

**INDUSTRIAL COMPONENT DATA**

# CTM 2X1-180DC-GS-P 2838623 PHOENIX CONTACT Surge protection plug

Brand: PHOENIX CONTACT | Manufacturer Part Number: CTM 2X1-180DC-GS-P



|                 |                                                          |
|-----------------|----------------------------------------------------------|
| Manufacturer    | PHOENIX CONTACT                                          |
| MPN / Reference | CTM 2X1-180DC-GS-P                                       |
| Catalog number  | 2838623                                                  |
| Category        | Surge protection device for data networks/MCR-technology |
| Minimum order   | 1 Pcs                                                    |
| Document ID     | EO-A9FA0A60EE                                            |
| Generated       | 2026-07-29                                               |

## Product Overview

Surge protection plug

LSA-PLUS (COMTRAB CTM) plug-in protection with Powercross protection and sufficient surge protection for 2 signal conductors. Rated voltage: 180 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 &gt; Trabtech (TT)

## Additional Product Information

Key Commercial Data

Orderkey 2838623

Packing unit 10 pc

Note Made to Order (non-returnable)

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GTIN 4017918948375

Weight per Piece (excluding packing) 8.340 g

Custom tariff number 85363010

Country of origin DE (Germany)

Dimensions

Height 21 mm

Width 9.5 mm

Depth 53.5 mm

Ambient conditions

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

Degree of protection IP20

General

Housing material PA

Flammability rating according to UL 94 V-0

Color black

Standards for clearances and creepage distances DIN VDE 0110-1

IEC 60664-1

Overvoltage category II

Degree of pollution 2

Mounting type On CT-TERMIBLOCK and LSA-PLUS disconnect strip

Type LSA-PLUS module

Direction of action Line-Line & Line-Earth Ground

Arrester can be tested with CHECKMASTER from software version: From SW rev. 2.20

Near-end crosstalk attenuation aN between adjacent articles 70 dB (up to 1 MHz 100 ? system)

50 dB (up to 10 MHz 100 ? system)

30 dB (up to 100 MHz, 100 ? system)

Protective circuit

IEC test classification A2

B1

B2

B3

C1

C2

C3

D1

D2

VDE requirement class A2

B1

B2

B3

C1

C2

C3

D1

D2

Nominal voltage UN 180 V DC

Maximum continuous voltage UC  $\pm$  180 V DC

Rated current 120 mA (25 °C)

Operating effective current ICat UC  $\leq$  2  $\mu$ A

Residual current IPE  $\leq$  2  $\mu$ A

Nominal discharge current In(8/20)  $\mu$ s (line-earth) 5 kA

Pulse discharge current Iimp(10/350)  $\mu$ s 1 kA

Total discharge current Itotal(8/20)  $\mu$ s 10 kA

Total discharge current Itotal(10/350)  $\mu$ s 2.5 kA

Max. discharge current Imax(8/20)  $\mu$ s maxi...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / CTM 2X1-180DC-GS-P 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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