 77084 | UAE: HDS Business Centre Tower, Cluster M, 33rd Floor, JLT, Dubai

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