INDUSTRIAL COMPONENT DATA

# PSR-MC20-3NO-1DO-24DC-SP 2700467 PHOENIX CONTACT Safety relays

**Brand: PHOENIX CONTACT | Manufacturer Part Number: PSR-MC20-3NO-1DO-24DC-SP**



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|---|---|
| Manufacturer | PHOENIX CONTACT |
| MPN / Reference | PSR-MC20-3NO-1DO-24DC-SP |
| Catalog number | 2700467 |
| Category | Device for monitoring of safety-related circuits |
| Minimum order | 1 Pcs |
| Document ID | EO-726F5D33F3 |
| Generated | 2026-11-19 |

## Product Overview

Safety relays
Safety relay for emergency stop/safety doors up to SIL 1, cat. 1, PL c, depending on the application up to SIL 3, cat. 4, PL e, 1-channel service, automatic or manual start, 3 trip circuits, 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 2700467
Packing unit 1 pc
Catalog page Page 252 (C-6-2017)
GTIN 4046356912754
Weight per Piece (excluding packing) 140.400 g
Custom tariff number 85371098
Country of origin DE (Germany)
Note
Utilization restriction 1
Dimensions
Width 12.5 mm
Height 116.6 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 < 21 mA (with Us/Ixto S12)
< 200 mA (with Us/Ixto S34)
Current consumption < 5 mA (with Us/Ixto S12)
< 10 mA (with Us/Ixto S34)
> -5 mA (with Us/Ixto S34)
Filter time max. 1.5 ms (at S12; test pulse width)
min. 7.5 ms (at S12; test pu...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / PSR-MC20-3NO-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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