chanhvinh.com

VAL-SPP-T2-440-NPE-P - Type 2 surge protection plug

1466692

https://www.phoenixcontact.com/in/products/1466692

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Type 2 surge protection plug, with N-PE total current spark gap for VAL-SPP base element, thermal monitoring, optical red/green status indicator.

Your advantages

- Easy and safe installation with forward-thinking handling and safety features
- Reliable system protection with maximum performance and endurance
- Can be used in a wide range of applications due to the optimized design and broad portfolio
- Simple planning due to comprehensive digital data and selectors

Commercial data

Item number	1466692
Packing unit	10 pc
Minimum order quantity	1 pc
Product key	CL138Z
GTIN	4063151860196
Weight per piece (including packing)	39.8 g
Weight per piece (excluding packing)	36.3 g
Country of origin	DE

chanhvinh.com

VAL-SPP-T2-440-NPE-P - Type 2 surge protection plug

1466692

https://www.phoenixcontact.com/in/products/1466692

Technical data

Product properties

Product type	Replacement plug
Product family	VAL-SPP
IEC test classification	II
	T2
EN type	T2
IEC power supply system	TN
Type	Male
Number of positions	1
Surge protection fault message	optical

Insulation characteristics

Overvoltage category	III
Pollution degree	3

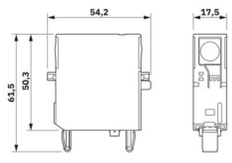
Electrical properties

Nominal frequency f_N	50 Hz (60 Hz)

Connection data

Connection method	pluggable

Dimensions

Dimensional drawing	
Width	17.5 mm
Height	54.2 mm
Depth	61.5 mm
Horizontal pitch	1 Div.

Material specifications

Color	light gray (RAL 7035)
Flammability rating according to UL 94	V-0
CTI value of material	600
Insulating material	PA 6.6
Material group	I
Housing material	PA 6.6

Protective circuit

Mode of protection	N-PE

chanhvinh.com

VAL-SPP-T2-440-NPE-P - Type 2 surge protection plug

1466692

https://www.phoenixcontact.com/in/products/1466692

Direction of action	N-PE
Nominal voltage U_N	400 V AC ±10 % (TN - only N-PE)
Nominal frequency f_N	50 Hz (60 Hz)
Maximum continuous voltage U_C	440 V AC
Residual current I_{PE}	≤ 5 µA
Standby power consumption P_C	≤ 1.5 mVA
Nominal discharge current I_n (8/20) µs	20 kA
Maximum discharge current I_{max} (8/20) µs	40 kA
Follow current interrupt rating I_{fi}	100 A
Voltage protection level U_p	≤ 2.5 kV
Residual voltage U_{res}	≤ 0.5 kV (at I_n)
	≤ 0.4 kV (at 10 kA)
	≤ 0.3 kV (at 5 kA)
	≤ 0.1 kV (at 3 kA)
Front of wave sparkover voltage at 6 kV (1.2/50) µs	≤ 2.5 kV
TOV behavior at U_T	1200 V AC (200 ms / withstand mode)
Response time t_A	≤ 100 ns

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20C (Installed)
Ambient temperature (operation)	-40 °C ... 85 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Ambient temperature (assembly)	-5 °C ... 50 °C
Altitude	≤ 5000 m (amsl)
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)

Standards and regulations

Standards/specifications	IEC 61643-11
Note	2011
Standards/specifications	EN 61643-11
Note	2012 + A11:2018

