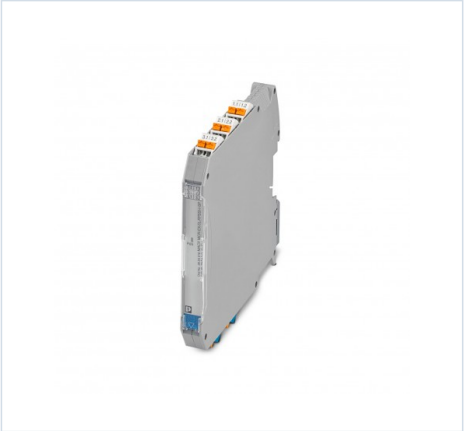
INDUSTRIAL COMPONENT DATA

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-69C1AB1561
Generated	2026-11-18

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