

INDUSTRIAL COMPONENT DATA

VAL-US-277/40-P 2910338 PHOENIX CONTACT Type 2 surge protection plug

Brand: PHOENIX CONTACT | Manufacturer Part Number: VAL-US-277/40-P



Manufacturer	PHOENIX CONTACT
MPN / Reference	VAL-US-277/40-P
Catalog number	2910338
Category	Accessories/spare parts for surge protection power supply systems
Minimum order	1 Pcs
Document ID	EO-0203205E5E
Generated	2026-08-04

Product Overview

Type 2 surge protection plug

Type 1 surge protection device, UL recognized component, and IEC Type 2 plug-in surge protection with varistor and thermal disconnect device for use with VAL-US base elements, mechanical and optical fault signaling

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 2910338

Packing unit 1 pc

Note Made to Order (non-returnable)

GTIN 4055626444802

Weight per Piece (excluding packing) 46.000 g

Custom tariff number 85363030

Country of origin US (United States)

Dimensions

Height 52.4 mm

Width 17.5 mm

Depth 55.3 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 $\leq$ 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

Mode of protection L-N

L-PEN

N-PE

Mounting type on base element

Color jet black RAL 9005

Housing material PA 6.6

PBT

Degree of pollution 2

Flammability rating according to UL 94 V-0

Type Male

Number of positions 1

Surge protection fault message optical

Protective circuit

Nominal voltage UN 240/415 V AC

Nominal frequency fN 50 Hz (60 Hz)

Maximum continuous voltage UC 385 V AC

Residual current IPE $\leq$ 450 μ A

Standby power consumption PC $\leq$ 175 mVA

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

Maximum discharge current $I_{max}(8/20)$ μ s 40 kA

Short-circuit current rating ISCCR 25 kA

Voltage protection level Up $\leq$ 1.8 kV

Residual voltage Ures $\leq$ 1.8 kV (at I_n)

$\leq$ 1.6 kV (at 10 kA)

$\leq$ 1.4 kV (at 5 kA)

$\leq$ 1.3 kV (at 3 kA)

TOV behavior at UT 415 V AC (5 s / withstand mode)

440 V AC (120 min / with...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / VAL-US-277/40-P 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.