INDUSTRIAL COMPONENT DATA

# MINI MCR-EX-SD-21-48-LP 2908810 PHOENIX CONTACT Ex i-Valve control block to activate solenoid valves with in..

**Brand: PHOENIX CONTACT | Manufacturer Part Number: MINI MCR-EX-SD-21-48-LP**



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|---|---|
| Manufacturer | PHOENIX CONTACT |
| MPN / Reference | MINI MCR-EX-SD-21-48-LP |
| Catalog number | 2908810 |
| Category | Isolation amplifier |
| Minimum order | 1 Pcs |
| Document ID | EO-9B9209A959 |
| Generated | 2026-11-19 |

## Product Overview

Ex i-Valve control block to activate solenoid valves with intrinsic safety in the Ex zone. no-load voltage: 21 V DC, current limitation: 48 mA, Standard configuration, Loop-powered, Safety Integrity Level (SIL, IEC 61508): 3, Screw connection
Ex i, Valve control block for intrinsically safe solenoid valves in the area Ex. No-load voltage: 21 V, current limiting: 48 mA, Loop-powered, Safety Integrity Level (SIL, IEC61508): 3, Screw connection
Ex i-Solenoid driver for controlling Ex i solenoid valves in the Ex area. no-load voltage: 21 V DC, current limitation: 48 mA, Standard configuration, Loop-powered, 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

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|---|---|
| Catalog path | PHOENIX CONTACT > INTERFACE Components (IF) |

## Additional Product Information

Technical dataProduct propertiesProduct type Solenoid driver
Product family MINI Analog Pro
Electrical propertiesElectrical isolation
Overvoltage category II (<= 5000 m)
Pollution degree 2 (<= 5000 m)
Electrical isolation Input/output IEC/EN 61010-1
Standards/regulations IEC/EN 61010-1
Rated insulation voltage 300 Vrms
Test voltage 2.5 kV AC (50 Hz, 60 s)
Insulation Double/reinforced insulation

Electrical isolation Input/output IEC/EN 60079-11
Standards/regulations IEC/EN 60079-11
Rated insulation voltage 265 Vrms
Electrical isolation Input/output IEC/EN 60079-7
Standards/regulations IEC/EN 60079-7
Rated insulation voltage 251 Vrms
Supply
Supply voltage range loop-powered, no external supply necessary
Power consumption < 1.7 W
Input dataSignal: Voltage
Number of inputs 1
Voltage input signal 19.2 V DC ... 30 V DC (24 V DC, -20 % ... +25 %)
Output dataSignal: Voltage
Number of outputs 1
Output voltage >= 12.2 V DC (48 mA)
Output resistor >= 181 ? (Internal resistance Ri)
Current limitation > 48 mA
Response time < 50 ms
Non-load voltage > 21 V DC
Short-circuit-proof yes
Connection dataCross section AWG (converted acc. to IEC)
Connection method Screw connection
Stripping length 10 mm
Screw thread M3
Conductor cross section rigid 0.2 mm² ... 1.5 mm² (with ferrule)
0.14 mm² ... 2.5 mm² (without ferrule)
Conductor cross section flexible 0.14 mm² ... 2.5 mm²
Conductor cross section AWG 24 ... 12 (flexible)
Tightening torque 0.5 Nm ... 0.6 Nm
Ex dataEx installation (EPL) Gc
Div. 2
Ex i....

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / MINI MCR-EX-SD-21-48-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

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