

## INDUSTRIAL COMPONENT DATA

# MINI MCR-EX-SD-21-48-LFD-PT 1175884 PHOENIX CONTACT

## Ex i-Valve control block to activate solenoid valves wit..

Brand: PHOENIX CONTACT | Manufacturer Part Number: MINI MCR-EX-SD-21-48-LFD-PT



|                 |                             |
|-----------------|-----------------------------|
| Manufacturer    | PHOENIX CONTACT             |
| MPN / Reference | MINI MCR-EX-SD-21-48-LFD-PT |
| Catalog number  | 1175884                     |
| Category        | Isolation amplifier         |
| Minimum order   | 1 Pcs                       |
| Document ID     | EO-F7CD501B31               |
| Generated       | 2026-08-04                  |

### 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, Line fault detection, Safety Integrity Level (SIL, IEC 61508): 3, Push-in connection

Ex i, Valve control block for intrinsically safe solenoid valve activation in the area Ex. No-load voltage: 21 V, current limiting: 48 mA, Line fault detection, Safety Integrity Level (SIL, IEC61508): 3, Push-in 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, Line fault detection, Safety Integrity Level (SIL, IEC 61508): 3, 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 dataProduct propertiesProduct type Solenoid driver

Product family MINI Analog Pro

Electrical propertiesLine monitoring Line fault detection

Electrical isolation

Overvoltage category II (<= 5000 m)

Pollution degree 2 (<= 5000 m)

Electrical isolation Input/power supply IEC/EN 61010-1

Standards/regulations IEC/EN 61010-1

Rated insulation voltage 250 Vrms

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

Insulation Double/reinforced insulation  
Electrical isolation Output/power supply, input 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 Output/input, power supply IEC/EN 60079-11  
Standards/regulations IEC/EN 60079-11  
Rated insulation voltage 265 Vrms  
Electrical isolation Output/input, power supply IEC/EN 60079-7  
Standards/regulations IEC/EN 60079-7  
Rated insulation voltage 251 Vrms  
Supply  
Nominal supply voltage 24 V DC  
Supply voltage range 19.2 V DC ... 30 V DC (24 V DC, -20 % ... +25 %)  
Power consumption < 1.7 W  
Input dataSignal: Logic  
Number of inputs 1  
Switching level "0" signal 0 V DC ... 5 V DC  
Switching level "1" signal 15 V DC ... 30 V DC  
Input current < 3 mA  
Input impedance > 1 M $\Omega$  (high-resistance in the event of a line fault at the output)  
Line fault detection < 25  $\Omega$  (Short circuit)  
> 10 k $\Omega$  (Line break)  
Output dataSignal: Error message output  
Type of output signal Transistor output via T-BUS  
Signal: Voltage  
Output description intrinsically s...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

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