INDUSTRIAL COMPONENT DATA

MINI MCR-EX-SD-21-48-LFD 1175877 PHOENIX CONTACT Ex i-Valve control block to activate solenoid valves with i..

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



Manufacturer	PHOENIX CONTACT
MPN / Reference	MINI MCR-EX-SD-21-48-LFD
Catalog number	1175877
Category	Isolation amplifier
Minimum order	1 Pcs
Document ID	EO-B55294F97D
Generated	2026-11-18

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, Screw connection
Ex i, Valve control block for operating intrinsically safe solenoid valves in the zone Ex. No-load voltage: 21 V, current limiting: 48 mA, Line fault detection, 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, Line fault detection, 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 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? (high-resistance in the event of a line fault at the output)
Line fault detection < 25 ? (Short circuit)
> 10 k? (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 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.