INDUSTRIAL COMPONENT DATA

MACX MCR-EX-AP-2SD-25-35-LP 1291176 PHOENIX CONTACT Ex i-Valve control block to activate Ex i magnetic valve..

Brand: PHOENIX CONTACT | Manufacturer Part Number: MACX MCR-EX-AP-2SD-25-35-LP



Manufacturer	PHOENIX CONTACT
MPN / Reference	MACX MCR-EX-AP-2SD-25-35-LP
Catalog number	1291176
Category	Isolation amplifier
Minimum order	1 Pcs
Document ID	EO-90534A62C5
Generated	2026-11-19

Product Overview

Ex i-Valve control block to activate Ex i magnetic valves, alarm transmitters or intrinsically safe indicators installed in the Ex zone. Standard configuration, Loop-powered, 4-way separation, Safety Integrity Level (SIL, IEC 61508): 3, Screw connection

Ex i, Valve Control Block for Activating Ex i Magnetic Valves, Alarm Transmitters or Intrinsically Safe Indicators Installed in the Ex Zone. 2 channels, Loop-powered, 4-way separation, Safety Integrity Level (SIL, IEC61508): 3, Screw connection

Ex i-Solenoid driver for intrinsically safe activation of Ex i solenoid valves, alarm transmitters, or displays installed in potentially explosive areas. Standard configuration, Loop-powered, 4-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 Installation conditions influence the ambient temperature.
Please refer to the “Control cabinet installation instructions”.
Product propertiesProduct type Solenoid driver
Product family MACX Analog
No. of channels 2
Electrical propertiesNo. of channels 2

Electrical isolation 4-way isolation
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 Output 1/output 2
Test voltage 500 V (50 Hz, 60 s)
Electrical isolation Input 1 / input 2
Test voltage 350 V (50 Hz, 60 s)
Supply
Supply voltage range loop-powered, no external supply necessary
Power consumption 0.5 W (+ (IAx 37 mW/mA))
Input dataSignal: Digital
Switching level "0" signal 0 V ... 5 V
Switching level "1" signal 18 V ... 31.2 V
Output dataSwitching: Digital
Output description intrinsically safe
Typical response time <= 18 ms
Typical turn-off time <= 50 ms
Switching frequency <= 10 Hz
Connection dataCross section AWG (converted acc. to IEC)
Connection method Screw connection
Stripping length 7 mm
Screw thread M3
Conductor cross section rigid 0.2 mm² ... 2.5 mm²
Conductor cross section flexible 0.2 mm² ... 2.5 mm²
Conductor cross section AWG 24 ... 14
Ex dataEx installation (EPL) Gc
Ex i circuits (EPL) Ga
Da
Ma
Safety data: Highest values per output
Max. internal inductance Li negligible
Max. internal capacitance Ci 1.1 nF
Max. output voltage Uo 27.6 V
Max. output current Io 110 mA...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / MACX MCR-EX-AP-2SD-25-35-LP 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

Catalog-generated document. Product names, marks and specifications belong to their respective owners. Verify safety-critical, compatibility and certification requirements against the manufacturer documentation before purchase or installation.