

Type 1 surge protection plug - FLT-CP-N/PE-350-ST - 2859686

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Type 1 / Class I / B arrester (lightning current arrester) replacement plug for path N-PE, can be combined with FLASHTRAB compact series of products.



Key Commercial Data

Packing unit	10 pc
GTIN	 4 017918 956523
GTIN	4017918956523

Technical data

Dimensions

Height	46.6 mm
Width	35.45 mm
Depth	56.4 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))
Permissible humidity (operation)	5 % ... 95 %
Shock (operation)	25g (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
	T1 / T2
EN type	T1 / T2

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Technical data

General

IEC power supply system	TT
Mode of protection	N-PE
Mounting type	on base element
Color	gray/blue
Housing material	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 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	350 V AC
Residual current I_{PE}	≤ 0.01 mA
Nominal discharge current I_n (8/20) μ s	100 kA
Impulse discharge current (10/350) μ s, charge	50 As
Impulse discharge current (10/350) μ s, specific energy	2500 kJ/ Ω
Impulse discharge current (10/350) μ s, 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) μ s	≤ 1.5 kV
TOV behavior at U_T	1200 V AC (200 ms / withstand mode)
Response time t_A	≤ 100 ns

UL specifications

SPD Type	4CA
Maximum continuous operating voltage MCOV (N-G)	264 V AC
Mode of protection	N-G
Power distribution system	Split phase
Nominal frequency	50/60 Hz
Measured limiting voltage MLV (N-G)	1080 V
Nominal discharge current I_n (N-G)	20 kA

Environmental Product Compliance

REACH SVHC	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328) 25973-55-1
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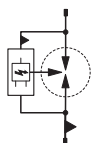
Technical data

Environmental Product Compliance

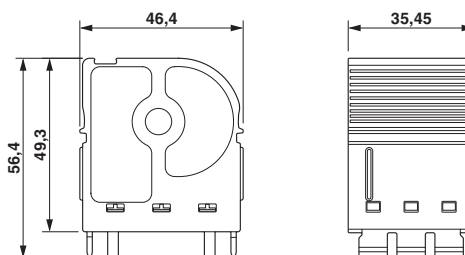
	Lead 7439-92-1
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Drawings

Circuit diagram



Dimensional drawing



Approvals

Approvals

Approvals

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

Ex Approvals

Approval details

IECEE CB Scheme		http://www.iecee.org/	NL-30110
CCA			NTR-NL 7225
KEMA-KEUR		http://www.dekra-certification.com	2161502.08
CCA			NTR-NL 7224
UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 330181

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Approvals

KEMA-KEUR		http://www.dekra-certification.com	2161502.07
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-30078
EAC			EAC-Zulassung
EAC			RU C- DE.A*30.B01561
cULus Recognized			

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