

## 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



|                 |                         |
|-----------------|-------------------------|
| 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-ADCED147FE           |
| Generated       | 2026-08-05              |

## 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

|              |                                             |
|--------------|---------------------------------------------|
| 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  $\geq 12.2$  V DC (48 mA)  
Output resistor  $\geq 181 \Omega$  (Internal resistance  $R_i$ )  
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 mm<sup>2</sup> ... 1.5 mm<sup>2</sup> (with ferrule)  
0.14 mm<sup>2</sup> ... 2.5 mm<sup>2</sup> (without ferrule)  
Conductor cross section flexible 0.14 mm<sup>2</sup> ... 2.5 mm<sup>2</sup>  
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](mailto:info@electricaonline.com) or use [electricaonline.com/request-quote](https://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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