INDUSTRIAL COMPONENT DATA

MACX MCR-SL-2I-2I-ILP-SP 2905281 PHOENIX CONTACT Loop-powered isolators

Brand: PHOENIX CONTACT | Manufacturer Part Number: MACX MCR-SL-2I-2I-ILP-SP



Manufacturer	PHOENIX CONTACT
MPN / Reference	MACX MCR-SL-2I-2I-ILP-SP
Catalog number	2905281
Category	Isolation amplifier
Minimum order	1 Pcs
Document ID	EO-C323EE97B9
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Product Overview

Loop-powered isolators
2-way splitter powered by 2-channel input loop with plug-in connection technology for galvanic separation of analog signals.
Input signal = output signal: 0(4) mA ... 20 mA. Push-in connection technology.
2-channel input loop-powered 2-way isolator with plug-in connection technology for the electrical isolation of analog signals.
Input signal = output signal: 0(4) mA ... 20 mA. Push-in connection technology.

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 Signal conditioner
Product family MACX Analog
No. of channels 2
Type Signal conditioners with SIL functional safety
Data management status
Article revision 04
Insulation characteristics
Overvoltage category II
Pollution degree 2
Electrical propertiesElectrical isolation 2-way isolation
Signal transmission behavior In = Out

Maximum temperature coefficient <= 0.002 %/K (of measured value / 100 ? load)
Transmission error, typical 0.08 % (of final value)
Electrical isolation Input/output/power supply
Rated insulation voltage 300 Vrms
Test voltage 2.5 kV AC (50 Hz, 60 s)
Insulation Safe isolation in accordance with IEC/EN 61010-1
Supply
Supply voltage range loop-powered, no external supply necessary
Input dataSignal: Current
Number of inputs 2
Configurable/programmable no
Max. voltage input signal < 30.5 V
Current input signal 0 mA ... 20 mA
4 mA ... 20 mA
Input voltage limitation 30.5 V
Voltage dissipation 2.9 V (I = 20 mA)
Step response (10-90%) 5 ms (500 ? load)
Additional error, load-dependent 0.022 % (of measured value / 100 ? load)
Response current approx. 50 µA
Output dataSignal: Current
Number of outputs 2
Configurable/programmable no
Max. voltage output signal 27.5 V
Current output signal 0 mA ... 20 mA
4 mA ... 20 mA
Load/output load current output <= 1375 ? (I = 20 mA)
Residual ripple < 10 mVrms(500 ? load)
Connection dataConnection method Push-in connection
Stripping length 8 mm
Conductor cross section rigid 0.2 mm² ... 1.5 m...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / MACX MCR-SL-2I-2I-ILP-SP with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

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