

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
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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 data Taxes

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 data Switching: 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, $\cos \varphi > 0.7$)

Typical switch-on time ≤ 10 ms

Typical switch-off time ≤ 10 ms

Switching frequency ≤ 15 Hz

Connection data Conductor 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 data Ex installation (EPL) Gc

Ex i circuits (EPL) Ga

Since

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Safety specifications

Input voltage U_i 45 V AC

Input Current I_i ...

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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