

## INDUSTRIAL COMPONENT DATA

# MINI MCR-EX-SD-16-50-LP 1157869 PHOENIX CONTACT Ex i-Valve control block to activate solenoid valves with in..

Brand: PHOENIX CONTACT | Manufacturer Part Number: MINI MCR-EX-SD-16-50-LP



|                 |                         |
|-----------------|-------------------------|
| Manufacturer    | PHOENIX CONTACT         |
| MPN / Reference | MINI MCR-EX-SD-16-50-LP |
| Catalog number  | 1157869                 |
| Category        | Isolation amplifier     |
| Minimum order   | 1 Pcs                   |
| Document ID     | EO-69AB38C76F           |
| Generated       | 2026-08-03              |

## Product Overview

Ex i-Valve control block to activate solenoid valves with intrinsic safety in the Ex zone. no-load voltage: 16 V DC, current limitation: 50 mA, Standard configuration, Loop-powered, Safety Integrity Level (SIL, IEC 61508): 3, Screw connection

Ex i, Valve control block for operating intrinsically safe solenoid valves in the Ex. zone No-load voltage: 16 V, current limiting: 50 mA, Loop-powered, Safety Integrity Level (SIL, IEC61508): 3, Screw connection

Ex i-Valve control module for the control of Ex i solenoid valves in the Ex zone. no-load voltage: 16 V DC, current limitation: 50 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 dataArticle featuresProduct Type Valve control module

Product Family MINI Analog Pro

Electrical characteristicsGalvanic isolation

Overvoltage Category II (<= 5000 m)

Degree of pollution 2 (<= 5000 m)

Galvanic Isolation Input/Output IEC/EN 61010-1

Standards/Provisions IEC/EN 61010-1

Rated insulation voltage 300 V<sub>Eff</sub>

Test voltage 2.5 kV AC (50 Hz, 60 s)

isolation Dual/reinforced insulation

Galvanic Isolation Input/Output IEC/EN 60079-11  
Standards/Provisions IEC/EN 60079-11  
Rated insulation voltage 265 V<sub>Eff</sub>  
Galvanic Isolation Input/Output IEC/EN 60079-7  
Standards/Provisions IEC/EN 60079-7  
Rated insulation voltage 251 V<sub>Eff</sub>  
Feeding  
Supply voltage range Self-powered in a loop, no external power supply required  
Input < 1.4 W  
Input DataSignal: Voltage  
Number of inputs 1  
Input signal, voltage 19.2 V DC ... 30 V DC (24 V DC, -20 % ... +25 %)  
Output DataSignal: Voltage  
Number of outputs 1  
Output voltage  $\geq 10.7$  V DC (50 mA)  
Output Resistor  $\geq 103 \Omega$  (internal resistance  $R_{the}$ )  
Current limiting > 50 mA  
Response time < 50 ms  
No-load voltage > 16 V DC  
Resistant to short circuits Yes  
Connection dataConductor cross-section AWG (converted according to IEC)  
Link Screw connection  
Stripping length 10 mm  
Thread M3  
Rigid conductor cross-section 0.2 mm<sup>2</sup> ... 1.5 mm<sup>2</sup> (with lug)  
0.14 mm<sup>2</sup> ... 2.5 mm<sup>2</sup> (without lug)  
Flexible conductor cross-section 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 Cir...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / MINI MCR-EX-SD-16-50-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

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