

INDUSTRIAL COMPONENT DATA

MACX MCR-EX-SL-RPSSI-I 2865340 PHOENIX CONTACT

Power/input isolating amplifier

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



Manufacturer	PHOENIX CONTACT
MPN / Reference	MACX MCR-EX-SL-RPSSI-I
Catalog number	2865340
Category	Isolation amplifier
Minimum order	1 Pcs
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Product Overview

Power/input isolating amplifier

Intrinsically safe input and power signal conditioner with HART transparency. It transmits 0/4-20 mA powered or active signals from the Ex zone at a load (active or passive) to the safe zone. 3-way galvanic separation, SIL 2 according to IEC 61508, with 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 2865340

Packing unit 1 pc

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GTIN 4046356160353

Weight per Piece (excluding packing) 160.000 g

Custom tariff number 85437090

Country of origin DE (Germany)

Note

Utilization restriction 1

Dimensions

Width 12.5 mm

Height 112.5 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, intrinsically safe

Current input signal 4 mA ... 20 mA

Transmitter supply voltage > 16 V (20 mA)

> 15.3 V (22.5 mA)

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

Polarization and surge protection Yes

Signal input Passive current input, intrinsically safe

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...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / MACX MCR-EX-SL-RPSSI-I with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

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