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-4157C542CF
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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 > 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, I_L^2 = 72 A^2, PTotal 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 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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