

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
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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, $R_{contact} = 0.1 \text{ } \Omega$)

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 ($t = 10$ 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 or use electricaonline.com/request-quote.

GLOBAL OFFICES

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