Mounting

Mounting type	on base element

chanhvinh.com

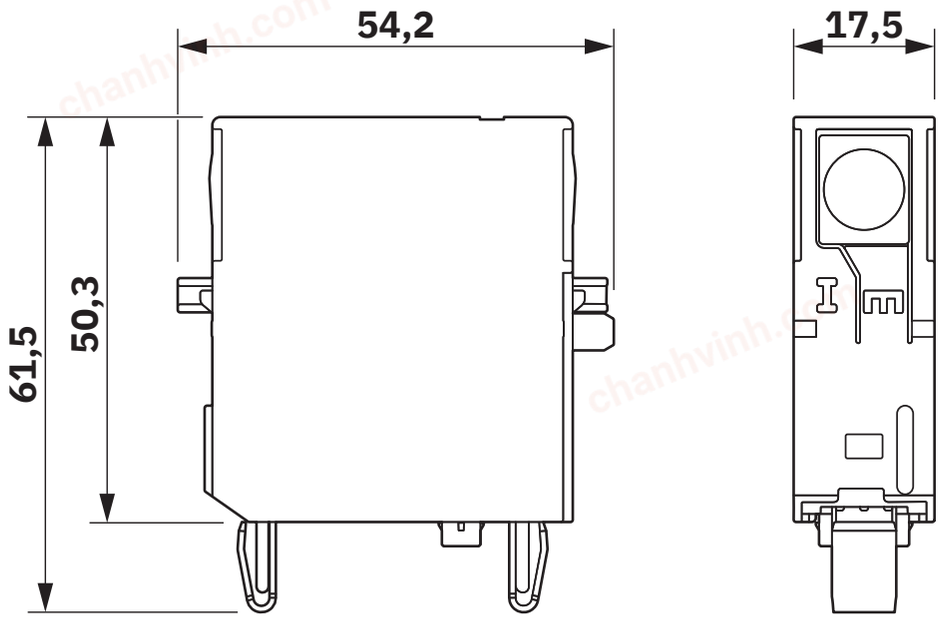
VAL-SPP-T2-440-NPE-P - Type 2 surge protection plug

1466692

https://www.phoenixcontact.com/in/products/1466692

Drawings

Dimensional drawing



Circuit diagram



chanhvinh.com

VAL-SPP-T2-440-NPE-P - Type 2 surge protection plug

1466692

https://www.phoenixcontact.com/in/products/1466692

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/in/products/1466692

IECEE CB Scheme
Approval ID: NL-109184

CCA
Approval ID: NTR NL-8052

KEMA-KEUR
Approval ID: 71-138153 REV.2

chanhvinh.com

VAL-SPP-T2-440-NPE-P - Type 2 surge protection plug

1466692

https://www.phoenixcontact.com/in/products/1466692

Classifications

ECLASS

ECLASS-11.0	27130890
ECLASS-13.0	27171292

ETIM

ETIM 9.0	EC002496

chanhvinh.com

VAL-SPP-T2-440-NPE-P - Type 2 surge protection plug

1466692

https://www.phoenixcontact.com/in/products/1466692

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%

chanhvinh.com

VAL-SPP-T2-440-NPE-P - Type 2 surge protection plug

1466692

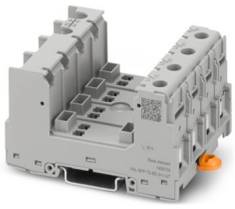
https://www.phoenixcontact.com/in/products/1466692

Accessories

VAL-SPP-T2-BE-3+1-UT - Type 2 surge protection base element

1466705

https://www.phoenixcontact.com/in/products/1466705

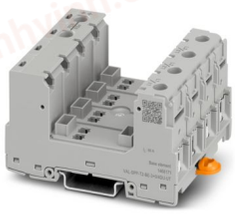


Base element for type 2/Class II arresters from the VALVETRAB SPP product family. Version for 3-phase power supply networks with separate N and PE (5-conductor system: L1, L2, L3, N, PE).

VAL-SPP-T2-BE-3+0/4DU-UT - Type 2 surge protection base element

1468171

https://www.phoenixcontact.com/in/products/1468171



Base element for type 2/Class II arresters from the VALVETRAB SPP product family. Version for 3-phase power supply networks with combined routing of PE and N in one conductor (4-conductor system: L1, L2, L3, PEN).

Phoenix Contact 2025 © - all rights reserved
https://www.phoenixcontact.com

PHOENIX CONTACT (I) Pvt. Ltd.
A-58/2, Okhla Industrial Area, Phase - II, New Delhi-110 020

+91.1275.71420
info@phoenixcontact.co.in