

INDUSTRIAL COMPONENT DATA

PSR-PC32-2NO-1NC-24-230UC-SP 2700582 PHOENIX CONTACT Coupling relay

Brand: PHOENIX CONTACT | Manufacturer Part Number: PSR-PC32-2NO-1NC-24-230UC-SP



Manufacturer	PHOENIX CONTACT
MPN / Reference	PSR-PC32-2NO-1NC-24-230UC-SP
Catalog number	2700582
Category	Device for monitoring of safety-related circuits
Minimum order	1 Pcs
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Product Overview

Coupling relay

Coupling relay for high and low demand applications SIL 3, couples digital signals to the periphery, wide input range of 24 V... 230 V, 2 trip circuits (1x up to 60 V, 1x up to 250 V), 1 feedback circuit, "Safe State Off" applications, plug-in push-in terminal block

Coupling relay for SIL 3 high and low-demand applications, couples digital signals to the I/O, 24 V ... 230 V wide-range input, 2 enabling current paths (1x up to 60 V, 1x up to 250 V) 1 confirmation current path, safe state off applications, 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

Utilization restriction

CCCex note Use in potentially explosive areas is not permitted in China.

Product propertiesProduct type Coupling relay

Product family PSRmini

Application Safe switch off

High demand

Low demand

Ex

Relay type Electromechanical relay with force-guided contacts in accordance with IEC/EN 61810-3

Data management status

Article revision 04

Times

Typical response time < 100 ms (with Uswhen controlled via A1)

Typical release time < 200 ms (with Uswhen controlled via A1)

Recovery time < 500 ms

Electrical properties Maximum power dissipation for nominal condition 5.7 W (at US= 42 V AC, $IL^2 = 72 A^2$)

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 Basic insulation 4 kV between all current paths and housing

Safe isolation, reinforced insulation 2.5 kV between (93/94) and (31/32, 24V/GND)

Safe isolation, reinforced insulation 6 kV:

between (A1/A2) and (13/14) and (31/32, 24V/GND)

between (A1/A2) and (93/94)

between (13/14) and (93/94)

Supply

Designation A1/A2

Rated control circuit supply voltage US 24 V AC/DC ... 230 V AC/DC -15 % ... +10 %

Rated control supply current IS 75 mA (24 V DC)

34 mA (48 V DC)

97 mA (42 V AC)

28 mA (120 V AC)

16 mA (230 V AC)

Power consumption at US 1.8 W (with DC)

2.1 W (with AC)

Apparent power typ. 4.1 VA

Inrush current typ. 16 A (?...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / PSR-PC32-2NO-1NC-24-230UC-SP 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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