

INDUSTRIAL COMPONENT DATA

PSR-MC20-3NO-1DO-24DC-SC 2700466 PHOENIX CONTACT

Safety relays

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



Manufacturer	PHOENIX CONTACT
MPN / Reference	PSR-MC20-3NO-1DO-24DC-SC
Catalog number	2700466
Category	Device for monitoring of safety-related circuits
Minimum order	1 Pcs
Document ID	EO-7CCB205A76
Generated	2026-08-06

Product Overview

Safety relays

Safety relay for emergency stop/guard doors up to SIL1, cat.1, PLc, depending on the application up to SIL3, cat.4, PLe, 1-channel service, monitored start, automatic or manual, 3 electrical activation circuits, US=24VDC, plug-in screw 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 2700466

Packing unit 1 pc

Catalog page Page 252 (C-6-2017)

GTIN 4046356912730

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 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 ($\tau = 200 \mu\text{s}$ 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-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

Catalog-generated document. Product names, marks and specifications belong to their respective owners. Verify safety-critical, compatibility and certification requirements against the manufacturer documentation before purchase or installation.