

**INDUSTRIAL COMPONENT DATA**

# PT 2X1-VF-120AC-ST 2856799 PHOENIX CONTACT Surge protection plug

Brand: PHOENIX CONTACT | Manufacturer Part Number: PT 2X1-VF-120AC-ST



|                 |                                                          |
|-----------------|----------------------------------------------------------|
| Manufacturer    | PHOENIX CONTACT                                          |
| MPN / Reference | PT 2X1-VF-120AC-ST                                       |
| Catalog number  | 2856799                                                  |
| Category        | Surge protection device for data networks/MCR-technology |
| Minimum order   | 1 Pcs                                                    |
| Document ID     | EO-7F5AE38862                                            |
| Generated       | 2026-08-03                                               |

## Product Overview

Surge protection plug

Plug-in protection with leakage current-proof protection circuit for two signals without earth potential. Series circuit consisting of varistor and a gas-filled surge arrester between the signal and ground conductors.

**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 &gt; Trabtech (TT)

## Additional Product Information

Key Commercial Data

Orderkey 2856799

Packing unit 10 pc

Note Made to Order (non-returnable)

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GTIN 4017918974558

Weight per Piece (excluding packing) 25.600 g

Custom tariff number 85363010

Country of origin DE (Germany)

Dimensions

Height 44.8 mm

Width 17.5 mm

Depth 51.7 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 ... 80 °C

Degree of protection IP20

General

Housing material PA 6.6

Flammability rating according to UL 94 V-0

Color black

Standards for clearances and creepage distances IEC 60664-1

DIN VDE 0110-1

Overvoltage category III

Degree of pollution 2

Mounting type on base element

Type Male

Number of positions 2

Direction of action Line-Line & Line-Earth Ground

Arrester can be tested with CHECKMASTER from software version: SW Version 2.13 or later

Protective circuit

IEC test classification C1

C2

C3

Nominal voltage UN 120 V AC

Maximum continuous voltage UC 175 V AC

Rated current 6 A (with PT BE/FM)

Operating effective current  $I_{Cat UC} \leq 2 \mu A$

Residual current  $I_{PE} \leq 4 \mu A$

Nominal discharge current  $I_n(8/20) \mu s$  3 kA

Pulse discharge current  $I_{imp}(10/350) \mu s$  300 A

Total discharge current  $I_{total}(10/350) \mu s$  8 kA

Max. discharge current  $I_{max}(8/20) \mu s$  8 kA

Nominal pulse current  $I_{an}(10/1000) \mu s$  (line-earth) 40 A

Output voltage limitation at 1 kV/ $\mu s$  (line-earth) static  $\leq 800 V$

Residual voltage at  $I_n$ (line-earth)  $\leq 600 V$

Residual vol...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / PT 2X1-VF-120AC-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

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