

**INDUSTRIAL COMPONENT DATA**

# CTM 2X1- 24DC 2838500 PHOENIX CONTACT Surge protection plug

Brand: PHOENIX CONTACT | Manufacturer Part Number: CTM 2X1-24DC



|                 |                                                          |
|-----------------|----------------------------------------------------------|
| Manufacturer    | PHOENIX CONTACT                                          |
| MPN / Reference | CTM 2X1-24DC                                             |
| Catalog number  | 2838500                                                  |
| Category        | Surge protection device for data networks/MCR-technology |
| Minimum order   | 1 Pcs                                                    |
| Document ID     | EO-C795E0BD29                                            |
| Generated       | 2026-08-01                                               |

## Product Overview

Surge protection plug

LSA-PLUS (COMTRAB CTM) plug-in protection protection for 2 conductors of signal circuits with unilateral ground. Rated voltage: 24 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 2838500

Packing unit 10 pc

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GTIN 4017918819538

Weight per Piece (excluding packing) 10.380 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) -25 °C ... 75 °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

Number of positions 2

Direction of action Line-Line & Line-Earth Ground

Arrester can be tested with CHECKMASTER from software version: From SW rev. 1.10

Protective circuit

IEC test classification B2

C1

C2

C3

D1

VDE requirement class B2

C1

C2

C3

D1

Nominal voltage UN 24 V DC

Maximum continuous voltage UC  $\pm$  30 V DC

21 V AC

Rated current 380 mA AC (25 °C)

Operating effective current ICat UC  $\leq$  5  $\mu$ 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 (line-earth) 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 maximum (line-earth) 10 kA (in total)

Nominal pulse current Ian (10/1000)  $\mu$ s (line-earth) 100 A

Output voltage limitation at 1 kV/ $\mu$ s (line-earth) spike 55 V

Output voltage limitation...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / CTM 2X1-24DC 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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