

INDUSTRIAL COMPONENT DATA

TTC-6-TVSD-C-12DC-PT-I 2906847 PHOENIX CONTACT Fine surge protection with integrated status indicator for a ..

Brand: PHOENIX CONTACT | Manufacturer Part Number: TTC-6-TVSD-C-12DC-PT-I



Manufacturer	PHOENIX CONTACT
MPN / Reference	TTC-6-TVSD-C-12DC-PT-I
Catalog number	2906847
Category	Surge protection device for data networks/MCR-technology
Minimum order	1 Pcs
Document ID	EO-243B29225C
Generated	2026-08-05

Product Overview

Fine surge protection with integrated status indicator for a signal wire with grounded reference potential.
Fine surge protection with integrated status indication for a grounded signal conductor with reference potential.

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 2906847

Packing unit 1 pc

Catalog page Page 148 (C-4-2019)

GTIN 4055626137032

Weight per Piece (excluding packing) 20.000 g

Custom tariff number 85363010

Country of origin DE (Germany)

Drawings

Ambient conditions

Protective circuit

Standards and Regulations

Classifications

Dimensions

General

Connection data

Environmental Product Compliance

Drawings

Diagram

Dimensional drawing

Circuit diagram

Back to topDimensions

Height 92 mm

Width 6.2 mm

Depth 69.5 mm (incl. DIN rail 7.5 mm)

Back to topAmbient 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 (with end cover)

Back to topGeneral

Housing material PBT

Flammability rating according to UL 94 V-0

Color traffic grey A RAL 7042

Mounting type DIN rail: 35 mm

Type DIN rail module, one-piece

Direction of action Line-Earth Ground

Back to topProtective circuit

IEC test classification C1

C3

Nominal voltage UN 12 V DC

Maximum continuous voltage UC 15 V DC

10 V AC

Rated current 10 A (60 °C)

Operating effective current $I_{Cat UC} \leq 5 \mu A$

Residual current $I_{PE} \leq 5 \mu A$

Nominal discharge current $I_n(8/20) \mu s$ (line-earth) 300 A

Voltage protection level U_p (line-earth) ≤ 25 V (C1 - 0,6 kV / 300 A)

≤ 22 V (C3 - 25 A)

≤ 25 V (C3 - 60 A)

Response time t_A (line-earth) ≤ 1 ns

Input attenuation aE, asym. typ. 0.3 dB (≤ 340 kHz / 150 ?)

Cut-off freq...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / TTC-6-TVSD-C-12DC-PT-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.