Type 1 surge protection plug - FLT-SEC-P-T1-N/PE-350/100-P - 2905473

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 lightning current arresters from the FLASHTRAB SEC product range, for the N-PE path.

Your advantages

- Spark gap has no line follow current
- Free of leakage current, suitable for use in the pre-meter area
- High continuous voltage of 350 V AC for 230/400 V AC networks with high voltage fluctuations
- Pluggable
- Low voltage protection level of 1.5 kV
- Optical, mechanical status indicator
- Plugs can be checked with CHECKMASTER 2

Key Commercial Data

Packing unit	1 pc
GTIN	4 046356 950725
GTIN	4046356950725

Technical data

Dimensions

Height	46.4 mm
Width	35.5 mm
Depth	59.4 mm
Horizontal pitch	2 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))

Type 1 surge protection plug - FLT-SEC-P-T1-N/PE-350/100-P - 2905473

Technical data

Ambient conditions

Permissible humidity (operation)	5 % ... 95 %
Shock (operation)	30g (Half-sine / 11 ms / 3x ±X, ±Y, ±Z)
Vibration (operation)	5g (5 - 500 Hz/2.5 h/X, Y, Z)

General

IEC test classification	I / II
	I
	T1 / T2
	T1
EN type	T1 / T2
	T1
IEC power supply system	TT
Mode of protection	N-PE
Mounting type	on base element
Color	light grey RAL 7035
Housing material	PA 6.6-FR 20% GF
	PBT-FR
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 frequency f_N	50 Hz (60 Hz)
Maximum continuous voltage U_C	350 V AC
Residual current I_{PE}	≤ 0.01 mA
Nominal discharge current I_n (8/20) µs	100 kA
Impulse discharge current (10/350) µs, charge	50 As
Impulse discharge current (10/350) µs, specific energy	2500 kJ/Ω
Impulse discharge current (10/350) µs, peak value I_{imp}	100 kA
Follow current interrupt rating I_{fi}	100 A (350 V AC)
Voltage protection level U_p	≤ 1.5 kV
Residual voltage U_{res}	≤ 1.5 kV (at I_n)
	≤ 1 kV (at 10 kA)
	≤ 0.9 kV (at 5 kA)
	≤ 0.8 kV (at 3 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

Type 1 surge protection plug - FLT-SEC-P-T1-N/PE-350/100-P - 2905473

Technical data

Connection data

Connection method	pluggable

UL specifications

SPD Type	1CA
Maximum continuous operating voltage MCOV	350 V AC
Mode of protection	N-G
Voltage protection rating VPR	1200 V
Nominal discharge current I_n	20 kA

