

INDUSTRIAL COMPONENT DATA

VAL-US-48/40/1+0-FM 2910343 PHOENIX CONTACT Type 2 surge protection device

Brand: PHOENIX CONTACT | Manufacturer Part Number: VAL-US-48/40/1+0-FM



Manufacturer	PHOENIX CONTACT
MPN / Reference	VAL-US-48/40/1+0-FM
Catalog number	2910343
Category	Surge protection device for power supply systems
Minimum order	1 Pcs
Document ID	EO-99773079B2
Generated	2026-08-04

Product Overview

Type 2 surge protection device

1-channel surge protection device with remote indication contact, for 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 2910343

Packing unit 1 pc

Note Made to Order (non-returnable)

GTIN 4055626444857

Weight per Piece (excluding packing) 106.000 g

Custom tariff number 85363030

Country of origin US (United States)

Dimensions

Height 96.8 mm

Width 17.8 mm

Depth 65.5 mm

Horizontal pitch 1 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 $\leq$ 2000 m (amsl (above mean sea level))

Permissible humidity (operation) 5 % ... 95 %

Shock (operation) 25g (Half-sine / 11 ms / $3x \pm X, \pm Y, \pm Z$)

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-)

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 1

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 $\leq$ 0.45 mA

Nominal discharge current $I_n(8/20)$ μ s 15 kA

Short-circuit current rating ISCCR 5 kA

Voltage protection level Up $\leq$ 0.55 kV

Residual voltage Ures $\leq$ 0.55 kV (at I_n)

$\leq$ 0.425 kV (at 10 kA)

$\leq$ 0.325 kV (at 5 kA)

$\leq$ 0.275 kV (at 3 kA)

Response....

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / VAL-US-48/40/1+0-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

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.