

INDUSTRIAL COMPONENT DATA

TTC-6-TVSD-D-48DC-PT-I 2906852 PHOENIX CONTACT Fine surge protection with integrated status indicator for a ..

Brand: PHOENIX CONTACT | Manufacturer Part Number: TTC-6-TVSD-D-48DC-PT-I



Manufacturer	PHOENIX CONTACT
MPN / Reference	TTC-6-TVSD-D-48DC-PT-I
Catalog number	2906852
Category	Surge protection device for data networks/MCR-technology
Minimum order	1 Pcs
Document ID	EO-E53AADC6B2
Generated	2026-08-04

Product Overview

Fine surge protection with integrated status indicator for a 2-wire floating signal circuit.

Fine surge protection with integrated status indication for a potential-free 2-wire signal circuit.

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)
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Additional Product Information

Key Commercial Data

Orderkey 2906852

Packing unit 1 pc

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GTIN 4055626137087

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 C3

Nominal voltage UN 48 V DC

Maximum continuous voltage UC 53 V DC

37 V AC

Rated current 10 A (60 °C)

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

Nominal discharge current $I_n(8/20) \mu s$ (line-line) 90 A

Voltage protection level U_p (line-line) ≤ 80 V (C3 - 18 A)

Response time t_A (line-line) ≤ 1 ns

Input attenuation aE, sym. typ. 0.3 dB (≤ 1 MHz / 150 ?)

Cut-off frequency f_g (3 dB), sym. in 150 Ohm system typ. 3.5 MHz

Capacity (line-line) 1 nF

Resista...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / TTC-6-TVSD-D-48DC-PT-I with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

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