

INDUSTRIAL COMPONENT DATA

MACX MCR-EX-SL-RPSS-2I-2I 2865382 PHOENIX CONTACT

Signal isolator

Brand: PHOENIX CONTACT | Manufacturer Part Number: MACX MCR-EX-SL-RPSS-2I-2I



Manufacturer	PHOENIX CONTACT
MPN / Reference	MACX MCR-EX-SL-RPSS-2I-2I
Catalog number	2865382
Category	Isolation amplifier
Minimum order	1 Pcs
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Product Overview

Signal isolator

Power signal conditioner for intrinsically safe power transducer, 2 channels; HART transparent. It powers intrinsically safe 2-conductor power transducers and transmits the 4 mA signal ... 20 mA from the Ex zone to the safe zone. 5-way galvanic separation, screw connection, up to SIL 3, PL.

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 2865382

Packing unit 1 pc

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GTIN 4046356160407

Weight per Piece (excluding packing) 163.800 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 99 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 Intrinsically safe

Current input signal 4 mA ... 20 mA

Transmitter supply voltage > 16 V (20 mA)

Underload/overload signal range 0 mA ... 24 mA

Output data

Signal output Current output

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

Transmission Behavior 1:1 to input signal

Load/output load current output ≤ 450 ? (20 mA)

≤ 375 ? (24 mA)

Output behavior in the event of an error < 3.6 mA (In the event of cable break at the input (as per NE 43))

> 22.5 mA (In the event of cable short circuit at the input (as per NE 43))

Power supply

Nominal supply voltage 24 V DC

Supply voltage range 19.2 V DC ... 30 V DC (24 V DC -20%...+25%)

Max. current consumption < 100 mA (24 V / 20 mA)

Power dissipation < 1.4 W (at 24 V DC / 20 mA)

Connection data

Conductor cross section so...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / MACX MCR-EX-SL-RPSS-2I-2I 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

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