

Type 2 surge protection plug - VAL-CP-N/PE-350-ST-GY - 2882734


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's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



Replacement plug for VAL-CP surge arrester with N-PE spark gap.



Key Commercial Data

Packing unit	1
GTIN	 4 046356 337441
GTIN	4046356337441
Custom tariff number	85363010

Technical data

Dimensions

Height	44.8 mm
Width	11.7 mm
Depth	56.4 mm
Horizontal pitch	0.6 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)	5g (10 ... 500 Hz / 2.5 h / X, Y, Z)

Type 2 surge protection plug - VAL-CP-N/PE-350-ST-GY - 2882734

Technical data

General

IEC test classification	II
	T2
EN type	T2
IEC power supply system	TN
	TT
Mode of protection	N-PE
Mounting type	on base element
Color	light grey RAL 7035
Housing material	PBT-FR
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

Protective circuit

Nominal voltage U_N	240 V AC (TN - only N-PE)
	240 V AC (TT - only N-PE)
Nominal frequency f_N	50 Hz (60 Hz)
Maximum continuous voltage U_C	264 V AC
Residual current I_{PE}	$\leq 1 \mu A$
Nominal discharge current I_n (8/20) μs	20 kA
Maximum discharge current I_{max} (8/20) μs	30 kA
Follow current interrupt rating I_{fi}	100 A (264 V AC)
Voltage protection level U_p	≤ 1.5 kV
Residual voltage U_{res}	≤ 0.5 kV (at I_n)
	≤ 0.5 kV (at 10 kA)
	≤ 0.5 kV (at 5 kA)
	≤ 0.5 kV (at 4 kA)
	≤ 0.5 kV (at 2 kA)
Front of wave sparkover voltage at 6 kV (1.2/50) μs	≤ 1.5 kV
TOV behavior at U_T	1200 V AC (200 ms / withstand mode)
Response time t_A	≤ 100 ns

Connection data

Connection method	pluggable
-------------------	-----------

Standards and Regulations

Type 2 surge protection plug - VAL-CP-N/PE-350-ST-GY - 2882734

Technical data

Standards and Regulations

Standards/regulations	IEC 61643-11 2011
	EN 61643-11 2012

Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

Type 2 surge protection plug - VAL-CP-N/PE-350-ST-GY - 2882734

Circuit diagram



Classifications

eCl@ss

eCl@ss 10.0.1	27130890
eCl@ss 4.0	27130800
eCl@ss 4.1	27130800
eCl@ss 5.0	27130800
eCl@ss 5.1	27130800
eCl@ss 6.0	27130800
eCl@ss 7.0	27130805

Type 2 surge protection plug - VAL-CP-N/PE-350-ST-GY - 2882734

Classifications

eCl@ss

eCl@ss 8.0	27130890
eCl@ss 9.0	27130890

ETIM

ETIM 2.0	EC000941
ETIM 3.0	EC000941
ETIM 4.0	EC000941
ETIM 5.0	EC002496
ETIM 6.0	EC000941
ETIM 7.0	EC000941

UNSPSC

UNSPSC 6.01	30212010
UNSPSC 7.0901	39121610
UNSPSC 11	39121610
UNSPSC 12.01	39121610
UNSPSC 13.2	39121620
UNSPSC 18.0	39121620
UNSPSC 19.0	39121620
UNSPSC 20.0	39121620
UNSPSC 21.0	39121620

Approvals

Approvals

Approvals

ÖVE / EAC

Ex Approvals

Approval details

ÖVE		https://www.ove.at/zertifizierung-pz/zertifizierungsregister/	18583-005-08
-----	-------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------	--------------

Type 2 surge protection plug - VAL-CP-N/PE-350-ST-GY - 2882734

Approvals

EAC		RU C- DE.A*30.B01561
-----	--	-------------------------

Accessories

Accessories

Device marking

Zack marker strip - ZBN 18:UNBEDRUCKT - 2809128



Zack marker strip, Strip, white, unlabeled, can be labeled with: CMS-P1-PLOTTER, PLOTMARK, mounting type: snap into tall marker groove, for terminal block width: 18 mm, lettering field size: 18 x 5 mm, Number of individual labels: 5

Labeled device marker

Marker for terminal blocks - ZBN 18,LGS:ERDE - 2749589



Marker for terminal blocks, Strip, white, labeled, horizontal: Grounding symbol, mounting type: snap into tall marker groove, for terminal block width: 18 mm, lettering field size: 18 x 5 mm, Number of individual labels: 5

Marker for terminal blocks - ZBN 18,LGS:L1-N,ERDE - 2749576



Marker for terminal blocks, Strip, white, labeled, horizontal: L1, L2, L3, N, GND, mounting type: snap into tall marker groove, for terminal block width: 18 mm, lettering field size: 18 x 5 mm, Number of individual labels: 5

Marker pen

Type 2 surge protection plug - VAL-CP-N/PE-350-ST-GY - 2882734

Accessories

Marker pen - B-STIFT - 1051993



Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm