INDUSTRIAL COMPONENT DATA

MINI MCR-2-UI-UI 2902037 PHOENIX CONTACT 3-way signal conditioner with plug-in connection technology and cal..

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



Manufacturer	PHOENIX CONTACT
MPN / Reference	MINI MCR-2-UI-UI
Catalog number	2902037
Category	Isolation amplifier
Minimum order	1 Pcs
Document ID	EO-CB747C9440
Generated	2026-11-19

Product Overview

3-way signal conditioner with plug-in connection technology and calibrated measuring range changeover for the electrical isolation of unipolar and bipolar analog signals. Input/output configurable via DIP switch. Screw connection technology, standard configuration.
3-way separation amplifier with plug-in connection technology and calibrated measurement range change for galvanic separation of single-pole and bipolar analogue signals. Input/output configurable via DIP switch. Screw connection technology, standard configuration.

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

Product description
The 3-way signal conditioner with plug-in connection technology and calibrated measuring range changeover can be configured using DIP switches and is used for the electrical isolation, conversion, amplification, and filtering of unipolar and bipolar standard and normalized signals. On the input side, the standard analog signals 0 ... 20 mA, 4 ... 20 mA, 0 ... 10 V, 0 ... 5 V, 1 ... 5 V or -10 ... 10 V, and signals2 ... 10 V, 0 ... 20 V, 4 ... 20 V, 0 ... 24 V, 0 ... 30 V, -5 ... 5 V, -20 ... 20 V, -24 ... 24 V, -30 ... 30 V and -20 ... 20 mA are available. On the output side, 0 ... 20 mA, 4 ... 20 mA, 0 ... 10 V, 0 ... 5 V, 1 ... 5 V, -10 ... 10 V and -5 ... 5 V are possible. There is no need for adjustment following a measuring range changeover. The measuring transducer supports fault monitoring and NFC communication.
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
Degree of protection IP20
Input data
Number of inputs 1
Configurable/programmable Yes
Voltage input signal 0 V ... 5 V (via DIP switch)
1 V ... 5 V (via DIP switch)
-5 V ... 5 V (via DIP switch)
0 V ... 10 V (via DIP switch)
2 V ... 10 V (via DIP switch)
-10 V ... 10 V (via DIP switch)
0 V ... 20 V (via DIP switch)
4 V ... 20 V (via DIP switch)
-20 V ... 20 V (via DIP switch)
0 V ... 24 V (via DIP switch)
4.8 V ... 24 V (via DIP switch)
-24 V ... 24 V (via DIP swi...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / MINI MCR-2-UI-UI 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.