INDUSTRIAL COMPONENT DATA

PSR-MC50-3NO-1DO-24DC-SC 2700553 PHOENIX CONTACT Safety relays

Brand: PHOENIX CONTACT | Manufacturer Part Number: PSR-MC50-3NO-1DO-24DC-SC



Manufacturer	PHOENIX CONTACT
MPN / Reference	PSR-MC50-3NO-1DO-24DC-SC
Catalog number	2700553
Category	Device for monitoring of safety-related circuits
Minimum order	1 Pcs
Document ID	EO-F345076959
Generated	2026-11-19

Product Overview

Safety relays
Safety relay for monitoring antivalent signal emitters up to SIL3, cat.4, PLe, 2-channel service, antivalent, monitored start, automatic or manual, 3 electrical activation circuits, US=24VDC, pluggable screw connection terminal

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 > Safety

Additional Product Information

Key Commercial Data
Orderkey 2700553
Packing unit 1 pc
Catalog page Page 256 (C-6-2017)
GTIN 4046356912747
Weight per Piece (excluding packing) 176.300 g
Custom tariff number 85371098
Country of origin DE (Germany)
Note
Utilization restriction 1
Dimensions
Width 12.5 mm
Height 112.2 mm

Depth 114.5 mm
Ambient conditions
Ambient temperature (operation) -40 °C ... 55 °C (observe derating)
Ambient temperature (storage/transport) -40 °C ... 85 °C
Max. permissible relative humidity (operation) 75 % (on average, 85% infrequently, non-condensing)
Max. permissible humidity (storage/transport) 75 % (on average, 85% infrequently, non-condensing)
Maximum altitude <= 2000 m (Above sea level)
Power supply
Rated control circuit supply voltage US 24 V DC -15 % / +10 %
20.4 V DC ... 26.4 V DC
Rated control supply current IS typ. 80 mA
Power consumption at US typ. 1.92 W
Inrush current 5 A (?t = 200 µs at Us)
Filter time 1 ms (at A1 in the event of voltage dips at Us)
Protective circuit Surge protection Suppressor diode
Protection against polarity reversal for rated control circuit supply voltage
Digital inputs
Input voltage range "0" signal 0 V DC ... 5 V DC (for safe Off; at S12)
Input current range "0" signal 0 mA ... 2 mA (for safe Off; at S12)
Inrush current < 20 mA (with Us/Ixto S12)
< 200 mA (with Us/Ixto S34)
< 5 mA (with Us/Ixto S13)
Current consumption < 5 mA (with Us/Ixto S12)
< 10 mA (with Us/Ixto S34)
> -5 mA (with Us/Ixto S34)
< 5 mA (with Us/Ixto S13)
Filter time max. 1.5 ms (at...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / PSR-MC50-3NO-1DO-24DC-SC 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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