

**INDUSTRIAL COMPONENT DATA**

# MACX MCR-EX-SL-UI-REL 2906164 PHOENIX CONTACT Limit value switch with Ex i input for active current and volt..

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



|                 |                       |
|-----------------|-----------------------|
| Manufacturer    | PHOENIX CONTACT       |
| MPN / Reference | MACX MCR-EX-SL-UI-REL |
| Catalog number  | 2906164               |
| Category        | Isolation amplifier   |
| Minimum order   | 1 Pcs                 |
| Document ID     | EO-3BC10249FC         |
| Generated       | 2026-07-31            |

## Product Overview

Limit value switch with Ex i 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 intrinsically safe input for active voltage and current signals and a limit value relay output (switched contacts). 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 &gt; INTERFACE Components (IF)

## Additional Product Information

Key Commercial Data

Orderkey 2906164

Packing unit 1

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GTIN 4055626043173

Custom tariff number 85437090

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Width 12.5 mm

Height 99 mm

Depth 114.5 mm

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

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

Maximum altitude  $\leq 2000$  m

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

Degree of protection IP20

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

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Signal input Intrinsically safe

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 $\Omega$

Input resistance current input  $< 28$   $\Omega$

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

Line fault detection Break U

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

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Output name Relay output

Contact type 1 PDT

Contact material AgSnO<sub>2</sub>, hard gold-plated

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

$\leq 1$  A DC (ohmic load, 24 V DC, 50 mW)

$\leq 0.2$  A DC (ohmic load, 120 V DC)

Mechanical service life  $\leq 10^7$  cycles

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Nominal supply voltage 24 V DC

Supply....

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / MACX MCR-EX-SL-UI-REL with the required quantity to [info@electricaonline.com](mailto:info@electricaonline.com) or use [electricaonline.com/request-quote](https://electricaonline.com/request-quote).

### GLOBAL OFFICES

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