INDUSTRIAL COMPONENT DATA

MINI MCR-EX-SD-20-25-LP 1157867 PHOENIX CONTACT Ex i-Valve control block to activate solenoid valves with in..

Brand: PHOENIX CONTACT | Manufacturer Part Number: MINI MCR-EX-SD-20-25-LP



Manufacturer	PHOENIX CONTACT
MPN / Reference	MINI MCR-EX-SD-20-25-LP
Catalog number	1157867
Category	Isolation amplifier
Minimum order	1 Pcs
Document ID	EO-29A906019A
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: 20 V DC, current limitation: 25 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: 20 V, current limiting: 25 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: 20 V DC, current limitation: 25 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 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 >= 9.6 V DC (25 mA)
Output resistor >= 413 ? (Internal resistance Ri)
Current limitation > 25 mA
Response time < 50 ms
Non-load voltage > 20 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 cir...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / MINI MCR-EX-SD-20-25-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

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.