

INDUSTRIAL COMPONENT DATA

MACX MCR-EX-SL-RPSSI-I-SP 2924016 PHOENIX CONTACT

Power/input isolating amplifier

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



Manufacturer	PHOENIX CONTACT
MPN / Reference	MACX MCR-EX-SL-RPSSI-I-SP
Catalog number	2924016
Category	Isolation amplifier
Minimum order	1 Pcs
Document ID	EO-94B3C1B7BD
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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 push-in connection

Ex i repeater power supply and input signal conditioner, HART-transparent. Transmits supplied or active 0/4 ... 20 mA signals from the Ex area to a load (active or passive) in the safe area. 3-way electrical isolation, SIL 2 in accordance with IEC 61508, with Push-in 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

Technical dataProduct propertiesProduct type Repeater power supply

Product family MACX Analog

Application Analog IN

No. of channels 1

Type Ex i signal conditioners with SIL functional safety

Data management status

Article revision 15

Electrical propertiesElectrical isolation 3-way isolation

Electrical isolation between input and output yes

Signal transmission behavior In = Out

Step response (10-90%) < 200 µs (for jump 4 mA ... 20 mA, load 600 Ω)

< 600 µs (for jump 0 mA ... 20 mA, load 600 Ω)

Maximum temperature coefficient < 0.01 %/K

Temperature coefficient, typical < 0.004 %/K

Maximum transmission error < 0.1 % (of final value 20 mA)

Transmission error, typical < 0.05 % (of final value 20 mA)

Reverse polarity protection yes

Electrical isolation

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

Overvoltage category II

Pollution degree 2

Electrical isolation Input/output/power supply IEC/EN 61010-1

Standards/regulations IEC/EN 61010-1

Rated insulation voltage 300 Vrms

Insulation Safe isolation

Electrical isolation Input/output IEC/EN 60079-11

Standards/regulations IEC/EN 60079-11

Rated insulation voltage 265 Vrms

Electrical isolation Input/power supply IEC/EN 60079-11

Standards/regulations IEC/EN 60079-11

Rated insulation voltage 265 Vrms

Electrical isolation Output/supply IEC/EN 60079-7

Standards/regulations IEC/EN 60079-7

Rated insulation voltage 265 Vrms

Supply

Designation Repeater power supply operation

Nominal supply voltage 24 V DC -20 % ... +25 %

Supply voltage range 19.2 V DC

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

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

GLOBAL OFFICES

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