

## INDUSTRIAL COMPONENT DATA

# PT 1X2-48DC-ST 2803658 PHOENIX CONTACT Surge protection plug

Brand: PHOENIX CONTACT | Manufacturer Part Number: PT 1X2-48DC-ST



|                 |                                                          |
|-----------------|----------------------------------------------------------|
| Manufacturer    | PHOENIX CONTACT                                          |
| MPN / Reference | PT 1X2-48DC-ST                                           |
| Catalog number  | 2803658                                                  |
| Category        | Surge protection device for data networks/MCR-technology |
| Minimum order   | 1 Pcs                                                    |
| Document ID     | EO-C23D232318                                            |
| Generated       | 2026-07-31                                               |

## Product Overview

Surge protection plug

PT plug-in protection protection for a potential-free two-conductor signal circuit.

## 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 > Trabtech (TT) |
|--------------|---------------------------------|

## Additional Product Information

Key Commercial Data

Orderkey 2803658

Packing unit 10 pc

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GTIN 4046356299268

Weight per Piece (excluding packing) 19.750 g

Custom tariff number 85363010

Country of origin DE (Germany)

Dimensions

Height 45 mm

Width 17.7 mm

Depth 52 mm

Horizontal pitch 1 Div.

Complete module height 90 mm

Complete module width 17.7 mm

Complete module depth 65.5 mm

Ambient conditions

Ambient temperature (operation) -40 °C ... 85 °C

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

Altitude  $\leq$  2000 m (amsl (above mean sea level))

Degree of protection IP20

General

Housing material PA 6.6

Flammability rating according to UL 94 V-0

Color jet black RAL 9005

Mounting type on base element

Type Male

Number of positions 2

Direction of action Line-Line & Line-Signal Ground/Shield & optional Signal Ground/Shield-Earth Ground

Arrester can be tested with CHECKMASTER from software version: From SW rev. 3.15

Additional descriptions

Note Technical data is valid in association with the following specified base elements:

PT 1X2+F-BE 2856126

PT 1X2-BE 2856113

Protective circuit

IEC test classification C1

C2

C3

D1

Nominal voltage UN 48 V DC

Maximum continuous voltage UC 53 V DC

37 V AC

Rated current 450 mA (45°C)

Operating effective current  $I_{Cat}$  UC  $\leq$  5  $\mu$ A

Residual current IPE  $\leq$  2  $\mu$ A (with PT 1X2-BE)

$\leq$  1  $\mu$ A (with PT 1X2+F-BE)

Nominal discharge current  $I_n(8/20)$   $\mu$ s (line-line) 10 kA

Nominal discharge current  $I_n(8/20)$   $\mu$ s (line-earth) 10 kA

Pulse discharge current  $I_{imp}(10/350)$   $\mu$ s 2.5....

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / PT 1X2-48DC-ST with the required quantity to [info@electricaonline.com](mailto:info@electricaonline.com) or use [electricaonline.com/request-quote](https://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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