

INDUSTRIAL COMPONENT DATA

PSR-MC42-2NO-1DO-24DC-SC 2702901 PHOENIX CONTACT

Safety relay with IO-Link for emergency stop, safety doors,..

Brand: PHOENIX CONTACT | Manufacturer Part Number: PSR-MC42-2NO-1DO-24DC-SC



Manufacturer	PHOENIX CONTACT
MPN / Reference	PSR-MC42-2NO-1DO-24DC-SC
Catalog number	2702901
Category	Device for monitoring of safety-related circuits
Minimum order	1 Pcs
Document ID	EO-F89B8EEA24
Generated	2026-08-06

Product Overview

Safety relay with IO-Link for emergency stop, safety doors, and light grids, up to SILCL 3, Cat. 4, PL e, 2 sensor circuits, automatic or manual, monitored start, 2 enabling current paths, 1 signal output, U

Safety relay with IO-Link for emergency stop, protection doors and light barrier up to SIL 3, cat. 4, PL e, 2 sensor circuits, monitored start, manual or automatic, 2 trip circuits, 1 message output, US = 24 V DC, plug-in screw terminal

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

Key Commercial Data

Orderkey 2702901

Packing unit 1 pc

Catalog page Page 224 (C-6-2019)

GTIN 4055626458540

Weight per Piece (excluding packing) 180.000 g

Custom tariff number 85371098

Country of origin DE (Germany)

Drawings

Dimensions

Power supply

Digital inputs

Relay outputs: enabling current path

Times

Connection data

Standards and Regulations

Classifications

Note

Ambient conditions

Supply of the IO-Link ports

IO-Link inputs

Alarm outputs

General

Safety-related characteristic data

Environmental Product Compliance

Drawings

Block diagram

Circuit diagram

Back to topNote

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

Back to topDimensions

Width 17.5 mm

Height 112.2 mm

Depth 114.5 mm

Back to topAmbient conditions

Ambient temperature (operation) -25 °C ... 60 °C (observe derating)

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)

Back to topPower supply

Designation A1/A2

Rated control circuit supply voltage US 24 V DC -20 % / +25 % (provide external protection)

Rated control supply current IS typ. 60 mA

Power consumption at US typ. 1.44 W

Inrush current typ. 2.5 A (?t = 500 µs at Us)

Filter time 1 ms (at A1 in the event of voltage dips at Us)

Protective circuit Serial protection against...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / PSR-MC42-2NO-1DO-24DC-SC 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

Catalog-generated document. Product names, marks and specifications belong to their respective owners. Verify safety-critical, compatibility and certification requirements against the manufacturer documentation before purchase or installation.