INDUSTRIAL COMPONENT DATA

MINI MCR-EX-SD-16-50-LP-PT 1157870 PHOENIX CONTACT Ex i, Valve control block for operating intrinsically saf..

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



Manufacturer	PHOENIX CONTACT
MPN / Reference	MINI MCR-EX-SD-16-50-LP-PT
Catalog number	1157870
Category	Isolation amplifier
Minimum order	1 Pcs
Document ID	EO-D4EE109D00
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Product Overview

Ex i, Valve control block for operating intrinsically safe solenoid valves in the area Ex. No-load voltage: 16 V, current limiting: 50 mA, Loop-powered, Safety Integrity Level (SIL, IEC61508): 3, Push-in connection
Ex i-Valve control block for intrinsically safe solenoid valves in the Ex. zone No-load voltage: 16 V DC, current limiting: 50 mA, Standard configuration, Loop-powered, 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 dataItem PropertiesProduct Type Valve Control Block
Product Family MINI Analog Pro
Electrical PropertiesGalvanic Separation
Surge Category II (<= 5000 m)
Degree of pollution 2 (<= 5000 m)
Galvanic Separation Input/Output IEC/EN 61010-1
Standards/Specifications IEC/EN 61010-1
Sizing Insulation Voltage 300 VEff
Test voltage 2.5 kV AC (50 Hz, 60 sec)
Isolation Double/reinforced insulation
Galvanic Separation Input/Output IEC/EN 60079-11
Standards/Specifications IEC/EN 60079-11

Sizing Insulation Voltage 265 VEff
Galvanic Separation I/O I/O IEC/EN 60079-7
Standards/Specifications IEC/EN 60079-7
Sizing Insulation Voltage 251 VEff
Feeding
Supply voltage Loop-powered, no external power required
Power Consumption < 1.4 W
Input dataSignal: Voltage
Number of Entries 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 >= 10.7 V DC (50 mA)
Output Resistance >= 103 ? (Inner Resistance Ri)
Current Limitation > 50 mA
Reaction Time < 50 ms
Open-circuit voltage > 16 V DC
Short circuit resistant Yes
Connection dataAWG Conductor Section (Converted according to IEC)
Connection type Push-in connection
Length to be de-insulated 10 mm
Rigid conductor section 0.2 mm² ... 2.5 mm² (with toe cap)
0.14 mm² ... 2.5 mm² (without toe)
Flexible conductor section 0.14 mm² ... 2.5 mm²
AWG Conductor Section 24 ... 12 (flexible)
Ex DataEx Installation (EPL) Gc
Div. 2
Intrinsically safe circuits (EPL) Ga
Gives
Ma
Div. 1
Technic...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / MINI MCR-EX-SD-16-50-LP-PT with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

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