INDUSTRIAL COMPONENT DATA

VAL-US-277/80-P 2910331 PHOENIX CONTACT Type 2 surge protection plug

Brand: PHOENIX CONTACT | Manufacturer Part Number: VAL-US-277/80-P



Manufacturer	PHOENIX CONTACT
MPN / Reference	VAL-US-277/80-P
Catalog number	2910331
Category	Accessories/spare parts for surge protection power supply systems
Minimum order	1 Pcs
Document ID	EO-F6AFF8E048
Generated	2026-11-18

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 2910331
Packing unit 1 pc
Note Made to Order (non-returnable)
GTIN 4055626445311
Weight per Piece (excluding packing) 83.000 g
Custom tariff number 85363030
Country of origin US (United States)
Dimensions
Height 47 mm
Width 17.5 mm
Depth 67.3 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 <= 2000 m (amsl (above mean sea level))
Permissible humidity (operation) 5 % ... 95 %
Shock (operation) 30g (Half-sine / 11 ms / 3x ±X, ±Y, ±Z)
Vibration (operation) 7.5g (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 <= 600 µA
Standby power consumption PC <= 230 mVA
Nominal discharge current In(8/20) µs 40 kA
Maximum discharge current Imax(8/20) µs 80 kA
Short-circuit current rating ISCCR 25 kA
Voltage protection level Up <= 2 kV
Residual voltage Ures <= 2 kV (at In)
<= 1.3 kV (at 10 kA)
<= 1.2 kV (at 5 kA)
<= 1.15 kV (at 3 kA)
TOV behavior at UT 480 V AC (5 s / withstand mode)
457 V AC (120 min / withsta...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / VAL-US-277/80-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.