

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
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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 $\leq 0.01\%$
Maximum transmission error $\leq 0.1\%$
Reverse polarity protection yes
Electrical isolation
Overvoltage category II ($\leq 5000\text{ m}$)
Pollution degree 2 ($\leq 5000\text{ m}$)
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 $\leq 1.4\text{ W}$
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 $> 16\text{ V}$ (20 mA)
 $> 15.75\text{ V}$ (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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