

**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-B8B4A55288                                             |
| Generated       | 2026-08-05                                                |

## 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  $\leq 0.4$  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  $\leq 10$  ms

Typical switch-off time  $\leq 10$  ms

Switching frequency  $\leq 15$  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 mm<sup>2</sup> ... 1.5 mm<sup>2</sup>

Flexible conductor cross-section 0.2 mm<sup>2</sup> ... 1.5 mm<sup>2</sup>

Conductor cross-section AWG 24 ... 16

Ex data Ex installation (EPL) Gc

Ex i circuits (EPL) Ga

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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](mailto:info@electricaonline.com) or use [electricaonline.com/request-quote](https://electricaonline.com/request-quote).

### GLOBAL OFFICES

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