Standards and Regulations

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

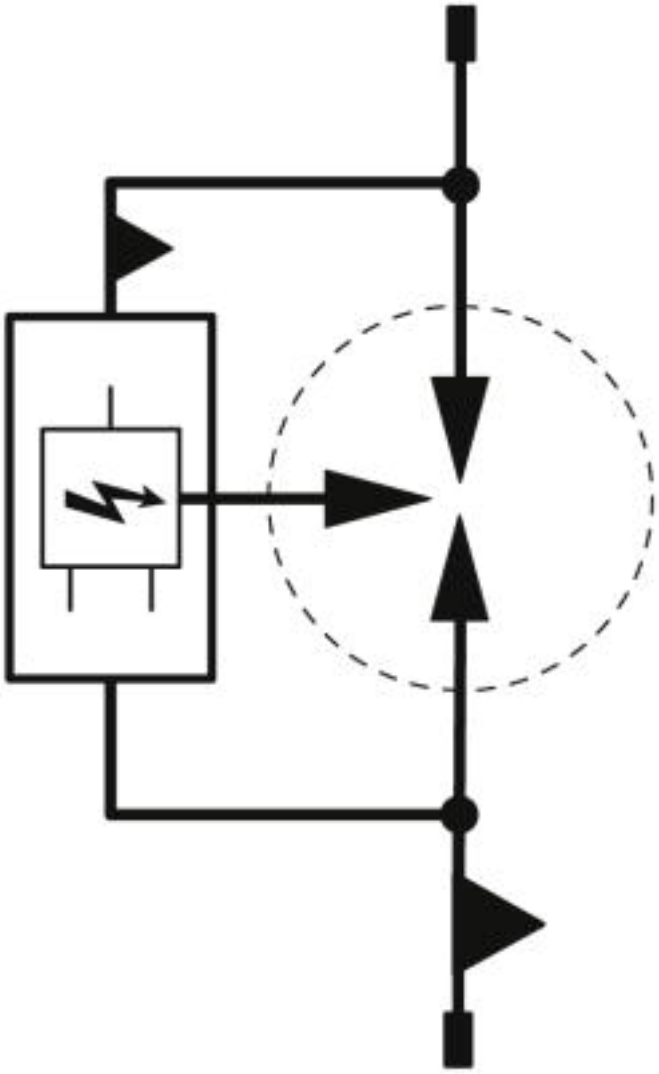
Environmental Product Compliance

	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab “Downloads”, Category “Manufacturer's declaration”

Drawings

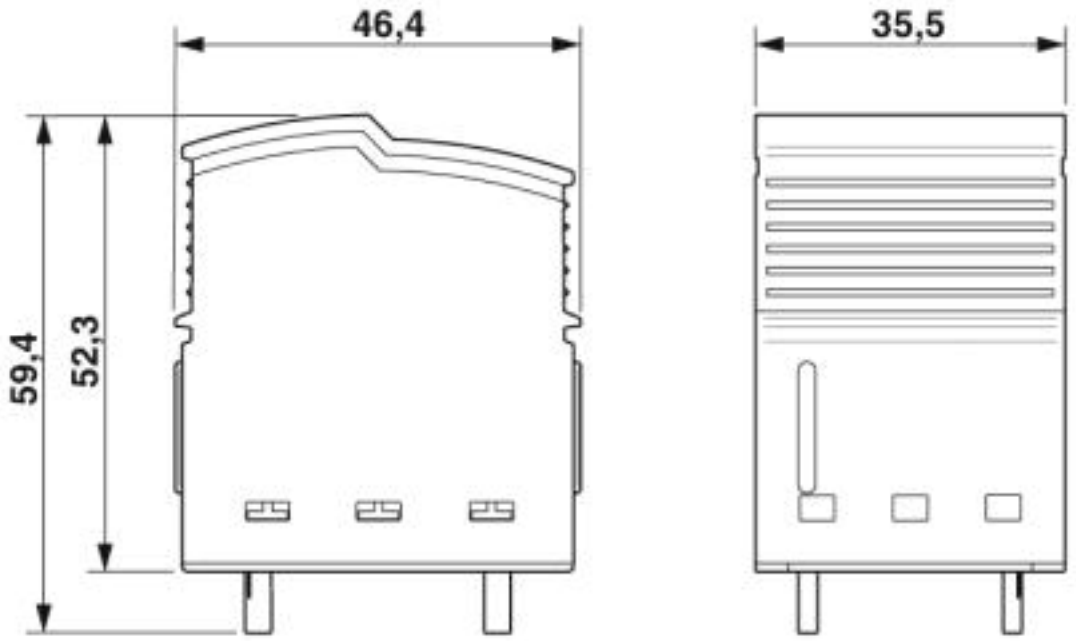
Type 1 surge protection plug - FLT-SEC-P-T1-N/PE-350/100-P - 2905473

Circuit diagram



Type 1 surge protection plug - FLT-SEC-P-T1-N/PE-350/100-P - 2905473

Dimensional drawing



Approvals

Approvals

Approvals

IECEE CB Scheme / CCA / KEMA-KEUR / GL / CCA / UL Recognized / KEMA-KEUR / cUL Recognized / IECEE CB Scheme / EAC / cULus Recognized

Ex Approvals

Approval details

IECEE CB Scheme	CB scheme	http://www.iecee.org/	NL-56588
CCA			NTR-NL 7726
KEMA-KEUR	KEMA KEUR	http://www.dekra-certification.com	71-106982

Type 1 surge protection plug - FLT-SEC-P-T1-N/PE-350/100-P - 2905473

Approvals

GL		https://approvalfinder.dnvgl.com/	13946-15 HH
CCA			NTR-NL 7736
UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 330181
KEMA-KEUR		http://www.dekra-certification.com	71-106983
cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 330181
IECEE CB Scheme		http://www.iecee.org/	NL-58252
EAC			RU C-DE.A*30.B01561
cULus Recognized			

Phoenix Contact 2019 © - all rights reserved
http://www.phoenixcontact.com

PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
http://www.phoenixcontact.com