

**INDUSTRIAL COMPONENT DATA**

# MACX MCR-SL-RPSSI-I-SP 2924207 PHOENIX CONTACT

## Power/input isolating amplifier

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



|                 |                        |
|-----------------|------------------------|
| Manufacturer    | PHOENIX CONTACT        |
| MPN / Reference | MACX MCR-SL-RPSSI-I-SP |
| Catalog number  | 2924207                |
| Category        | Isolation amplifier    |
| Minimum order   | 1 Pcs                  |
| Document ID     | EO-41840A1985          |
| Generated       | 2026-08-03             |

### Product Overview

Power/input isolating amplifier

Input and power signal conditioner, with HART transparency. It transmits 0/4-20 mA powered or active signals at a load (active or passive). 3-way galvanic separation, SIL 2 according to IEC 61508.

**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 2924207

Packing unit 1 pc

Catalog page Page 120 (C-5-2017)

GTIN 4046356448338

Weight per Piece (excluding packing) 132.210 g

Custom tariff number 85437090

Country of origin DE (Germany)

Note

Utilization restriction EMC: class A product, see manufacturer's declaration in the download area

Dimensions

Width 12.5 mm

Height 116 mm

Depth 114.5 mm

Ambient conditions

Ambient temperature (operation) -20 °C ... 60 °C (Any mounting position)

Ambient temperature (storage/transport) -40 °C ... 80 °C

Maximum altitude ≤ 2000 m

Permissible humidity (operation) 10 % ... 95 % (non-condensing)

Noise immunity EN 61000-6-2 When being exposed to interference, there may be minimal deviations.

Input data

Signal input Active current input

Current input signal 4 mA ... 20 mA

Transmitter supply voltage > 21.5 V (20 mA)

> 20.8 V (24 mA)

Underload/overload signal range 0 mA ... 24 mA (Extended transmission range for diagnostics)

Signal input Passive current input

Current input signal 0 mA ... 20 mA

4 mA ... 20 mA

Voltage drop < 3.5 V (in input isolating amplifier operation)

Underload/overload signal range 0 mA ... 24 mA (Extended transmission range for diagnostics)

Output data

Signal output Current output (active and passive)

Current output signal 4 mA ... 20 mA (active)

4 mA ... 20 mA (14 ... 26 V ext. source voltage)

Transmission Behavior 1:1 to input signal

Load/output load current output < 1000 ? (20 mA)

< 825 ? (24 mA)

Output ripple < 20 mVrms

Output behavior in the eve...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / MACX MCR-SL-RPSSI-I-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

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