INDUSTRIAL COMPONENT DATA

MACX MCR-EX-AP-IDS-2I-2I-LP 1291963 PHOENIX CONTACT EX i-Output Separation Transmitter separates and transfe..

Brand: PHOENIX CONTACT | Manufacturer Part Number: MACX MCR-EX-AP-IDS-2I-2I-LP



Manufacturer	PHOENIX CONTACT
MPN / Reference	MACX MCR-EX-AP-IDS-2I-2I-LP
Catalog number	1291963
Category	Isolation amplifier
Minimum order	1 Pcs
Document ID	EO-D630040B5B
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Product Overview

EX i-Output Separation Transmitter separates and transfers 0mA/4mA signals... 20 mA with intrinsic safety in the Ex zone. Suitable for fire and gas detectors. With HART transparency, no-load voltage: 25 V, Standard configuration, Loop-powered, 4-way separation, Safety Integrity Level (SIL, IEC 61508): 3, Screw connection
Ex i-Output isolator isolates and transmits 0 mA / 4 mA ... 20 mA signals with intrinsic safety in potentially explosive areas. Suitable for fire and gas detectors. HART-transparent, no-load voltage: 25 V, Standard configuration, Loop-powered, 4-way isolation, Safety Integrity Level (SIL, IEC 61508): 3, 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

Technical dataNotesGeneral Accuracy, typically specified as a percentage of the measuring span (20 mA) at UN, 23°C
General Installation conditions influence the ambient temperature.
Please refer to the operating instructions.
Product propertiesProduct type Output signal conditioner
Product family MACX Analog
No. of channels 2
Electrical propertiesNo. of channels 2
Electrical isolation 4-way isolation
Linearity error <= 0.25 % (at load = 0 ?)
Signal transmission behavior In = Out

Temperature coefficient, typical <= 0.1 % (10 K)
Reverse polarity protection yes
Electrical isolation Input/output IEC/EN 60079-11
Standards/regulations IEC/EN 60079-11
Rated insulation voltage 375 VPP
Electrical isolation Output 1/output 2
Test voltage 350 V (50 Hz, 60 s)
Electrical isolation Input 1 / input 2
Test voltage 500 V (50 Hz, 60 s)
Supply
Supply voltage range loop-powered, no external supply necessary
Power dissipation <= 0.2 W (at 20 mA, per channel)
<= 0.6 W (at 40 mA, per channel)
Input dataSignal: Current
Number of inputs 2
Current input signal 0 mA ... 20 mA
4 mA ... 20 mA (with HART)
0 mA ... 40 mA (Function area)
Voltage drop 1 V (constant)
Output dataSignal: Current
Output description intrinsically safe
Number of outputs 2
Current output signal 0 mA ... 20 mA
4 mA ... 20 mA (with HART)
0 mA ... 40 mA (Function area)
Load/output load current output <= 800 ? (20 mA)
Non-load voltage 25 V
Line fault detection 0 mA (Line break)
<= 1 mA (Input current behavior)
Connection dataCross section A...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / MACX MCR-EX-AP-IDS-2I-2I-LP with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

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