INDUSTRIAL COMPONENT DATA

TTC-6-3-HF-12DC-PT 1065316 PHOENIX CONTACT Surge protection for three signal wires with common reference pot..

Brand: PHOENIX CONTACT | Manufacturer Part Number: TTC-6-3-HF-12DC-PT



Manufacturer	PHOENIX CONTACT
MPN / Reference	TTC-6-3-HF-12DC-PT
Catalog number	1065316
Category	Surge protection device for data networks/MCR-technology
Minimum order	1 Pcs
Document ID	EO-B5909B471F
Generated	2026-11-19

Product Overview

Surge protection for three signal wires with common reference potential. For HF applications and telecommunications interfaces without supply voltage (up to 90 Mbps).
Surge protection for three signal wires with common reference potential. For HF applications and telecommunications interfaces without supply voltage (up to 90 Mbps). 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 information technology
Product family TERMITRAB complete
IEC test classification C1
C2
C3
D1
Type DIN rail module, one-piece
Data management status
Article revision 04
Insulation characteristics
Overvoltage category III
Pollution degree 2

Electrical propertiesNominal voltage UN 12 V DC
Connection dataConnection method Push-in connection
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 69.5 mm (incl. DIN rail 7.5 mm)
Material specificationsColor gray (RAL 7042)
light gray (RAL 7035)
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 15 V DC
10 V AC
Rated current 600 mA (40 °C)
Operating effective current ICat UC <= 100 µA
Residual current IPE <= 200 µA
Nominal discharge current In(8/20) µs (line-line) 5 kA
Nominal discharge current In(8/20) µs (line-ground) 5 kA
Pulse discharge current Iimp(10/350) µs (line-earth) 0.5 kA
Total discharge current Itotal(8/20) µs 10 kA
Voltage protection level Up(line-line) <= 45 V (C1 - 1 kV / 500 A)
<= 85 V (C2 - 10 kV / 5 kA)
<= 30 V (C3 - 100 A)
Voltage protection level Up(line-eart...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / TTC-6-3-HF-12DC-PT 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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