

INDUSTRIAL COMPONENT DATA

PSR-SPP- 24UC/URM/3X1/3X2 2981842 PHOENIX CONTACT

Coupling relay

Brand: PHOENIX CONTACT | Manufacturer Part Number: PSR-SPP-24UC/URM/3X1/3X2



Manufacturer	PHOENIX CONTACT
MPN / Reference	PSR-SPP-24UC/URM/3X1/3X2
Catalog number	2981842
Category	Device for monitoring of safety-related circuits
Minimum order	1 Pcs
Document ID	EO-B1D6442EB2
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Product Overview

Coupling relay

Safe coupling relay with forced-conduction contacts, 3 NO contacts, 3 NC contacts, width: 22.5 mm, plug-in push-in terminal block

Safe coupling relay with force-guided contacts, 3 N/O contacts, 3 N/C contacts, width: 22.5 mm, pluggable 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

Technical dataNotesNote on application

Note on application Only for industrial use

Product propertiesProduct type Coupling relay

Product family PSRclassic

Application Safe switch off

High demand

Low demand

Mechanical service life 10x 10⁶cycles

Relay type Electromechanical relay with force-guided contacts in accordance with IEC/EN 61810-3

Data management status

Article revision 06

Times

Restart time < 1 s (Boot time)

Electrical properties Maximum power dissipation for nominal condition 6.11 W (at $U_B = 26.4$ V DC, $U_S = 24$ V, $I_S = 45$ mA, $n = 1$, $I_L^2 = 48$ A², $R_{\text{contact}} = 0.1$?)

Nominal operating mode 100% operating factor

Air clearances and creepage distances between the power circuits

Rated insulation voltage 250 V

250 V

Rated surge voltage/insulation 4 kV / Basic isolation, (safe isolation, reinforced insulation and 6 kV between input circuit and enabling current paths.)

Supply

Rated control circuit supply voltage U_S 20.4 V AC/DC ... 26.4 V AC/DC

Input data General

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

Power consumption at U_S typ. 1.08 W

Rated control supply current I_S typ. 45 mA

Input voltage range 20.4 V AC/DC ... 26.4 V AC/DC

Inrush current typ. 350 mA DC ($t = 2$ s)

typ. 350 mA AC ($t = 2$ ms at U_S)

Typ. starting time with U_S typ. 15 ms (when controlled via A1)

Typical release time typ. 15 ms (when controlled via A1)

Recovery time < 500 ms

Maximum switching frequency 0.5 Hz

Protective circuit Surge protection; Suppressor diode

Operating voltage display 1 x gree...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / PSR-SPP-24UC/URM/3X1/3X2 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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