INDUSTRIAL COMPONENT DATA

PSR-SPP- 24DC/ESP4/2X1/1X2 2981017 PHOENIX CONTACT Safety relays

Brand: PHOENIX CONTACT | Manufacturer Part Number: PSR-SPP-24DC/ESP4/2X1/1X2



Manufacturer	PHOENIX CONTACT
MPN / Reference	PSR-SPP-24DC/ESP4/2X1/1X2
Catalog number	2981017
Category	Device for monitoring of safety-related circuits
Minimum order	1 Pcs
Document ID	EO-0DEDDBBA62
Generated	2026-11-18

Product Overview

Safety relays
Safety relay for SIL 3 high- and low-demand applications, also approved according to EN 50156, Germanischer Lloyd and EN ISO 13849, emergency stop and safety door monitoring, single-channel, 2 trip circuits, 1 warning contact, width: 22.5 mm, plug-in push-in terminal block
Safety relay for SIL 3 high-demand and low-demand applications, also approved in accordance with EN 50156, DNV, and EN ISO 13849, emergency stop and safety door monitoring, 1-channel, 2 enabling current paths, 1 signal contact, 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

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
Process technology
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 08
Times
Typical response time typ. 60 ms (For Usmanual, monitored start)
60 ms (For Usautostart)
Typ. starting time with Us 60 ms (At Us/on demand via A1)
Typical release time typ. 20 ms (At Us/on demand via A1)
Restart time < 1 s (Boot time)
Recovery time >= 1 s (following demand of the safety function)
Electrical propertiesMaximum power dissipation for nominal condition 16.12 W (At US= 26.4 V, IL^2 = 72 A^2, PTotal max= 1.72 W + 14.4 W)
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 See section “Insulation coordination”
Input dataDigital: Logic (A1)
Description of the input safety-related
Number of inputs 1
Input voltage range "1" signal 20.4 V ... 26.4 V
Inrush current max. 1 A (typ. with US, ?t =
Filter time max. 3 ms (Test pulse width of low test pulses)
min. 200 ms (Test pulse rate for low test pulse)
No brightness test pulses / high test pulses permitted.
Max. permissible overall conductor resistance 50 ?
Protective circuit Suppressor diode
Current consumptio...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / PSR-SPP-24DC/ESP4/2X1/1X2 with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

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