

INDUSTRIAL COMPONENT DATA

PSR-SPP- 24UC/ESA2/4X1/1X2/B 2963954 PHOENIX CONTACT

Safety relays

Brand: PHOENIX CONTACT | Manufacturer Part Number: PSR-SPP-24UC/ESA2/4X1/1X2/B



Manufacturer	PHOENIX CONTACT
MPN / Reference	PSR-SPP-24UC/ESA2/4X1/1X2/B
Catalog number	2963954
Category	Device for monitoring of safety-related circuits
Minimum order	1 Pcs
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Product Overview

Safety relays

Safety relay for emergency stop and safety door up to SIL 1, category 1, PL c, depending on the application up to SIL 3, category 4, PL e, single-channel operation, 4 enabling circuits, US = 24 V DC, plug-in 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

Key Commercial Data

Orderkey 2963954

Packing unit 1 pc

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GTIN 4017918904821

Weight per Piece (excluding packing) 194.380 g

Custom tariff number 85371098

Country of origin DE (Germany)

Note

Utilization restriction EMC: class A product, see manufacturer's declaration in the download area

Dimensions

Width 22.5 mm

Height 112 mm

Depth 114.5 mm

Ambient conditions

Ambient temperature (operation) -20 °C ... 65 °C (observe derating)

Ambient temperature (storage/transport) -40 °C ... 70 °C

Max. permissible relative humidity (operation) 75 % (on average, 85% infrequently, non-condensing)

Max. permissible humidity (storage/transport) 75 % (on average, 85% infrequently, non-condensing)

Maximum altitude ≤ 2000 m (Above sea level)

Input data

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

Rated control supply current IS typ. 140 mA AC

typ. 65 mA DC

Power consumption at US typ. 3.36 W (AC)

typ. 1.56 W (DC)

Inrush current 2 A ($\tau = 10$ ms at U_s)

< 40 mA (with U_s/I_{xt0} S34)

Current consumption < 50 mA (with U_s/I_{xt0} S12)

0 mA (with U_s/I_{xt0} S34)

Voltage at input/start and feedback circuit 24 V DC -15 % / +10 %

Typical response time < 65 ms (automatic start)

< 40 ms (manual start)

Typ. starting time with U_s < 65 ms (when controlled via A1)

Typical release time < 45 ms (when controlled via S12)

< 200 ms (when controlled via A1)

Recovery time < 1 s

Operating voltage display 1 x green LED

Status display 2 x green LEDs

Protective circuit Surge protection...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / PSR-SPP-24UC/ESA2/4X1/1X2/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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