INDUSTRIAL COMPONENT DATA

MACX MCR-EX-SL-UI-REL-SP 2906165 PHOENIX CONTACT Limit value switch with Ex i input for active current and v..

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



Manufacturer	PHOENIX CONTACT
MPN / Reference	MACX MCR-EX-SL-UI-REL-SP
Catalog number	2906165
Category	Isolation amplifier
Minimum order	1 Pcs
Document ID	EO-D228F80312
Generated	2026-11-18

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, Push-in connection.
Limit value switch with intrinsically safe 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 2906165
Packing unit 1
Catalog page Page 168 (C-5-2019)
GTIN 4055626043739
Custom tariff number 85437090
Drawings
Ambient conditions
Output data
Connection data

General
Standards and Regulations
Classifications
Dimensions
Input data
Power supply
Connection data 2
Safety data
Environmental Product Compliance
Drawings
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)
Degree of protection IP20
Noise immunity EN 61000-6-2 When being exposed to interference, there may be minimal deviations.
Back to topInput data
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?
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....

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / MACX MCR-EX-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

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