

INDUSTRIAL COMPONENT DATA

PSR-PE20-1NO-24DC-SC-SET60 1272930 PHOENIX CONTACT

Set of 60 coupling relays for low demand SIL 3 applicatio..

Brand: PHOENIX CONTACT | Manufacturer Part Number: PSR-PE20-1NO-24DC-SC-SET60



Manufacturer	PHOENIX CONTACT
MPN / Reference	PSR-PE20-1NO-24DC-SC-SET60
Catalog number	1272930
Category	Device for monitoring of safety-related circuits
Minimum order	1 Pcs
Document ID	EO-FC2E529395
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Product Overview

Set of 60 coupling relays for low demand SIL 3 applications, couple digital output signals to the periphery, 1 independent control trigger circuit, Safe State Off applications, test pulse filter, screw terminal

Set of 60 coupling relays for SIL 3 low-demand applications, couples digital output signals to the I/O, 1 independently controllable enabling current path, safe state off applications, test pulse filter, 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
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Additional Product Information

Technical dataProduct propertiesProduct type Coupling relay

Product family PSRclassic

Application Safe switch off

Low demand

Mechanical service life 10x 106cycles

Relay type Electromechanical relay in accordance with IEC/EN 61810

Times

Typ. starting time with $U_s < 70$ ms (when controlled via A3 at U_s)

Typical release time < 50 ms (on demand via A3 at U_s)

Recovery time 500 ms

Electrical propertiesMaximum power dissipation for nominal condition 2.36 W ($U_B = 26.4$ V, $U_S = 24$ V, $I_S = 40$ mA, $I_L^2 = 16$ A, $R_{contact} = 0.075$?)

Nominal operating mode 100% operating factor

Air clearances and creepage distances between the power circuits

Rated insulation voltage 250 V AC

Rated surge voltage/insulation Safe isolation, reinforced insulation 6.4 kV between 250 V load current paths and 24 V logic paths

Basic insulation 4 kV between all current paths and housing

Supply

Designation 3/4

Rated control circuit supply voltage US 21.6 V DC ... 26.4 V DC

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

Rated control supply current IS 40 mA

Power consumption at US 960 mW

Inrush current typ. 100 mA ($\tau = 10$ ms at U_s)

Filter time 1 ms (in the event of voltage dips at U_s)

Protective circuit Serial protection against polarity reversal; Suppressor diode, 38.6 V/600 W (connections 3/4)

Output dataRelay: Enabling current path (5/6)

Output description 1 NO

Number of outputs 1 (safety-related)

Contact switching type 1 enabling current path

Contact material AgSnO₂, gold-plated

Switching voltage min.....

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / PSR-PE20-1NO-24DC-SC-SET60 with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

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