

INDUSTRIAL COMPONENT DATA

MACX MCR-SL-UI-REL 2906169 PHOENIX CONTACT Limit value switch with input for active current and voltage sign..

Brand: PHOENIX CONTACT | Manufacturer Part Number: MACX MCR-SL-UI-REL



Manufacturer	PHOENIX CONTACT
MPN / Reference	MACX MCR-SL-UI-REL
Catalog number	2906169
Category	Isolation amplifier
Minimum order	1 Pcs
Document ID	EO-3B66E0C8CD
Generated	2026-07-29

Product Overview

Limit value switch with input for active current and voltage signals and a limit-value relay output (changeover contact). Can be set via DIP switch and potentiometer, galvanic 3-way electrical isolation, up to SIL2 (SC3), PLc Cat.1, screw connection. Limit value switch with input for active voltage and current signals and a limit value relay output (switched contact). Adjustable with DIP switch and potentiometer, 3-way galvanic separation, up to SIL2 (SC3), PLc cat.1, 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 2906169

Packing unit 1

Catalog page Page 140 (C-5-2019)

GTIN 4055626043760

Custom tariff number 85437090

Drawings

Ambient conditions

Output data

General

Environmental Product Compliance

Dimensions

Input data

Power supply

Standards and Regulations

Classifications

Drawings

Block diagram

Pictogram

Back to topDimensions

Width 12.5 mm

Height 99 mm

Depth 114.5 mm

Back to topAmbient conditions

Ambient temperature (operation) -20 °C ... 65 °C (Any mounting position)

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

Maximum altitude ≤ 2000 m

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

Noise immunity EN 61000-6-2 When being exposed to interference, there may be minimal deviations.

Back to topInput data

Voltage input signal 0.1 V ... 10 V

Current input signal 0.2 mA ... 20 mA

0.18 mA ... 21 mA (Maximum range)

Input resistance of voltage input > 100 k Ω

Input resistance current input < 28 Ω

Switching hysteresis off: approx. 0.5 %, on: approx. 1 %

Line fault detection Break U

Short circuit $U > 10.8$ V, $I > 21.1$ mA

Back to topOutput data

Output name Relay output

Contact type 1 PDT

Contact material AgSnO₂, hard gold-plated

Max. switching current ≤ 4 A AC ($\cos \phi = 1$)

≤ 1 A DC (ohmic load, 24 V DC, 50 mW)

≤ 0.2 A DC (ohmic load, 120 V DC)

Mechanical service life ≤ 107 cycles

Back to topPower supply

Nominal supply voltage 24 V DC

Supply voltage range 9.6 V DC ... 30 V DC (12 V DC ... 24 V DC (-20 % ... +25 %))

Typical current consumption 3...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / MACX MCR-SL-UI-REL 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.