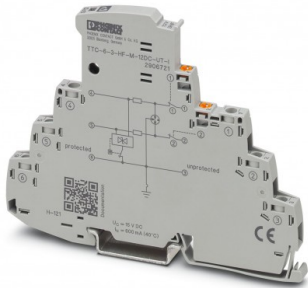


INDUSTRIAL COMPONENT DATA

TTC-6-3-HF-M-12DC-UT-I 2906721 PHOENIX CONTACT Surge protection with integrated status indicator and knife d..

Brand: PHOENIX CONTACT | Manufacturer Part Number: TTC-6-3-HF-M-12DC-UT-I



Manufacturer	PHOENIX CONTACT
MPN / Reference	TTC-6-3-HF-M-12DC-UT-I
Catalog number	2906721
Category	Surge protection device for data networks/MCR-technology
Minimum order	1 Pcs
Document ID	EO-A75DFDF9A1
Generated	2026-08-04

Product Overview

Surge protection with integrated status indicator and knife disconnection for three signal wires with common reference potential. For HF applications and telecommunications interfaces without supply voltage (up to 90 Mbps).

Surge protection with integrated status indication and blade separation for three signal conductors with common reference potential. For high-frequency applications and telecommunication interfaces without supply voltage (up to 90 MBit/s).

Surge protection with integrated status indicator and knife disconnection for three signal wires with common reference potential. For HF applications and telecommunications interfaces without supply voltage (up to 90 Mbps). 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)

Additional Product Information

Technical dataProduct propertiesProduct type Surge protection for information technology

Product family TERMITRAB complete

IEC test classification C1

C2

C3

D1

Type DIN rail module, one-piece

Data management status

Article revision 03

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 +0.1 mm

Height 105.8 mm

Depth 83.5 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 No

Protective circuitDirection of action Line-Line & Line-Signal Ground/Shield & optional Signal Ground/Shield-Earth Ground

Maximum continuous voltage UC 15 V DC

10 V AC

Rated current 600 mA (40 °C)

Operating effective current I_{Cat UC} ≤ 100 μA

Residual current I_{PE} ≤ 200 μA

Nominal discharge current I_n(8/20) μs (line-line) 5 kA

Nominal discharge current I_n(8/20) μs (line-ground) 5 kA

Pulse discharge current I_{imp}(10/350) μs (line-earth) 0.5 kA

Total discharge current I_{total}(8/20) μs 10 kA

Voltage protection level U_p(line-line) ≤ 145 V (C1 - 1 kV / 500 A)

≤ 120 V (C2 - 10 kV / 5 kA)

≤ 25 V (C3 - 25 A)

≤ 30 V (...)

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / TTC-6-3-HF-M-12DC-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 PI #500, Houston, TX 77084 | UAE: HDS Business Centre Tower, Cluster M, 33rd Floor, JLT, Dubai

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