INDUSTRIAL COMPONENT DATA

# TTC-6-MOV-C-48DC-UT-I 2906838 PHOENIX CONTACT Medium surge protection with integrated status indicator for a..

**Brand: PHOENIX CONTACT | Manufacturer Part Number: TTC-6-MOV-C-48DC-UT-I**



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|---|---|
| Manufacturer | PHOENIX CONTACT |
| MPN / Reference | TTC-6-MOV-C-48DC-UT-I |
| Catalog number | 2906838 |
| Category | Surge protection device for data networks/MCR-technology |
| Minimum order | 1 Pcs |
| Document ID | EO-05A0718C01 |
| Generated | 2026-11-18 |

## Product Overview

Medium surge protection with integrated status indicator for a signal wire with grounded reference potential.
Medium 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

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| Catalog path | PHOENIX CONTACT > Trabtech (TT) |

## Additional Product Information

Technical dataProduct propertiesProduct type Surge protection for MCR technology
Product family TERMITRAB complete
IEC test classification C1
C2
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 48 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 60 V DC
42 V AC
Rated current 10 A (60 °C)
Operating effective current ICat UC <= 100 µA
Residual current IPE <= 100 µA
Nominal discharge current In(8/20) µs (line-ground) 2 kA
Voltage protection level Up(line-earth) <= 200 V (C1 - 600 A)
<= 220 V (C2 - 4 kV)
<= 150 V (C3 - 25 A)
<= 160 V (C3 - 35 A)
Response time tA(line-earth) <= 25 ns
Input attenuation aE, asym. typ. 0.3 dB (<= 200 kHz / 150 ?)
Cut-off frequency fg (3 dB), asym. (PE) in 150 ? system typ. 650 kHz
Capacity (Core-Earth) 5 nF
Resistance per pat...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / TTC-6-MOV-C-48DC-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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