INDUSTRIAL COMPONENT DATA

MACX MCR-EX-AP-2REL-2DI-LP 1292331 PHOENIX CONTACT The relay module separates the Ex i and non-Ex i control ..

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



Manufacturer	PHOENIX CONTACT
MPN / Reference	MACX MCR-EX-AP-2REL-2DI-LP
Catalog number	1292331
Category	Accessories/spare parts for low-voltage switch technology
Minimum order	1 Pcs
Document ID	EO-08AF84B8A4
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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, 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 The installation conditions influence the ambient temperature.
Please note the operating instructions.
Item PropertiesProduct Type Relay module
Product Family MACX Analog
Number of channels 2
Electrical PropertiesNumber of channels 2
Galvanic Separation 4-Way Separation
Galvanic Separation Input/Output IEC/EN 60079-11
Standards/Specifications IEC/EN 60079-11
Sizing Insulation Voltage 375 VPP
Galvanic Separation Input 1 / Input 2
Test voltage 350 V (50 Hz, 60 sec)
Feeding

Supply voltage Loop-powered, no external power required
Dissipated Power <= 0.4 W
Input dataControl
Ticket Description Control input, not intrinsically safe
Input Signal Voltage 12 V ... 31.2 V (Switching Signal)
Current absorption < 25 mA (12 V)
< 17 mA (24 V ... 31.2 V)
Output DataCommuting: Relay
Description of the output Intrinsic safety
Contact Switching Type 1 switched contact per channel
Minimum Activation Voltage 1 V (1 mA)
Maximum Switching Voltage 45 V DC (0.25 A)
30 V DC (4 A)
45 V AC (4 A, cos ? >0.7)
Typical Connection Time <= 10 ms
Typical Shutdown Time <= 10 ms
Switching frequency <= 15 Hz
Connection dataAWG Conductor Section (Converted according to IEC)
Connection type Screw connection
Length to be de-insulated 7 mm
Screw thread M3
Rigid conductor section 0.2 mm² ... 2.5 mm²
Flexible conductor section 0.2 mm² ... 2.5 mm²
AWG Conductor Section 24 ... 14
Ex DataEx Installation (EPL) Gc
Intrinsically safe circuits (EPL) Ga
Gives
Ma
Technical Safety Data
Input voltage Ui 45...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

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

GLOBAL OFFICES

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