

**INDUSTRIAL COMPONENT DATA**

# PSR-PLC21-2CO-24DC-SC 1480226 PHOENIX CONTACT

## Secure coupling relay with forced guide contacts, galvanic sep..

Brand: PHOENIX CONTACT | Manufacturer Part Number: PSR-PLC21-2CO-24DC-SC



|                 |                       |
|-----------------|-----------------------|
| Manufacturer    | PHOENIX CONTACT       |
| MPN / Reference | PSR-PLC21-2CO-24DC-SC |
| Catalog number  | 1480226               |
| Category        | Switching relay       |
| Minimum order   | 10 Pcs                |
| Document ID     | EO-EE4E48B92F         |
| Generated       | 2026-08-01            |

### Product Overview

Secure coupling relay with forced guide contacts, galvanic separation, 2 switched contacts, 1 channel, fixed screw terminal, width: 14 mm

Coupling Relays

Safe coupling relay with force-guided contacts, electrically isolated, 2 changeover contacts, 1-channel, fixed screw terminal block, width: 14 mm

**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 dataProduct propertiesProduct type Coupling relay

Product family PLC-INTERFACE

Application Forcibly guided contacts

Mechanical service life approx. 107cycles

Relay type Electromechanical relay in accordance with IEC/EN 61810

Insulation characteristics: Air clearances and creepage distances between the power circuits

Overvoltage category III

Pollution degree 2

Times

Typ. starting time with  $U_s < 70$  ms (when controlled via A1)

Typical release time  $< 50$  ms (on demand via A1)

Recovery time 500 ms (following demand of the safety function)

Electrical properties Maximum power dissipation for nominal condition 4.825 W ( $U_B = 30$  V,  $U_S = 24$  V,  $I_S = 30$  mA,  $IL^2 = 37$  A,  $R_{contact} = 0.1$  ?)

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 Basic insulation 4 kV between all current paths and housing

Safe isolation, reinforced insulation 6 kV between 250 V load current paths and 24 V logic paths

Supply

Designation A1/A2

Rated control circuit supply voltage  $U_S 21.6$  V DC ... 28.8 V DC

Rated control circuit supply voltage  $U_S 24$  V DC  $-10\%$  /  $+20\%$

Rated control supply current  $I_S 30$  mA

Inrush current typ. 100 mA ( $\tau = 10$  ms at  $U_s$ )

Filter time 1 ms (Test pulse width, high test pulse and low test pulse)

1 s (Test pulse rate, high test pulse and low test pulse)

Power consumption at UD 650 mW (to  $U_S$ )

Protective circuit Serial protection against polarity reversal; Suppressor d...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / PSR-PLC21-2CO-24DC-SC with the required quantity to [info@electricaonline.com](mailto:info@electricaonline.com) or use [electricaonline.com/request-quote](https://electricaonline.com/request-quote).

### GLOBAL OFFICES

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