INDUSTRIAL COMPONENT DATA

MACX MCR-SL-UI-REL-SP 2906170 PHOENIX CONTACT Limit value switch with input for active current and voltage s..

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



Manufacturer	PHOENIX CONTACT
MPN / Reference	MACX MCR-SL-UI-REL-SP
Catalog number	2906170
Category	Isolation amplifier
Minimum order	1 Pcs
Document ID	EO-AD541DA02C
Generated	2026-11-18

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, Push-in 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, push-in 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 2906170
Packing unit 1
Catalog page Page 140 (C-5-2019)
GTIN 4055626043906
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?
Input resistance current input < 28 ?
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 <= 107cycles
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-SP 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.