

Type 1 surge protection plug - FLT-CP-PLUS-350-ST - 2859913

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Type 1 / Class I / B arrester (lightning arrester) replacement plug for paths L-N and L-PEN, can be combined with FLASHTRAB compact series of products.

Product Features



Key commercial data

Packing unit	1 pc
Weight per Piece (excluding packing)	260.0 GRM
Custom tariff number	85363010
Country of origin	Germany

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 sinus / 11 ms / 3x ±X, ±Y, ±Z)
Vibration (operation)	5g (5 - 500 Hz/2.5 h/X, Y, Z)

General

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Technical data

General

Standards/specifications	IEC 61643-11 2011
	EN 61643-11 2012
IEC test classification	I / II
	T1 / T2
EN type	T1 / T2
IEC power supply system	TT
SPD design	Voltage-switching type
Mode of protection	L-N
	L-PEN
Mounting type	On base element
Color	gray/blue
Housing material	PBT
Pollution degree	2
Inflammability class 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)
	240 V AC (TT)
Nominal frequency f_N	50 Hz (60 Hz)
Maximum continuous voltage U_C	350 V AC
Nominal discharge current I_n (8/20) μ s	25 kA
Maximum discharge current I_{max} (8/20) μ s	50 kA
Follow current interrupt rating I_{fi}	50 kA
Short-circuit current rating I_{SCCR}	50 kA
Voltage protection level U_p	≤ 1.5 kV
Residual voltage U_{res}	≤ 1.5 kV (at I_n)
Front of wave sparkover voltage at 6 kV (1.2/50) μ s	≤ 1.5 kV
TOV behavior at U_T	415 V AC (5 s / withstand mode)
	440 V AC (120 min / withstand mode)
Response time t_A	≤ 100 ns
Max. backup fuse with branch wiring	315 A AC (gG)

UL specifications

UL class	Type 4 SPD for Type 2 applications
Maximum continuous operating voltage MCOV (L-L)	264 V AC

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UL specifications

Nom. voltage	240 V AC
Mode of protection	L-L
Power distribution system	1S
Nominal frequency	50/60 Hz
Voltage protection rating VPR (L-L)	1.2 kV
Nominal discharge current I_n (L-L)	20 kA
Follow current (L-N)	10 kA (264 V AC)

Classifications

eCl@ss

eCl@ss 4.0	27140201
eCl@ss 4.1	27130801
eCl@ss 5.0	27130801
eCl@ss 5.1	27130801
eCl@ss 6.0	27130802
eCl@ss 7.0	27130802
eCl@ss 8.0	27130802

ETIM

ETIM 2.0	EC000941
ETIM 3.0	EC000941
ETIM 4.0	EC000381
ETIM 5.0	EC000381

UNSPSC

UNSPSC 6.01	30212010
UNSPSC 7.0901	39121610
UNSPSC 11	39121610
UNSPSC 12.01	39121610
UNSPSC 13.2	39121620

Approvals

Approvals

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UL Recognized / cUL Recognized / KEMA-KEUR / CCA / IECCEB Scheme / EAC / EAC / cULus Recognized

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Approvals


Ex Approvals

Approvals submitted

Approval details

UL Recognized 

cUL Recognized 

KEMA-KEUR 

CCA

IECEE CB Scheme 

EAC

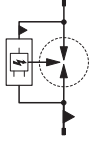
EAC

cULus Recognized 

Drawings

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Circuit diagram



Dimensional drawing

