

INDUSTRIAL COMPONENT DATA

MINI MCR-2-U-U 2902042 PHOENIX CONTACT Signal conditioner

Brand: PHOENIX CONTACT | Manufacturer Part Number: MINI MCR-2-U-U



Manufacturer	PHOENIX CONTACT
MPN / Reference	MINI MCR-2-U-U
Catalog number	2902042
Category	Isolation amplifier
Minimum order	1 Pcs
Document ID	EO-2A686C7F3B
Generated	2026-08-03

Product Overview

Signal conditioner

3-way separation amplifier with plug-in connection for galvanic separation of single-pole and bipolar analog signals. Input Signal: 0 ... 10 V/±10 V, output signal: 0 ... 10 V/±10 V, screw connection technology

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 2902042

Packing unit 1 pc

Catalog page Page 74 (C-5-2017)

GTIN 4046356652070

Weight per Piece (excluding packing) 104.200 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 6.2 mm

Height 110.5 mm

Depth 120.5 mm

Ambient conditions

Ambient temperature (operation) -40 °C ... 70 °C

Ambient temperature (storage/transport) -40 °C ... 85 °C

Permissible humidity (operation) 5 % ... 95 % (non-condensing)

Input data

Number of inputs 1

Configurable/programmable no

Voltage input signal 0 V ... 10 V

-10 V ... 10 V

2 V ... 10 V

Input resistance of voltage input approx. 1 M Ω

Input resistance current input approx. 63 μ A (+ 0.7 V for test diode)

Output data

Number of outputs 1

Configurable/programmable no

Voltage output signal 0 V ... 10 V

-10 V ... 10 V

Max. output voltage 11 V

Short-circuit current < 15 mA

Load/output load voltage output $\geq$ 10 k Ω

Ripple < 20 mVPP(at 10 k Ω)

Transmission Behavior 1:1 to input signal

Power supply

Nominal supply voltage 24 V DC

Supply voltage range 9.6 V DC ... 30 V DC (The DIN rail bus connector (ME 6,2 TBUS-2 1,5/5-ST-3,81 GN, Order No. 2869728) can be used to bridge the supply voltage. It can be snapped onto a 35 mm DIN rail according to EN 60715))

Typical current consumption 25 mA (24 V DC)

54 mA (12 V DC)

Power consumption $\leq$ 200 mW (at 9.6 V DC)

Connection data

Connection method Screw connection

Sin...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / MINI MCR-2-U-U 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

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.