

**INDUSTRIAL COMPONENT DATA**

# PSR-SPP-230AC/ESAM2/3X1/1X2/B 2901431 PHOENIX CONTACT Safety relays

Brand: PHOENIX CONTACT | Manufacturer Part Number: PSR-SPP-230AC/ESAM2/3X1/1X2/B



|                 |                                                  |
|-----------------|--------------------------------------------------|
| Manufacturer    | PHOENIX CONTACT                                  |
| MPN / Reference | PSR-SPP-230AC/ESAM2/3X1/1X2/B                    |
| Catalog number  | 2901431                                          |
| Category        | Device for monitoring of safety-related circuits |
| Minimum order   | 1 Pcs                                            |
| Document ID     | EO-8FEEE3A88B                                    |
| Generated       | 2026-08-05                                       |

## Product Overview

### Safety relays

Safety relay for emergency stop and safety doors up to SIL 1, SIL CL 1, cat. 1, PL c, depending on the application up to SIL 3, SIL CL 3, cat. 4, PL e, single-channel operation, 3 trip circuits, nominal input voltage 230 V AC/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 &gt; Safety

## Additional Product Information

### Key Commercial Data

Orderkey 2901431

Packing unit 1 pc

Catalog page Page 260 (C-6-2017)

GTIN 4046356592178

Weight per Piece (excluding packing) 99.900 g

Custom tariff number 85371098

Country of origin DE (Germany)

### Note

Utilization restriction 1

### Dimensions

Width 22.5 mm

Height 112 mm

Depth 114.5 mm

Ambient conditions

Ambient temperature (operation) -25 °C ... 55 °C

Ambient temperature (storage/transport) -40 °C ... 85 °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

Nominal input voltage UN 230 V AC

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

Typical input current at UN 22 mA

Voltage at input/start and feedback circuit ~ 24 V DC

Typical response time 50 ms (manual start)

300 ms (automatic start)

Typ. starting time with Us 300 ms (when controlled via A1 or S11/S12)

Typical release time 20 ms (when controlled via S11/S12)

150 ms (when controlled via A1)

Recovery time 1 s

Operating voltage display Green LED

Status display 2 x green LEDs

Protective circuit Surge protection Suppressor diode

Surge protection Varistor

Maximum switching frequency 0.5 Hz

Max. permissible overall conductor resistance 50 Ω

Output data

Contact type 3 enabling current paths

1 signaling current path

Contact material AgSnO<sub>2</sub>, gold-flashed

Maximum switching vo...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / PSR-SPP-230AC/ESAM2/3X1/1X2/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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