INDUSTRIAL COMPONENT DATA

MACX MCR-SL-RPSS-2I-2I 2904089 PHOENIX CONTACT Signal isolator

Brand: PHOENIX CONTACT | Manufacturer Part Number: MACX MCR-SL-RPSS-2I-2I



Manufacturer	PHOENIX CONTACT
MPN / Reference	MACX MCR-SL-RPSS-2I-2I
Catalog number	2904089
Category	Isolation amplifier
Minimum order	1 Pcs
Document ID	EO-A25141EEB1
Generated	2026-11-19

Product Overview

Signal isolator
2-channel power signal conditioner for the operation of 2-conductor measurement transducers, input: 4... 20 mA (power), output: 4... 20 mA (active), bidirectional transmission with digital HART transparency, with screw connection, SIL, PL.

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

Key Commercial Data
Orderkey 2904089
Packing unit 1 pc
Note Made to Order (non-returnable)
Catalog page Page 123 (C-5-2017)
GTIN 4046356772792
Weight per Piece (excluding packing) 140.000 g
Custom tariff number 85437090
Country of origin DE (Germany)
Note
Utilization restriction EMC: class A product, see manufacturer's declaration in the download area
Dimensions
Width 12.5 mm

Height 112.5 mm
Depth 114.5 mm
Ambient conditions
Ambient temperature (operation) -20 °C ... 60 °C (Any mounting position)
Ambient temperature (storage/transport) -40 °C ... 85 °C
Maximum altitude <= 2000 m
Permissible humidity (operation) 10 % ... 95 % (non-condensing)
Noise immunity EN 61000-6-2
Input data
Current input signal 4 mA ... 20 mA
Transmitter supply voltage > 16 V (at 20 mA)
Underload/overload signal range 0 mA ... 24 mA
Output data
Signal output Current output
Current output signal 4 mA ... 20 mA (active)
Transmission Behavior 1:1 to input signal
Load/output load current output <= 450 ? (20 mA)
<= 375 ? (24 mA)
Output behavior in the event of an error < 3.6 mA (In the event of cable break at the input (as per NE 43))
> 22.5 mA (In the event of cable short circuit at the input (as per NE 43))
Power supply
Nominal supply voltage 24 V DC
Supply voltage range 19.2 V DC ... 30 V DC (24 V DC -20%...+25%)
Max. current consumption < 100 mA (24 V / 20 mA)
Power dissipation < 1.4 W (at 24 V DC / 20 mA)
Connection data
Conductor cross section solid min. 0.2 mm²
Conductor cross section solid max. 2.5 mm²...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / MACX MCR-SL-RPSS-2I-2I with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

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.