

INDUSTRIAL COMPONENT DATA

TTC-6-MOV-C-120AC-UT-I 2906840 PHOENIX CONTACT

Medium surge protection with integrated status indicator for ..

Brand: PHOENIX CONTACT | Manufacturer Part Number: TTC-6-MOV-C-120AC-UT-I



Manufacturer	PHOENIX CONTACT
MPN / Reference	TTC-6-MOV-C-120AC-UT-I
Catalog number	2906840
Category	Surge protection device for data networks/MCR-technology
Minimum order	1 Pcs
Document ID	EO-1C5F8B799A
Generated	2026-08-05

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)
--------------	---------------------------------

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 120 V AC

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 150 V DC

150 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) 2.5 kA

Voltage protection level U_p(line-earth) ≤ 200 V (C1 - 800 A)

≤ 500 V (C2 - 5 kV)

≤ 380 V (C3 - 25 A)

≤ 380 V (C3 - 35 A)

Response time t_A(line-earth) ≤ 25 ns

Input attenuation a_E, asym. typ. 0.3 dB (≤ 300 kHz / 150 ?)

Cut-off frequency f_g (3 dB), asym. (PE) in 150 ? system typ. 1 MHz

Capacity (Core-Earth) 5 nF

Resistance per....

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / TTC-6-MOV-C-120AC-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

Catalog-generated document. Product names, marks and specifications belong to their respective owners. Verify safety-critical, compatibility and certification requirements against the manufacturer documentation before purchase or installation.