

INDUSTRIAL COMPONENT DATA

TTC-6P-2X1-M-24DC-UT-I 2906741 PHOENIX CONTACT Surge protection, consisting of protective plug and base elem..

Brand: PHOENIX CONTACT | Manufacturer Part Number: TTC-6P-2X1-M-24DC-UT-I



Manufacturer	PHOENIX CONTACT
MPN / Reference	TTC-6P-2X1-M-24DC-UT-I
Catalog number	2906741
Category	Surge protection device for data networks/MCR-technology
Minimum order	1 Pcs
Document ID	EO-6E9E908066
Generated	2026-08-05

Product Overview

Surge protection, consisting of protective plug and base element, with integrated status indicator and disconnect knife 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 display and disconnect blade for two signal conductors with common reference potential, e.g. digital INPUT/OUTPUT.

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

C2

C3

D1

Type DIN rail module, two-section, divisible

Data management status

Article revision 04

Insulation characteristics

Overvoltage category III

Pollution degree 2

Electrical propertiesNominal voltage UN 24 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 100 mm (incl. DIN rail 7.5 mm)

Material specificationsColor (Base element) gray (RAL 7042)

Color (Male connector) light gray (RAL 7035)

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 30 V DC

21 V AC

Rated current 600 mA (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-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-earth) ≤ 140 V (C1 - 1 kV / 500 A)

≤ 190 V (C2 - 10 kV / 5 kA)

≤ 45 V (C3 - 25 A)

≤...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / TTC-6P-2X1-M-24DC-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

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