INDUSTRIAL COMPONENT DATA

PT 2+1-S-48DC-ST 2839648 PHOENIX CONTACT Type 3 surge protection plug

Brand: PHOENIX CONTACT | Manufacturer Part Number: PT 2+1-S-48DC-ST



Manufacturer	PHOENIX CONTACT
MPN / Reference	PT 2+1-S-48DC-ST
Catalog number	2839648
Category	Surge protection device for terminal equipment
Minimum order	10 Pcs
Document ID	EO-675DF5965B
Generated	2026-11-18

Product Overview

Type 3 surge protection plug
PT plug-in protection with device protection against overvoltages for power supplies, optical fault indication. Rated voltage: 48 V AC

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 2839648
Packing unit 10 pc
Catalog page Page 72 (C-4-2017)
GTIN 4017918193713
Weight per Piece (excluding packing) 20.210 g
Custom tariff number 85363030
Country of origin DE (Germany)
Dimensions
Height 44.8 mm
Width 17.5 mm
Depth 51.7 mm
Horizontal pitch 1 Div.

Complete module height 90 mm
Complete module width 17.7 mm
Complete module depth 65.5 mm
Ambient conditions
Degree of protection IP20
Ambient temperature (operation) -40 °C ... 80 °C
Ambient temperature (storage/transport) -40 °C ... 80 °C
Altitude <= 2000 m (amsl (above mean sea level))
Permissible humidity (operation) 5 % ... 95 %
General
EN type T3
Number of ports One
Mode of protection L-N
L-PE
N-PE
(L+) - (L-)
(L+/L-) - PE
Mounting type on base element
Color jet black RAL 9005
Housing material PA 6.6
Degree of pollution 2
Flammability rating according to UL 94 V-0
Type Male
Number of positions 2
Surge protection fault message optical
Protective circuit
Nominal voltage UN 48 V DC
Maximum continuous voltage UC 60 V DC
Rated load current IL 26 A (30 °C)
Residual current IPE <= 10 µA
Nominal discharge current In(8/20) µs 500 A
Combination wave UOC 1 kV (2 ?)
6 kV (12 ?)
Voltage protection level Up <= 120 V
Response time tA(L-N) <= 1 ns
Response time tA(L-PE) <= 1 ns
Short-circuit current rating ISCCR 200 A (without backup fuse for Uc)
Max. backup fuse with branch wiring 50 A (gG)
Maximum backup fuse for through wiring 25 A (gG)
Standards and Regulations
Standards/specifications EN 61643-11 20...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / PT 2+1-S-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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