INDUSTRIAL COMPONENT DATA

VAL-US-48/40/1+1V-FM 2910344 PHOENIX CONTACT Type 2 surge protection device

Brand: PHOENIX CONTACT | Manufacturer Part Number: VAL-US-48/40/1+1V-FM



Manufacturer	PHOENIX CONTACT
MPN / Reference	VAL-US-48/40/1+1V-FM
Catalog number	2910344
Category	Surge protection device for power supply systems
Minimum order	1 Pcs
Document ID	EO-DCAB9C1CCF
Generated	2026-11-18

Product Overview

Type 2 surge protection device
2-channel surge protection device with remote indication contact, for 48 V DC, 2 wires plus ground.

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 2910344
Packing unit 1 pc
GTIN 4055626444864
Weight per Piece (excluding packing) 190.000 g
Custom tariff number 85363030
Country of origin US (United States)
Dimensions
Height 96.8 mm
Width 35.6 mm
Depth 65.5 mm
Horizontal pitch 2 Div.
Ambient conditions
Degree of protection IP20 (only when all terminal points are used)

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 %
Shock (operation) 25g (Half-sine / 11 ms / 3x ±X, ±Y, ±Z)
Vibration (operation) 5g (10 ... 500 Hz / 2.5 h / X, Y, Z)
General
IEC test classification II
T2
EN type T2
IEC power supply system DC
Mode of protection (DC+) - (DC-)
(DC+/DC-) - PE
Mounting type DIN rail: 35 mm
Color jet black RAL 9005
Housing material PA 6.6
PBT
Degree of pollution 2
Flammability rating according to UL 94 V-0
Type DIN rail module, two-section, divisible
Number of positions 2
Surge protection fault message Optical, remote indicator contact
Protective circuit
Nominal voltage UN 60 V DC ±10 %
-48 V DC ±10 % (RRH)
Maximum continuous voltage UC 100 V DC
Rated load current IL 80 A
Residual current IPE <= 0.45 mA
Nominal discharge current In(8/20) µs 15 kA
Short-circuit current rating ISCCR 5 kA
Voltage protection level Up(DC+) - (DC-) <= 0.55 kV
Voltage protection level Up(DC+/DC-) - PE <= 0.55 kV
Residual voltage Ures <= 0.55 kV (at In)
<= 0.425 kV (at 10 kA)
<= 0.325...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / VAL-US-48/40/1+1V-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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