INDUSTRIAL COMPONENT DATA

MACX MCR-EX-SL-RPSSI-I-UP 2865793 PHOENIX CONTACT Power/input isolating amplifier

Brand: PHOENIX CONTACT | Manufacturer Part Number: MACX MCR-EX-SL-RPSSI-I-UP



Manufacturer	PHOENIX CONTACT
MPN / Reference	MACX MCR-EX-SL-RPSSI-I-UP
Catalog number	2865793
Category	Isolation amplifier
Minimum order	1 Pcs
Document ID	EO-4A9D8185CD
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Product Overview

Power/input isolating amplifier
Intrinsically safe input and power signal conditioner with HART transparency. Transmits 0/4 signals ... 20 mA powered or active from the Ex zone to a load (active or passive) in the safe zone. SIL 2 (1oo1) / SIL 3 (1oo2), wide range power.

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 2865793
Packing unit 1 pc
Catalog page Page 143 (C-5-2017)
GTIN 4046356324694
Weight per Piece (excluding packing) 185.000 g
Custom tariff number 85437090
Country of origin DE (Germany)
Note
Utilization restriction 1
Dimensions
Width 17.5 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 Active current input, intrinsically safe
Current input signal 4 mA ... 20 mA
Transmitter supply voltage > 16 V (20 mA)
> 15.3 V (22.5 mA)
Signal input Passive current input, intrinsically safe
Current input signal 0 mA ... 20 mA
4 mA ... 20 mA
Voltage drop < 3.5 V (in input isolating amplifier operation)
Output data
Signal output Current output
Voltage output signal 1 V ... 5 V (internal resistance, 250 ?, 0.1%)
Configurable via DIP switches
Current output signal 4 mA ... 20 mA (active)
4 mA ... 20 mA (14 ... 26 V ext. source voltage)
Transmission Behavior 1:1 to input signal
Load/output load current output < 600 ? (20 mA)
< 525 ? (22.5 mA)
Output ripple < 20 mVrms
Output behavior in the event of an error 0 mA (Cable break in the input)
>= 22.5 mA (Cable short-circuit in the input)
Signal output Current output (active and passive...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

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

GLOBAL OFFICES

Germany: Lise-Meitner-Straße 13, 89081 Ulm | USA: 16225 Park Ten Pl #500, Houston, TX 77084 | UAE: HDS Business Centre Tower, Cluster M, 33rd Floor, JLT, Dubai

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