

INDUSTRIAL COMPONENT DATA

TTC-6-TVSD-C-12DC-UT-I 2906829 PHOENIX CONTACT Fine surge protection with integrated status indicator for a ..

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



Manufacturer	PHOENIX CONTACT
MPN / Reference	TTC-6-TVSD-C-12DC-UT-I
Catalog number	2906829
Category	Surge protection device for data networks/MCR-technology
Minimum order	1 Pcs
Document ID	EO-1D7631776C
Generated	2026-08-04

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.

Fine surge protection with integrated status indicator for one signal wire with grounded reference potential. Can be used in safety-related circuits up to SIL 3.

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

Technical dataProduct propertiesProduct type Surge protection for MCR technology

Product family TERMITRAB complete

IEC test classification C1

C3

Type DIN rail module, one-piece

Surge protection fault message optical

Data management status

Article revision 08

Insulation characteristics

Overvoltage category III

Pollution degree 2

Electrical propertiesNominal voltage UN 12 V DC

Connection dataConnection method Screw connection
Screw thread M3
Tightening torque 0.5 Nm ... 0.6 Nm
Conductor cross section flexible 0.2 mm² ... 2.5 mm²
Conductor cross section rigid 0.2 mm² ... 4 mm²
Conductor cross section AWG 24 ... 12
DimensionsDimensional drawing
Width 6.2 mm
Height 92 mm
Depth 69.5 mm (incl. DIN rail 7.5 mm)
Material specificationsColor gray (RAL 7042)
Flammability rating according to UL 94 V-0
Insulating material PBT
Housing material PBT
Mechanical propertiesMechanical data
Open side panel Yes
Protective circuitDirection of action Line-Earth Ground
Maximum continuous voltage UC 15 V DC
10 V AC
Rated current 10 A (60 °C)
Operating effective current I_{Cat UC} ≤ 5 μA
Residual current I_{PE} ≤ 5 μA
Nominal discharge current I_{n(8/20)} μs (line-ground) 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 a_E, asym. typ. 0.3 dB (≤ 340 kHz/150 ?)
Cut-off frequency f_g (3 dB), asym. (PE) in 150 ? system typ. 1.1 MHz
Capacity (Core-Earth) 2 nF
Resistance per path ≤ 100 m?
Surge protec...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / TTC-6-TVSD-C-12DC-UT-I with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

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