INDUSTRIAL COMPONENT DATA

MINI MCR-EX-RPSS-I-I 2908803 PHOENIX CONTACT MINI Analog Signal Conditioner SIL 2

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



Manufacturer	PHOENIX CONTACT
MPN / Reference	MINI MCR-EX-RPSS-I-I
Catalog number	2908803
Category	Isolation amplifier
Minimum order	1 Pcs
Document ID	EO-C8B6D1F167
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Product Overview

MINI Analog Signal Conditioner SIL 2
Ex i-Input and Power Signal Conditioner transmits 0mA/4mA signals... 20 mA powered or active from the Ex zone at a load to the safe zone. With HART transparency, no-load voltage: 15 V DC, Standard configuration, Line fault detection, Safety Integrity Level (SIL, IEC 61508): 3, Screw connection
Ex i-Repeater power supply and input signal conditioner transmits supplied or active 0 mA/4 mA ... 20 mA signals from the Ex area to a load in the safe area.. HART-transparent, no-load voltage: 15 V DC, 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 Repeater power supply
Product family MINI Analog Pro
Application Analog IN
Type Ex i signal conditioners with SIL functional safety
Data management status
Article revision 03
Electrical propertiesLine monitoring Line fault detection
Signal transmission behavior In = Out
Step response (10-90%) <= 10 ms

Maximum temperature coefficient <= 0.01 %
Maximum transmission error <= 0.1 %
Reverse polarity protection yes
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 Input/output, 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 <= 1.4 W
Input dataSignal: Repeater power supply operation
Description of the input Active current input, intrinsically safe
Current input signal 4 mA ... 20 mA
Transmitter supply voltage > 16 V (20 mA)
> 15.75 V (21 mA)
Signal: Signal conditioner operation
Description of the input Passive current input, intrinsically safe
Current input signal 4 mA ... 20 mA
0 mA ... 20 mA
Volta...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

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

GLOBAL OFFICES

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