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**



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|---|---|
| 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-7458381392 |
| Generated | 2026-11-19 |

## 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

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|---|---|
| Catalog path | PHOENIX CONTACT > 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 topNote
Utilization restriction EMC: class A product, see manufacturer's declaration in the download area
Back to topDimensions
Width 12.5 mm
Height 116.6 mm
Depth 114.5 mm
Back to topAmbient 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 topPower 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 topDigital 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 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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