

INDUSTRIAL COMPONENT DATA

TTC-6P-2X1-48DC-UT-I 2908203 PHOENIX CONTACT Surge protection, consisting of protective plug and base elemen..

Brand: PHOENIX CONTACT | Manufacturer Part Number: TTC-6P-2X1-48DC-UT-I



Manufacturer	PHOENIX CONTACT
MPN / Reference	TTC-6P-2X1-48DC-UT-I
Catalog number	2908203
Category	Surge protection device for data networks/MCR-technology
Minimum order	1 Pcs
Document ID	EO-D2AE4E5FCF
Generated	2026-08-03

Product Overview

Surge protection, consisting of protective plug and base element, with integrated status indicator for two signal wires with common reference potential, e.g., Digital IN/OUT.

Surge protection, consisting of plug-in protection and base element, with integrated status indication 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 2908203

Packing unit 1 pc

Catalog page Page 128 (C-4-2019)

GTIN 4055626282886

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

Derating curve at 55.2 V DC

Diagram

Derating curve at 30 V AC

Dimensional drawing

Pictogram

Circuit diagram

[Back to top](#)Dimensions

Height 105.8 mm

Width 6.2 mm +0.1 mm

Depth 100 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

light grey RAL 7035

Mounting type DIN rail: TH 35 - 7.5 mm

Type DIN rail module, two-section, divisible

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 48 V DC

Maximum continuous voltage UC 53 V DC

30 V AC

Rated current 220 mA DC (75 °C)

600 mA AC (56 °C)

Operating effective current I_{Cat UC} ≤ 5 μA

Residual current I_{PE} ≤ 10 μA

Nominal discharge current I_{n(8/20)} μs (line-...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / TTC-6P-2X1-48DC-UT-I with the required quantity to info@electricaonline.com or use 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.