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-59338658EE
Generated	2026-11-18

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 cearances 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 ICat UC <= 5 µA
Residual current IPE < 5 µA (with PT 1X2-BE)
< 1 µA (with PT 1X2+F-BE)
Nominal discharge current In(8/20) µs (line-line) 10 kA
Nominal discharge current In(8/20) µs (line-earth) 10 kA
Nominal discharge current In(8/20) µs (core-signal ground) 10 kA
Pulse discharge current Iimp(10/350) µs 2.5 kA
Total discharge current Itotal(8/20) µs 20 kA
Max. discharge current Imax...

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

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