INDUSTRIAL COMPONENT DATA

PT 4X1-48DC-ST 2858014 PHOENIX CONTACT Surge protection plug

Brand: PHOENIX CONTACT | Manufacturer Part Number: PT 4X1-48DC-ST



Manufacturer	PHOENIX CONTACT
MPN / Reference	PT 4X1-48DC-ST
Catalog number	2858014
Category	Surge protection device for data networks/MCR-technology
Minimum order	10 Pcs
Document ID	EO-BD2FD5E6DB
Generated	2026-11-18

Product Overview

Surge protection plug
Plug-in surge protection for base element, coarse and fine longitudinal voltage protection for four conductors with common reference potential. Execution: 48 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 2858014
Packing unit 10 pc
Catalog page Page 113 (C-4-2017)
GTIN 4017918828325
Weight per Piece (excluding packing) 21.770 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
Degree of protection IP20
General
Housing material PA 6.6
Flammability rating according to UL 94 V-0
Color jet black RAL 9005
Standards for cearances and creepage distances VDE 0110-1
IEC 60664-1
Mounting type on base element
Type Male
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. 1.00
Protective circuit
IEC test classification C1
C2
C3
D1
VDE requirement class C1
C2
C3
D1
Nominal voltage UN 48 V DC
Maximum continuous voltage UC 53 V DC
37 V AC
Rated current 300 mA (45°C)
Operating effective current ICat UC <= 5 µA
Residual current IPE <= 1 µA (with PT 4X1+F-BE)
<= 20 µA (Directly grounded)
Nominal discharge current In(8/20) µs (line-earth) 10 kA
Pulse discharge current Iimp(10/350) µs 2.5 kA (per path)
Total discharge current Itotal(8/20) µs 20 kA
Max. discharge current Imax(8/20) µs maximum (line-earth) 10 kA
Nominal pulse current Ian (10/1000) µs (line-earth) 17 A
Output voltage limitation at 1 kV/µs (line-...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / PT 4X1-48DC-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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