

**INDUSTRIAL COMPONENT DATA**

# TTC-6-2X1-24DC-UT 2906799 PHOENIX CONTACT Surge protection for two signal wires with common reference potent..

Brand: PHOENIX CONTACT | Manufacturer Part Number: TTC-6-2X1-24DC-UT



|                 |                                                          |
|-----------------|----------------------------------------------------------|
| Manufacturer    | PHOENIX CONTACT                                          |
| MPN / Reference | TTC-6-2X1-24DC-UT                                        |
| Catalog number  | 2906799                                                  |
| Category        | Surge protection device for data networks/MCR-technology |
| Minimum order   | 1 Pcs                                                    |
| Document ID     | EO-7D03AD7E8D                                            |
| Generated       | 2026-08-05                                               |

## Product Overview

Surge protection for two signal wires with common reference potential, e.g., Digital IN/OUT.  
Surge protection for two signal conductors with common reference potential, e.g. digital INPUT/OUTPUT.

**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 2906799  
Packing unit 1 pc  
Catalog page Page 130 (C-4-2019)  
GTIN 4055626135540  
Weight per Piece (excluding packing) 40.000 g  
Custom tariff number 85363010  
Country of origin DE (Germany)  
Drawings  
Ambient conditions  
Protective circuit  
Connection data

Environmental Product Compliance

Dimensions

General

Additional technical data

Standards and Regulations

Classifications

Drawings

Diagram

Dimensional drawing

Pictogram

Circuit diagram

[Back to top](#)Dimensions

Height 105.8 mm

Width 6.2 mm +0.1 mm

Depth 69.5 mm (incl. DIN rail 7.5 mm)

[Back to top](#)Ambient conditions

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

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

Permissible humidity (operation) 5 % ... 95 %

Altitude ≤ 4000 m (amsl (above mean sea level))

Degree of protection IP20

[Back to top](#)General

Housing material PBT

Flammability rating according to UL 94 V-0

Color traffic grey A RAL 7042

Mounting type DIN rail: TH 35 - 7.5 mm

Type DIN rail module, one-piece

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

[Back to top](#)Protective circuit

IEC test classification C1

C2

C3

D1

Nominal voltage UN 24 V DC

Maximum continuous voltage UC 30 V DC

21 V AC

Rated current 600 mA (40 °C)

Operating effective current I<sub>Cat UC</sub> ≤ 5 μA

Residual current I<sub>PE</sub> ≤ 10 μA

Nominal discharge current I<sub>n(8/20)</sub> μs (line-earth) 5 kA

Pulse discharge current I<sub>imp(10/350)</sub> μs (line-earth) 0.5 kA

Total discharge current I<sub>total(8/20)</sub> μs 10....

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / TTC-6-2X1-24DC-UT 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

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.