

INDUSTRIAL COMPONENT DATA

REL-PR1- 48DC/1/MB 2908613 PHOENIX CONTACT Single relay

Brand: PHOENIX CONTACT | Manufacturer Part Number: REL-PR1-48DC/1/MB



Manufacturer	PHOENIX CONTACT
MPN / Reference	REL-PR1-48DC/1/MB
Catalog number	2908613
Category	Switching relay
Minimum order	10 Pcs
Document ID	EO-8FDDE3BFA0
Generated	2026-08-03

Product Overview

Single relay

Pluggable high-power relay with power contacts, special for connecting high DC loads, 1 normally open contact, shut-off magnet, coil voltage: 48 V DC

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 > Industrial Relays
--------------	-------------------------------------

Additional Product Information

Key Commercial Data

Orderkey 2908613

Packing unit 1 pc

Minimum order quantity 10 pc

Note Made to Order (non-returnable)

GTIN 4055626312781

Weight per Piece (excluding packing) 88.900 g

Custom tariff number 85364190

Country of origin PL (Poland)

Dimensions

Width 38.6 mm

Height 36.1 mm

Depth 45.5 mm

Ambient conditions

Ambient temperature (operation) -40 °C ... 70 °C

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

Coil side

Nominal input voltage UN 48 V DC

Typical response time 20 ms

Typical release time 15 ms

Contact side

Contact type 1 N/O contact

Type of switch contact Single contact

Contact material AgNi

Maximum switching voltage 440 V AC

350 V DC

Minimum switching voltage 5 V (At 24 mA)

Min. switching current 5 mA (at 24 V)

Maximum inrush current 50 A (20 ms)

30 A (4 s)

Limiting continuous current 16 A

Interrupting rating (ohmic load) max. 384 W (at 24 V DC)

768 W (at 48 V DC)

930 W (at 60 V DC)

1650 W (at 110 V DC)

2640 W (at 220 V DC)

4000 VA (for 250 V AC)

Switching capacity min. 120 mW

Switching capacity 1 A (at 220 V, DC13)

1.5 A (at 240 V, AC15)

Switching capacity according to IEC 60947-5-1 1 A (at 220 V, DC13)

1.5 A (at 240 V, AC15)

General

Test voltage relay winding/relay contact 2.5 kV

Operating mode 100% operating factor

Degree of protection RT I

Mechanical service life approx. 2x 10⁷ cycles

Mounting position any

Standards and Regulations

Standards/regulations IEC 60664

IEC 61810

Rated surge voltage 4 kV

Degree of pollution 3

Overvoltage category III

Envi...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / REL-PR1-48DC/1/MB 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.