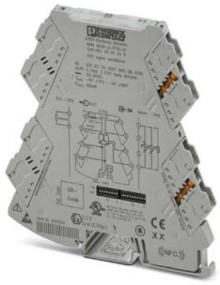
INDUSTRIAL COMPONENT DATA

MINI MCR-2-RTD-UI 2902049 PHOENIX CONTACT Resistance thermometer measuring transducer

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



Manufacturer	PHOENIX CONTACT
MPN / Reference	MINI MCR-2-RTD-UI
Catalog number	2902049
Category	Temperature transformer
Minimum order	1 Pcs
Document ID	EO-29930A2743
Generated	2026-11-18

Product Overview

Resistance thermometer measuring transducer
Configurable temperature converter with plug-in connection technology for the connection of 2, 3, 4 conductor resistance heaters and transmitters. Configurable via DIP switch or software. 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

Key Commercial Data
Orderkey 2902049
Packing unit 1 pc
Catalog page Page 80 (C-5-2017)
GTIN 4046356649759
Weight per Piece (excluding packing) 110.000 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
Input data
Configurable/programmable Yes
Sensor types (RTD) that can be used Pt, Ni, Cu sensors
Linear resistance measuring range 0 ? ... 4000 ? (Minimum measuring span: 10% of the selected measuring range)
Sensor input current approx. 200 µA
Temperature measuring range -200 °C ... 850 °C (Range depends on sensor type, range can be set freely via software or in increments from -150°C to 850°C via DIP switches)
Connection technology 2, 3, 4-wire
Output data
Number of outputs 1
Configurable/programmable Yes
Voltage output signal 0 V ... 5 V (via DIP switch)
1 V ... 5 V (via DIP switch)
0 V ... 10 V (via DIP switch)
10 V ... 0 V (via DIP switch)
0 V ... 10.5 V (can be set via software)
Current output signal 0 mA ... 20 mA (via DIP switch)
4 mA ... 20 mA (via DIP switch)
20 mA ... 0 mA (via DIP switch)
20 mA ... 4 mA (via DIP switch)
0 mA ... 21 mA (can be set via software)
Max. output voltage approx. 12.3 V
Max. output current 24.6 mA
Short-circuit current < 31.5 mA
Load/output load voltage...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

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