INDUSTRIAL COMPONENT DATA

MACX MCR-EX-SL-RPSS-2I-2I-SP 2924676 PHOENIX CONTACT Signal isolator

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



Manufacturer	PHOENIX CONTACT
MPN / Reference	MACX MCR-EX-SL-RPSS-2I-2I-SP
Catalog number	2924676
Category	Isolation amplifier
Minimum order	1 Pcs
Document ID	EO-84C43AAB6A
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Product Overview

Signal isolator
Power signal conditioner for intrinsically safe power transducer, 2 channels, transparent HART. It powers intrinsically safe 2-conductor power transducers and transmits the signal of 4 ... 20 mA from the Ex zone to the safe zone. 5-way galvanic separation; push-in connection, up to SIL 3, 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 2924676
Packing unit 1 pc
Catalog page Page 142 (C-5-2017)
GTIN 4046356665483
Weight per Piece (excluding packing) 163.800 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 99 mm
Depth 114.5 mm
Ambient conditions
Ambient temperature (operation) -20 °C ... 60 °C (Any mounting position)
Ambient temperature (storage/transport) -40 °C ... 80 °C
Maximum altitude <= 2000 m
Permissible humidity (operation) 10 % ... 95 % (non-condensing)
Noise immunity EN 61000-6-2 When being exposed to interference, there may be minimal deviations.
Input data
Signal input Intrinsically safe
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...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

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

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