

INDUSTRIAL COMPONENT DATA

TTC-6-2-HC-24DC-UT-I 2908438 PHOENIX CONTACT
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Brand: PHOENIX CONTACT | Manufacturer Part Number: TTC-6-2-HC-24DC-UT-I



Manufacturer	PHOENIX CONTACT
MPN / Reference	TTC-6-2-HC-24DC-UT-I
Catalog number	2908438
Category	Surge protection device for data networks/MCR-technology
Minimum order	1 Pcs
Document ID	EO-1DC01D2D42
Generated	2026-08-06

Product Overview

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Surge protection with integrated status indication for a potential-free 2-wire signal circuit with high rated current.
Surge protection with integrated status indicator for a 2-wire floating signal circuit with high nominal current. 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, one-piece
Data management status
Article revision 03

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 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 30 V DC

21 V AC

Rated current 6 A (55 °C)

Operating effective current I_{Cat UC} ≤ 5 μA

Residual current I_{PE} ≤ 1 μA

Nominal discharge current I_n(8/20) μs (line-line) 0.5 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 5 kA

Voltage protection level U_p(line-line) ≤ 50 V (C1 - 1 kV / 500 A)

≤ 45 V (C3 - 25 A)

≤ 50 V (C3 - 100 A)

Voltage protection level U_p(lin...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / TTC-6-2-HC-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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