

## INDUSTRIAL COMPONENT DATA

# PSR-SCP- 24UC/ESAM4/3X1/1X2/B 2900509 PHOENIX CONTACT Safety relays

Brand: PHOENIX CONTACT | Manufacturer Part Number: PSR-SCP-24UC/ESAM4/3X1/1X2/B



|                 |                                                  |
|-----------------|--------------------------------------------------|
| Manufacturer    | PHOENIX CONTACT                                  |
| MPN / Reference | PSR-SCP-24UC/ESAM4/3X1/1X2/B                     |
| Catalog number  | 2900509                                          |
| Category        | Device for monitoring of safety-related circuits |
| Minimum order   | 1 Pcs                                            |
| Document ID     | EO-8471D40328                                    |
| Generated       | 2026-08-05                                       |

## Product Overview

### Safety relays

Safety relay for emergency stop control and safety doors up to SIL 3 or category 4, PL e according to EN ISO 13849, two-channel operation, 3 trip circuits, nominal input voltage 24 V DC, plug-in screw terminal block

Safety relay for emergency stop and safety door monitoring up to SIL 3 or Cat. 4, PL e in accordance with EN ISO 13849, 2-channel operation, 3 enabling current paths, nominal input voltage: 24 V DC, plug-in screw 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 &gt; Safety

## Additional Product Information

Technical dataNotesNote on application

Note on application Only for industrial use

Product propertiesProduct type Safety relays

Product family PSRclassic

Application Emergency stop

Safety door

Mechanical service life approx. 107cycles

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

Data management status

Article revision 06

Electrical propertiesMaximum power dissipation for nominal condition 16.44 W (US= 26.4 V,  $IL^2 = 72 A^2$ ,  $P_{Total max} = 2.04$

W + 14.4 W)

Nominal operating mode 100% operating factor

Air clearances and creepage distances between the power circuits

Rated insulation voltage 250 V

Rated surge voltage/insulation See section "Insulation coordination"

Input dataGeneral

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

Power consumption at US typ. 1.68 W (DC)

Rated control supply current IS typ. 70 mA

Input voltage range in reference to UN 0.85 ... 1.1

Typical input current at UN 70 mA DC (at Us)

Inrush current < 3.5 A (?t = 3 ms at Us)

< 100 mA (?t = 500 ms, with Us/Ixat S12)

> -100 mA (?t = 300 ms, with Us/Ixat S22)

< 6 mA (with Us/Ixto S34)

< 6 mA (with Us/Ixto S35)

Current consumption typ. 38 mA (S12)

typ. -38 mA (S22)

typ. 0 mA (with Us/Ixto S34)

typ. 1 mA (with Us/Ixto S35)

Voltage at input/start and feedback circuit approx. 24 V DC

Filter time 5 ms (at A1 in the event of voltage dips at Us)

No test pulses permitted

Typical response time 100 ms (Monitored/manual start)

150 ms (automatic start)

Typ. star...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / PSR-SCP-24UC/ESAM4/3X1/1X2/B 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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