INDUSTRIAL COMPONENT DATA

PSR-PC20-1NO-1NC-24DC-SP 2700578 PHOENIX CONTACT Coupling relay

Brand: PHOENIX CONTACT | Manufacturer Part Number: PSR-PC20-1NO-1NC-24DC-SP



Manufacturer	PHOENIX CONTACT
MPN / Reference	PSR-PC20-1NO-1NC-24DC-SP
Catalog number	2700578
Category	Device for monitoring of safety-related circuits
Minimum order	1 Pcs
Document ID	EO-161BD7FD45
Generated	2026-11-18

Product Overview

Coupling relay
SIL 3 coupling relay for high and low demand applications, couples digital output signals to the periphery, 1 trip circuit, 1 feedback circuit, 1 digital signal output, Safe-State-Off applications, test pulse filter, TBUS connection, plug-in push-in terminal block
Coupling relay for SIL 3 high- and low-demand applications, couples digital output signals to the periphery, 1 enabling current path, 1 confirmation current path, 1 digital signal output, safe state off applications, test pulse filter, TBUS connection, pluggable 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 > Safety

Additional Product Information

Technical dataNotesNote on application
Note on application Only for industrial use
Utilization restriction
CCCex note Use in potentially explosive areas is not permitted in China.
Product propertiesProduct type Coupling relay
Product family PSRmini
Application Safe switch off
High demand
Low demand

Ex
Relay type Electromechanical relay with force-guided contacts in accordance with IEC/EN 61810-3
Data management status
Article revision 07
Times
Typ. starting time with Us < 100 ms (with Uswhen controlled via A1)
Typical release time < 35 ms (when controlled via A1)
Recovery time 500 ms
Electrical propertiesMaximum power dissipation for nominal condition 3.43 W (IL^2 = 36 A^2)
Nominal operating mode 100% operating factor
Air clearances and creepage distances between the power circuits
Rated insulation voltage 250 V AC
Rated surge voltage/insulation Safe isolation, 6 kV reinforced insulation from control circuit, start circuit, confirmation current path, signal output to the enabling current path; 4 kV/basic insulation between all current paths and housing
Supply
Designation A1/A2
Rated control circuit supply voltage US 20.4 V DC ... 26.4 V DC
Rated control circuit supply voltage US 24 V DC -15 % / +10 %
Rated control supply current IS typ. 50 mA
Power consumption at US typ. 1.2 W
Inrush current typ. 400 mA (?t s)
Filter time max. 2 ms (at A1-A2; test pulse width)
>= 100 ms (at A1-A2; test pulse rate)
Protective circuit Serial protection against polarity reversal; Suppressor diode....

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / PSR-PC20-1NO-1NC-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

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.