

INDUSTRIAL COMPONENT DATA

MACX MCR-EX-SL-RPSSI-I-UP 2865793 PHOENIX CONTACT

Power/input isolating amplifier

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



Manufacturer	PHOENIX CONTACT
MPN / Reference	MACX MCR-EX-SL-RPSSI-I-UP
Catalog number	2865793
Category	Isolation amplifier
Minimum order	1 Pcs
Document ID	EO-7AAE42EEE0
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Product Overview

Power/input isolating amplifier

Intrinsically safe input and power signal conditioner with HART transparency. Transmits 0/4 signals ... 20 mA powered or active from the Ex zone to a load (active or passive) in the safe zone. SIL 2 (1001) / SIL 3 (1002), wide range power.

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 2865793

Packing unit 1 pc

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GTIN 4046356324694

Weight per Piece (excluding packing) 185.000 g

Custom tariff number 85437090

Country of origin DE (Germany)

Note

Utilization restriction 1

Dimensions

Width 17.5 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 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)

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)

Output data

Signal output Current output

Voltage output signal 1 V ... 5 V (internal resistance, 250 Ω, 0.1%)

Configurable via DIP switches

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 < 600 Ω (20 mA)

< 525 Ω (22.5 mA)

Output ripple < 20 mVrms

Output behavior in the event of an error 0 mA (Cable break in the input)

≥ 22.5 mA (Cable short-circuit in the input)

Signal output Current output (active and passive...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

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

GLOBAL OFFICES

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