INDUSTRIAL COMPONENT DATA

MACX MCR-EX-AP-2REL-2DI-LP-SP 1292332 PHOENIX CONTACT The relay module separates the Ex i and non-Ex i contr..

Brand: PHOENIX CONTACT | Manufacturer Part Number: MACX MCR-EX-AP-2REL-2DI-LP-SP



Manufacturer	PHOENIX CONTACT
MPN / Reference	MACX MCR-EX-AP-2REL-2DI-LP-SP
Catalog number	1292332
Category	Accessories/spare parts for low-voltage switch technology
Minimum order	1 Pcs
Document ID	EO-7156211677
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Product Overview

The relay module separates the Ex i and non-Ex i control and signal circuits and serves for intrinsically safe control of Ex i field current circuits via one inverter relay per channel. Standard configuration, Loop-powered, 4-way separation, Safety Integrity Level (SIL, IEC 61508): 2, Push-in connection
Ex i relay module separates binary Ex i and Non Ex i signal and control circuits and is used for intrinsically safe control of Ex i field circuits via one coupler relay per channel. Standard configuration, loop-powered, 4-way isolation, Safety Integrity Level (SIL, IEC 61508): 2, 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 dataRemarksGeneral Installation conditions affect the ambient temperature.
Please refer to the operating instructions.
Item propertiesProduct Type Relay Module
Product family MACX Analog
Number of channels 2
Electrical propertiesNumber of channels 2
Galvanic isolation 4-way separation
Galvanic isolation input/output IEC/EN 60079-11

Standards/Regulations IEC/EN 60079-11
Rated insulation voltage 375 VSS
Galvanic isolation input 1 / input 2
Test voltage 350 V (50 Hz, 60 s)
Supplies
Supply voltage range loop-powered, no external supply necessary
Power dissipation <= 0.4 W
Input dataTaxes
Description of the entrance Control input, non-intrinsically safe
Input Signal Voltage 12 V ... 31.2 V (switching signal)
Current consumption < 25 mA (12 V)
< 17 mA (24 V ... 31.2 V)
Initial dataSwitching: Relay
Description of the output Intrinsically safe
Contact execution 1 changeover per channel
Switching voltage minimum 1 V (1 mA)
Switching voltage maximum 45 V DC (0.25 A)
30 V DC (4 A)
45 V AC (4 A, cos ? >0.7)
Typical switch-on time <= 10 ms
Typical switch-off time <= 10 ms
Switching frequency <= 15 Hz
Connection dataConductor cross-section AWG (converted to IEC)
Connection type Push-in connection
Stripping length 8 mm
Conductor cross-section rigid 0.2 mm² ... 1.5 mm²
Flexible conductor cross-section 0.2 mm² ... 1.5 mm²
Conductor cross-section AWG 24 ... 16
Ex dataEx installation (EPL) Gc
Ex i circuits (EPL) Ga
Since
Ma
Safety specifications
Input voltage Ui 45 V AC
Input Current Ii....

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

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

GLOBAL OFFICES

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