INDUSTRIAL COMPONENT DATA

MACX MCR-EX-AP-RPSS-I-I 1291191 PHOENIX CONTACT Ex i-Input and Power Signal Conditioner powers 2-, 3- and 4-..

Brand: PHOENIX CONTACT | Manufacturer Part Number: MACX MCR-EX-AP-RPSS-I-I



Manufacturer	PHOENIX CONTACT
MPN / Reference	MACX MCR-EX-AP-RPSS-I-I
Catalog number	1291191
Category	Isolation amplifier
Minimum order	1 Pcs
Document ID	EO-3B15CC3649
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Product Overview

Ex i-Input and Power Signal Conditioner powers 2-, 3- and 4-conductor measurement transducers and transfers 1:1 0mA/4mA Ex i input signals from 0 mA/4 mA... 20 mA active or passive as a non-Ex i active output signal. With HART transparency, Standard configuration, 3-way separation, Safety Integrity Level (SIL, IEC 61508): 3, Screw connection
Ex i, The Input and Power Signal Conditioner feeds 2 or 3 conductor measurement transducers and transfers 1:1 0 mA/4 mA Ex i input signals... 20 mA active or passive as a non-Ex i active output signal. With HART Transparency, 3-Way Separation, Safety Integrity Level (SIL, IEC61508): 3, Screw Connection
Ex i-Feed and input signal conditioner feeds 2-, 3- and 4-conductor measuring transducer and transmits 1:1 passive or active 0 mA / 4 mA ... 20 mA Ex i input signals as active non Ex i output signal. HART-transparent, Standard configuration, 3-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 “Control cabinet installation instructions”.
General Output behavior = input signal
Product propertiesProduct type Repeater power supplies
Product family MACX Analog
No. of channels 1

Electrical propertiesNo. of channels 1
Electrical isolation 3-way isolation
Signal transmission behavior In = Out
Temperature coefficient, typical <= 0.05 % (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 Input/power supply IEC/EN 60079-11
Standards/regulations IEC/EN 60079-11
Rated insulation voltage 375 VPP
Electrical isolation Input/error message output IEC/EN 60079-11
Standards/regulations IEC/EN 60079-11
Rated insulation voltage 375 VPP
Electrical isolation Input 1 / input 2 IEC/EN 60079-11
Standards/regulations IEC/EN 60079-11
Rated insulation voltage 375 VPP
Electrical isolation Output/supply
Test voltage 350 V (50 Hz, 60 s)
Electrical isolation Output 1/output 2
Test voltage 350 V (50 Hz, 60 s)
Electrical isolation Output/supply/error message output
Test voltage 350 V (50 Hz, 60 s)
Supply
Nominal supply voltage 24 V DC
Supply voltage range 18 V ... 31.2 V
Power dissipation 2.2 W (RL250 ?)
Power consumption 2.7 W (20 mA)
Input dataSignal: Repeater power supply...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

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

GLOBAL OFFICES

Germany: Lise-Meitner-Straße 13, 89081 Ulm | USA: 16225 Park Ten Pl #500, Houston, TX 77084 | UAE: HDS Business Centre Tower, Cluster M, 33rd Floor, JLT, Dubai

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