

INDUSTRIAL COMPONENT DATA

PSR-PC50-1NO-1DO-24DC-SP 2904665 PHOENIX CONTACT

Coupling relay

Brand: PHOENIX CONTACT | Manufacturer Part Number: PSR-PC50-1NO-1DO-24DC-SP



Manufacturer	PHOENIX CONTACT
MPN / Reference	PSR-PC50-1NO-1DO-24DC-SP
Catalog number	2904665
Category	Device for monitoring of safety-related circuits
Minimum order	1 Pcs
Document ID	EO-AA9931A286
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Product Overview

Coupling relay

Coupling relay for low demand SIL 3 applications, couples digital output signals to the periphery, 1 trip circuit, module for F&G applications, test pulse filter, width: 17.5 mm, 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

Catalog path	PHOENIX CONTACT > Safety
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Additional Product Information

Key Commercial Data

Orderkey 2904665

Packing unit 1 pc

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GTIN 4046356919920

Weight per Piece (excluding packing) 212.400 g

Custom tariff number 85364900

Country of origin DE (Germany)

Note

Utilization restriction EMC: class A product, see manufacturer's declaration in the download area

Dimensions

Width 17.5 mm

Height 117.4 mm

Depth 114.5 mm

Ambient conditions

Ambient temperature (operation) -20 °C ... 55 °C

Ambient temperature (storage/transport) -40 °C ... 65 °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 % (A1/A2)

20.4 V DC ... 26.4 V DC

Rated control supply current IS typ. 65 mA (A1/A2)

Inrush current ≤ 200 mA (A1/A2)

Filter time < 2 ms (Test pulse duration)

≥ 100 ms (Test pulse rate)

Diagnostic supply voltage UD 24 V DC -15 % / +10 % (24V/A2)

Input current at UD typ. 15 mA (24V/A2; depending on load M1 +100 mA)

Inrush current at UD 2.5 A (24V/A2; for 10 µs)

Protective circuit Overload protection Suppressor diode

Digital inputs

Number of inputs 3 (Test point for proof test)

Inrush current 200 mA (Inputs TP1, TP2 and TP3)

Current consumption typ. 20 mA (Input TP1)

typ. 18 mA (Input TP2)

typ. 35 mA (Input TP3)

Relay outputs: enabling current path

Output name Enabling current pat...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / PSR-PC50-1NO-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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