INDUSTRIAL COMPONENT DATA

MACX MCR-EX-SL-SD-23-48-LFD-SP 2924870 PHOENIX CONTACT Signal isolator

Brand: PHOENIX CONTACT | Manufacturer Part Number: MACX MCR-EX-SL-SD-23-48-LFD-SP



Manufacturer	PHOENIX CONTACT
MPN / Reference	MACX MCR-EX-SL-SD-23-48-LFD-SP
Catalog number	2924870
Category	Isolation amplifier
Minimum order	1 Pcs
Document ID	EO-F5481DD5F8
Generated	2026-11-19

Product Overview

Signal isolator
Ex i valve control block for activating Ex i magnetic valves in the Ex zone, logic input, idle voltage 22.6 V, current limitation to 48 mA, line defect transparency and with error signalling output, up to SIL 3 according to IEC 61508; 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 2924870
Packing unit 1 pc
Note Made to Order (non-returnable)
Catalog page Page 159 (C-5-2017)
GTIN 4046356635004
Weight per Piece (excluding packing) 152.500 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 12.5 mm

Height 116 mm
Depth 114.5 mm
Ambient conditions
Ambient temperature (operation) -20 °C ... 60 °C (Any mounting position)
Ambient temperature (storage/transport) -40 °C ... 80 °C
Maximum altitude <= 2000 m
Permissible humidity (operation) 10 % ... 95 % (non-condensing)
Noise immunity EN 61000-6-2 When being exposed to interference, there may be minimal deviations.
Degree of protection IP20
Input data
Signal input Signal input
Output data
Output characteristic curve: Output resistor >= 269 ? (Internal resistance Ri)
Response time < 30 ms
Power supply
Nominal supply voltage 24 V DC
Supply voltage range 19.2 V DC ... 30 V DC (24 V DC -20%...+25%)
Power dissipation < 1.8 W
Connection data
Conductor cross section solid min. 0.2 mm²
Conductor cross section solid max. 1.5 mm²
Conductor cross section flexible min. 0.2 mm²
Conductor cross section flexible max. 1.5 mm²
Conductor cross section AWG min. 24
Conductor cross section AWG max. 16
Stripping length 8 mm
Connection method Push-in connection
General
Status display Green LED (supply voltage)
LED yellow (switching state)
Red LED (line errors)
Flammability rating...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / MACX MCR-EX-SL-SD-23-48-LFD-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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