

**INDUSTRIAL COMPONENT DATA**

# PSR-MC31-2SDO-1DO-24DC-SP 1015503 PHOENIX CONTACT

## Safety relay module for safety shut-off mats, switching st..

Brand: PHOENIX CONTACT | Manufacturer Part Number: PSR-MC31-2SDO-1DO-24DC-SP



|                 |                                                  |
|-----------------|--------------------------------------------------|
| Manufacturer    | PHOENIX CONTACT                                  |
| MPN / Reference | PSR-MC31-2SDO-1DO-24DC-SP                        |
| Catalog number  | 1015503                                          |
| Category        | Device for monitoring of safety-related circuits |
| Minimum order   | 1 Pcs                                            |
| Document ID     | EO-8E90439EB5                                    |
| Generated       | 2026-08-06                                       |

### Product Overview

Safety relay module for safety shut-off mats, switching strips, emergency stop, safety doors, and light grids up to SILCL 3, Cat. 4, PL e, 1 or 2-channel operation, automatic or manual start, 2 safe HL outputs, 1 signal output, U

Safety switching device for safety mats, switching buses, emergency stops, safety gates, light curtains up to SIL 3, cat. 4, PL e, single-channel or dual-channel mode, manual or automatic start, 2 safe HL outputs, 1 signal output, US = 24 V DC, plug-in push-in 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 &gt; Safety

### Additional Product Information

Key Commercial Data

Orderkey 1015503

Packing unit 1

GTIN 4055626496467

Custom tariff number 85371098

Drawings

Dimensions

Power supply

Digital outputs

Times

Connection capacity

Standards and Regulations

Classifications

Note

Ambient conditions

Digital inputs

Alarm outputs

General

Safety-related characteristic data

Environmental Product Compliance

Drawings

Block diagram

Circuit diagram

Back to top

Utilization restriction EMC: class A product, see manufacturer's declaration in the download area

Back to top

Dimensions

Width 12.5 mm

Height 116.6 mm

Depth 114.5 mm

Back to top

Ambient conditions

Ambient temperature (operation) -40 °C ... 70 °C (observe derating)

Ambient temperature (storage/transport) -40 °C ... 70 °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)

Back to top

Power supply

Designation A1/A2

Rated control circuit supply voltage US 24 V DC -20 % / +25 % (provide external protection)

Rated control supply current IS typ. 54 mA (No load)

Power consumption at US typ. 1.3 W

Inrush current < 5 A (?t = 200 µs at Us)

Filter time 1 ms (For the logic. At A1 in the event of voltage dips at Us)

Protective circuit Parallel protection against polarity reversal Suppressor diode Provide external protection, see safety

notes. Fuse type: 5 A FF

Back to top

Digital inputs

Input name Sensor circuit...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / PSR-MC31-2SDO-1DO-24DC-SP 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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