INDUSTRIAL COMPONENT DATA

MINI MCR-EX-IDS-I-I 2908805 PHOENIX CONTACT MINI Analog Signal Conditioner SIL 2

Brand: PHOENIX CONTACT | Manufacturer Part Number: MINI MCR-EX-IDS-I-I



Manufacturer	PHOENIX CONTACT
MPN / Reference	MINI MCR-EX-IDS-I-I
Catalog number	2908805
Category	Isolation amplifier
Minimum order	1 Pcs
Document ID	EO-43D454FDA6
Generated	2026-11-19

Product Overview

MINI Analog Signal Conditioner SIL 2
Ex i-Output Signal Conditioner for Separating and Transferring 0mA/4mA Signals... 20 mA from the control system to an intrinsically safe load in the Ex zone. With HART transparency, no-load voltage: 27 V DC, Standard configuration, Safety Integrity Level (SIL, IEC 61508): 3, Screw connection
Ex i-Output signal conditioner for isolating and transmitting 0 mA / 4 mA ... 20 mA signals from the controller to an intrinsically safe load in the Ex area. HART-transparent, no-load voltage: 27 V DC, Standard configuration, 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 Output signal conditioner
Product family MINI Analog Pro
Configuration DIP switches
Data management status
Article revision 03
System propertiesFunctionality
Configuration DIP switches
Electrical propertiesSignal transmission behavior In = Out
Step response (10-90%) <= 10 ms

Maximum temperature coefficient <= 0.01 %
Maximum transmission error 0.1 %
Electrical isolation
Overvoltage category II (<= 5000 m)
Pollution degree 2 (<= 5000 m)
Electrical isolation Input/output/power supply 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 253 Vrms
Electrical isolation Input/output/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
Power consumption <= 1.2 W
Input dataSignal: Current
Number of inputs 1
Current input signal 0 mA ... 20 mA
4 mA ... 20 mA (SIL)
Input current <= 30 mA
Voltage drop < 3.5 V DC (20 mA)
Output dataSignal: Current
Output description intrinsically safe
Number of outputs 1
Current output signal 0 mA ... 20 mA
4 mA ... 20 mA (SIL)
Load/output load current output <= 700 ? (20 mA)
<= 630 ? (21 mA)
Output ripple 20 mV (rms)
Non-load voltage <= 27 V DC
Short-circuit-pro...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / MINI MCR-EX-IDS-I-I with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

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