

INDUSTRIAL COMPONENT DATA

PT 5-HF-12 DC-ST 2838775 PHOENIX CONTACT Surge protection plug

Brand: PHOENIX CONTACT | Manufacturer Part Number: PT 5-HF-12 DC-ST



Manufacturer	PHOENIX CONTACT
MPN / Reference	PT 5-HF-12 DC-ST
Catalog number	2838775
Category	Surge protection device for data networks/MCR-technology
Minimum order	1 Pcs
Document ID	EO-400662CAC8
Generated	2026-07-29

Product Overview

Surge protection plug

PT plug-in protection with HF (high frequency) protection circuit for 4 signal conductors. Rated voltage: 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 2838775

Packing unit 10 pc

Catalog page Page 147 (C-4-2017)

GTIN 4017918480646

Weight per Piece (excluding packing) 25.600 g

Custom tariff number 85363010

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

Ambient temperature (storage/transport) -40 °C ... 85 °C

Altitude $\leq$ 2000 m (amsl (above mean sea level))

Degree of protection IP20

General

Housing material PA 6.6

Flammability rating according to UL 94 V-0

Color jet black RAL 9005

Overvoltage category III

Degree of pollution 2

Mounting type on base element

Type Male

Number of positions 5

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

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 μ A

Residual current IPE $\leq$ 5 μ A (with PT 2X2-BE)

$\leq$ 1 μ A (with PT 2X2+F-BE)

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

Nominal discharge current $I_n(8/20)$ μ s (line-earth) 20 kA (in total)

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

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

Max. discharge current $I_{max}(8/20)$ μ s maxi...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / PT 5-HF-12 DC-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.