

**INDUSTRIAL COMPONENT DATA**

# PSR-MS50-1NO-1DO-24DC-SC 2904956 PHOENIX CONTACT

## Safety relays

Brand: PHOENIX CONTACT | Manufacturer Part Number: PSR-MS50-1NO-1DO-24DC-SC



|                 |                                                  |
|-----------------|--------------------------------------------------|
| Manufacturer    | PHOENIX CONTACT                                  |
| MPN / Reference | PSR-MS50-1NO-1DO-24DC-SC                         |
| Catalog number  | 2904956                                          |
| Category        | Device for monitoring of safety-related circuits |
| Minimum order   | 1 Pcs                                            |
| Document ID     | EO-E9211CBF54                                    |
| Generated       | 2026-08-06                                       |

## Product Overview

### Safety relays

Safety relay for monitoring the antivalent signal emitter up to SIL3, cat.4, PLe, 2-channel service, antivalent, automatic start, 1 activation electrical circuit, US=24VDC, fixed spring terminal block

**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 2904956

Packing unit 1 pc

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GTIN 4046356904063

Weight per Piece (excluding packing) 69.000 g

Custom tariff number 85371098

Country of origin DE (Germany)

Note

Utilization restriction 1

Dimensions

Width 6.8 mm

Height 93.1 mm

Depth 102.5 mm

Ambient conditions

Ambient temperature (operation) -40 °C ... 60 °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. 42 mA

Power consumption at US typ. 1 W

Inrush current 4.5 A (?t s)

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)

< 10 mA (with Us/Ixat the start circuit)

< 20 mA (with Us/Ixto S13)

Current consumption < 5 mA (with Us/Ixto S12)

< 5 mA (with Us/Ixto S13)

< 10 mA (with Us/Ixat the start circuit)

Filter time max. 1.5 ms (at S12, S13; test....)

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / PSR-MS50-1NO-1DO-24DC-SC 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

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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