

INDUSTRIAL COMPONENT DATA

MACX MCR-SL-RPSSI-I-UP 2865968 PHOENIX CONTACT

Repeater power supply

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



Manufacturer	PHOENIX CONTACT
MPN / Reference	MACX MCR-SL-RPSSI-I-UP
Catalog number	2865968
Category	Isolation amplifier
Minimum order	1 Pcs
Document ID	EO-32FCD19BD5
Generated	2026-08-04

Product Overview

Repeater power supply

Power signal conditioner for powering 2 and 3 conductor transmitters with HART transparency and wide power range, SIL 2 (1oo1)/SIL 3 (1oo2), 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

Key Commercial Data

Orderkey 2865968

Packing unit 1 pc

Catalog page Page 122 (C-5-2017)

GTIN 4046356448321

Weight per Piece (excluding packing) 150.500 g

Custom tariff number 85437090

Country of origin DE (Germany)

Note

Utilization restriction 1

Dimensions

Width 17.5 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

Signal input Repeater power supply operation

Current input signal 4 mA ... 20 mA

Transmitter supply voltage > 16 V (20 mA)

> 15.3 V (22.5 mA)

Signal input Signal conditioner operation

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 Repeater power supply operation

Voltage output signal 1 V ... 5 V (internal resistance, 250 Ω, 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 Ω (20 mA)

< 525 Ω (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 Signal conditioner operation

Voltage output signal 0 V ... 5 V (internal resistance, 250 Ω, 0.1%)

1 V

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / MACX MCR-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 PI #500, Houston, TX 77084 | UAE: HDS Business Centre Tower, Cluster M, 33rd Floor, JLT, Dubai

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.