INDUSTRIAL COMPONENT DATA

# PSR-PC51-1NO-1NC-24DC-SC 2702522 PHOENIX CONTACT Coupling relay

**Brand: PHOENIX CONTACT | Manufacturer Part Number: PSR-PC51-1NO-1NC-24DC-SC**



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|---|---|
| Manufacturer | PHOENIX CONTACT |
| MPN / Reference | PSR-PC51-1NO-1NC-24DC-SC |
| Catalog number | 2702522 |
| Category | Device for monitoring of safety-related circuits |
| Minimum order | 1 Pcs |
| Document ID | EO-1794EE9DE3 |
| Generated | 2026-11-18 |

## Product Overview

Coupling relay
Coupling relay for galvanic separation and power matching for SIL 3 F&G applications, low demand, load diagnostics in the Off and On state on cable break and short circuit, 1 trip circuit, test pulse filter, plug-in screw terminal, width 17.5 mm

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 2702522
Packing unit 1 pc
GTIN 4055626283388
Weight per Piece (excluding packing) 147.480 g
Custom tariff number 85364190
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 112.2 mm
Depth 114.5 mm

Ambient conditions
Ambient temperature (operation) -25 °C ... 60 °C (observe derating)
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)
Air pressure (operation) 79 kPa ... 106 kPa
Air pressure (storage/transport) 79 kPa ... 106 kPa
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. 75 mA
Power consumption at US typ. 2 W (at US/UD; On state)
Inrush current max. 100 mA
Filter time 2 ms (at A1-A2 in the event of voltage dips at Us)
max. 2 ms (at A1-A2; low test pulse width)
>= 100 ms (at A1-A2; low test pulse rate)
max. 17 ms (at A1-A2; high test pulse width)
>= 800 ms (at A1-A2; high test pulse rate)
Diagnostic supply voltage UD 24 V DC -20 % / +25 %
Input current at UD 35 mA (at UD= 24 V)
45 mA (at UD= 19 V)
25 mA (at UD= 30 V)
Inrush current at UD 1.5 A (?t
Power consumption at UD typ. 0.9 W (at UD; Off state)
Prot...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / PSR-PC51-1NO-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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