INDUSTRIAL COMPONENT DATA

PT 2+1-S-48DC/FM 2817958 PHOENIX CONTACT Type 3 surge protection device

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



Manufacturer	PHOENIX CONTACT
MPN / Reference	PT 2+1-S-48DC/FM
Catalog number	2817958
Category	Surge protection device for terminal equipment
Minimum order	1 Pcs
Document ID	EO-EAEE51EDA4
Generated	2026-11-18

Product Overview

Type 3 surge protection device
Surge arrester for rail mounting as device protection for terminal equipment, fault signal on the connector and warning contact on the two-piece, plug-in base element. 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 2817958
Packing unit 10 pc
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GTIN 4017918574987
Weight per Piece (excluding packing) 63.460 g
Custom tariff number 85363090
Country of origin DE (Germany)
Dimensions
Height 90 mm
Width 17.7 mm
Depth 65.5 mm (incl. DIN rail 7.5 mm)
Horizontal pitch 1 Div.

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 DIN rail: 35 mm
Color jet black RAL 9005
Housing material PA 6.6
Degree of pollution 2
Flammability rating according to UL 94 V-0
Type DIN rail module, two-section, divisible
Surge protection fault message Optical, remote indicator contact
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)
Indicator/remote signaling
Switching function N/C contact
Operating voltage 7 V DC ... 70 V D...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / PT 2+1-S-48DC/FM 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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