INDUSTRIAL COMPONENT DATA

PT 5-HF-24DC-ST 2906002 PHOENIX CONTACT Surge protection device

Brand: PHOENIX CONTACT | Manufacturer Part Number: PT 5-HF-24DC-ST



Manufacturer	PHOENIX CONTACT
MPN / Reference	PT 5-HF-24DC-ST
Catalog number	2906002
Category	Surge protection device for data networks/MCR-technology
Minimum order	1 Pcs
Document ID	EO-86021049FE
Generated	2026-11-18

Product Overview

Surge protection device
PT plug-in protection with AF protection circuit for 4 signal conductors. Rated voltage: 24 V DC

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

Key Commercial Data
Orderkey 2906002
Packing unit 1 pc
Note Made to Order (non-returnable)
Catalog page Page 160 (C-4-2017)
GTIN 4055626013398
Weight per Piece (excluding packing) 22.050 g
Custom tariff number 85363010
Country of origin DE (Germany)
Dimensions
Height 45 mm
Width 17.7 mm
Depth 52 mm
Ambient conditions

Ambient temperature (operation) -40 °C ... 85 °C
Altitude <= 2000 m
Degree of protection IP20
General
Housing material PA 6.6
Flammability rating according to UL 94 V-0
Color black
Type Male
Number of positions 5
Direction of action Line-Line & Line-Signal Ground/Shield & optional Signal Ground/Shield-Earth Ground
Protective circuit
IEC test classification C1
C2
C3
D1
VDE requirement class C1
C2
C3
D1
Nominal voltage UN 24 V DC
Maximum continuous voltage UC 28 V DC
Rated current 450 mA (45°C)
Operating effective current ICat UC <= 5 µA
Residual current IPE <= 5 µA (with PT 2X2-BE)
<= 1 µA (with PT 2X2+F-BE)
Nominal discharge current In(8/20) µs (line-line) 10 kA
Nominal discharge current In(8/20) µs (line-earth) 10 kA (with PT 2X2+F-BE)
10 kA (with PT 2X2-BE)
Pulse discharge current Iimp(10/350) µs 2.5 kA (with PT 2X2-BE)
2.5 kA (with PT 2X2+F-BE)
Total discharge current Itotal(8/20) µs 20 kA
Nominal pulse current Ian (10/1000) µs (line-line) 25 A
Voltage protection level Up(line-line) <= 150 V (C1 - 1 kV/500 A)
<= 165 V (C2 - 10 kV / 5 kA)
<= 450 V (C2 - 10 kA)
<= 50 V (C3 - 25 A)
Voltage protection level Up(line-earth) <= 150 V (C1 - 1 kV/500 A)
<= 700 V (C1 - 1 kV / 50...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / PT 5-HF-24DC-ST 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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