

INDUSTRIAL COMPONENT DATA

TTC-6-3-HF-F-24AC-PT-I 1088786 PHOENIX CONTACT Surge protection with integrated status indicator for three s..

Brand: PHOENIX CONTACT | Manufacturer Part Number: TTC-6-3-HF-F-24AC-PT-I



Manufacturer	PHOENIX CONTACT
MPN / Reference	TTC-6-3-HF-F-24AC-PT-I
Catalog number	1088786
Category	Surge protection device for data networks/MCR-technology
Minimum order	1 Pcs
Document ID	EO-D06134616F
Generated	2026-08-05

Product Overview

Surge protection with integrated status indicator for three signal wires with common reference potential. For HF applications and telecommunications interfaces without supply voltage (up to 90 Mbps). Indirect grounding via gas discharge tube.

Surge protection with integrated status indication for three signal conductors with common reference potential. For high-frequency applications and telecommunication interfaces without supply voltage (up to 90 MBit/s). Indirect grounding by gas discharger.

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 information technology

Product family TERMITRAB complete

IEC test classification C1

C2

C3

D1

Type DIN rail module, one-piece

Data management status

Article revision 02

Insulation characteristics

Overvoltage category III

Pollution degree 2

Electrical propertiesNominal voltage UN 24 V AC

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 83.5 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 No

Protective circuitDirection of action Line-Line & Line-Signal Ground/Shield & optional Signal Ground/Shield-Earth Ground

Maximum continuous voltage UC 43 V DC

30 V AC

Rated current 600 mA (40 °C)

Residual current IPE ≤ 1 µA

Nominal discharge current $I_n(8/20)$ µs 10 kA

Pulse discharge current $I_{imp}(10/350)$ µs 2.5 kA

Total discharge current $I_{total}(8/20)$ µs 10 kA

Voltage protection level $U_p(\text{line-line})$ ≤ 80 V (C1 - 1 kV / 500 A)

≤ 80 V (C1 - 1 kV / 500 A, >1 µs)

≤ 150 V (C2 - 10 kV / 5 kA)

≤ 70 V (C2 - 10 kV / 5 kA, >1 µs)

≤ 75 V (C3 - 100 A)

≤ 75 V (C3 - 100 A, >1 µs)

Voltage protection level $U_p(\text{line-earth})$ ≤ 900 V (C1 - 1 kV / 500 A)

≤ 100 V (C1 - 1 kV / 50...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / TTC-6-3-HF-F-24AC-PT-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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