

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



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-0305802038
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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

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
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 I_{Cat UC} ≤ 100 μA

Residual current I_{PE} ≤ 100 μA

Nominal discharge current I_{n(8/20)} μs (line-ground) 2 kA

Voltage protection level U_p(line-earth) ≤ 200 V (C1 - 600 A)

≤ 220 V (C2 - 4 kV)

≤ 150 V (C3 - 25 A)

≤ 160 V (C3 - 35 A)

Response time t_A(line-earth) ≤ 25 ns

Input attenuation a_E, asym. typ. 0.3 dB (≤ 200 kHz / 150 ?)

Cut-off frequency f_g (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

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