

INDUSTRIAL COMPONENT DATA

PT 3-HF-12DC-ST 2858043 PHOENIX CONTACT Surge protection plug

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



Manufacturer	PHOENIX CONTACT
MPN / Reference	PT 3-HF-12DC-ST
Catalog number	2858043
Category	Surge protection device for data networks/MCR-technology
Minimum order	1 Pcs
Document ID	EO-0DF5954FF0
Generated	2026-08-03

Product Overview

Surge protection plug

Plug-in surge protection for base element, coarse and fine transverse voltage protection for two signal conductors without ground and ground potential in information technology, coarse protection against longitudinal mass-ground voltage.

Workmanship: 12 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 2858043

Packing unit 10 pc

Catalog page Page 145 (C-4-2017)

GTIN 4017918878047

Weight per Piece (excluding packing) 20.470 g

Custom tariff number 85363090

Country of origin DE (Germany)

Dimensions

Height 45 mm

Width 17.7 mm

Depth 52 mm

Horizontal pitch 1 Div.

Complete module height 90 mm

Complete module width 17.7 mm

Complete module depth 65.5 mm

Ambient conditions

Ambient temperature (operation) -40 °C ... 85 °C

Altitude max. 2000 m

Degree of protection IP20

General

Housing material PA

Flammability rating according to UL 94 V-0

Color black

Standards for clearances and creepage distances DIN EN 61664-1

IEC 60664-1

Mounting type on base element

Type Male

Number of positions 3

Direction of action Line-Line & Line-Signal Ground/Shield & optional Signal Ground/Shield-Earth Ground

Arrester can be tested with CHECKMASTER from software version: From SW rev. 1.10

Protective circuit

IEC test classification C1

C2

C3

D1

VDE requirement class C1

C2

C3

D1

Nominal voltage UN 12 V DC

Maximum continuous voltage UC 14 V DC

9.8 V AC

Rated current 450 mA (45°C)

Operating effective current $I_{Cat UC} \leq 5 \mu A$

Residual current $I_{PE} < 5 \mu A$ (with PT 1X2-BE)

$< 1 \mu A$ (with PT 1X2+F-BE)

Nominal discharge current $I_n(8/20) \mu s$ (line-line) 10 kA

Nominal discharge current $I_n(8/20) \mu s$ (line-earth) 10 kA

Nominal discharge current $I_n(8/20) \mu s$ (core-signal ground) 10 kA

Pulse discharge current $I_{imp}(10/350) \mu s$ 2.5 kA

Total discharge current $I_{total}(8/20) \mu s$ 20 kA

Max. discharge current $I_{max}...$

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

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

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.