

INDUSTRIAL COMPONENT DATA

PSR-PC20-1NO-1NC-24DC-SC 2700577 PHOENIX CONTACT

Coupling relay

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



Manufacturer	PHOENIX CONTACT
MPN / Reference	PSR-PC20-1NO-1NC-24DC-SC
Catalog number	2700577
Category	Device for monitoring of safety-related circuits
Minimum order	1 Pcs
Document ID	EO-86E39247AA
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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 acknowledgment circuit, 1 digital warning output, Safe-State-Off applications, test pulse filter, TBUS connection, plug-in screw 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, plug-in screw 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
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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 $U_s < 100$ ms (with U_s when controlled via A1)

Typical release time < 35 ms (when controlled via A1)

Recovery time 500 ms

Electrical properties Maximum power dissipation for nominal condition 3.43 W ($I_L^2 = 36$ A²)

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 U_S 20.4 V DC ... 26.4 V DC

Rated control circuit supply voltage U_S 24 V DC -15 % / +10 %

Rated control supply current I_S typ. 50 mA

Power consumption at U_S 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-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

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