

INDUSTRIAL COMPONENT DATA

TTC-6-GDT-C-24AC-UT-I 2906842 PHOENIX CONTACT Coarse surge protection with integrated status indicator for a..

Brand: PHOENIX CONTACT | Manufacturer Part Number: TTC-6-GDT-C-24AC-UT-I



Manufacturer	PHOENIX CONTACT
MPN / Reference	TTC-6-GDT-C-24AC-UT-I
Catalog number	2906842
Category	Surge protection device for data networks/MCR-technology
Minimum order	1 Pcs
Document ID	EO-6CE27D45BA
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Product Overview

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

Sufficient surge protection with integrated status indication for a signal conductor with grounded reference potential.

Coarse surge protection with integrated status indicator for a 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

D1

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 24 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 28 V DC

36 V AC

Rated current 1 A DC (60 °C)

2 A AC (60 °C)

Operating effective current I_{cat} UC ≤ 1 μA

Residual current I_{PE} ≤ 1 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

Voltage protection level U_p(line-earth) ≤ 800 V (C1 - 2 kV)

≤ 1 kV (C2 - 10 kV)

≤ 800 V (C3 - 25 A)

≤ 900 V (C3 - 100 A)

Response time t_A(line-earth) ≤ 100 ns

Input attenuation a_E, asym. typ. 0.3 dB (≤ 8 MHz/150 ?)

typ. 0.3 dB (≤ 30 MHz/50 ?)

Cut-off frequ...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / TTC-6-GDT-C-24AC-UT-I with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

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