

## 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.

### Key commercial data

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

### Technical data

#### Dimensions

Width	35.8 mm
Pitch unit	2 Div.

#### Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-40 °C ... 80 °C

#### General

Housing material	PBT
Inflammability class according to UL 94	V0
Color	gray
Standards for air and creepage distances	EN 60664-1
	IEC 60664-1
	IEC 61643-11
Mounting type	On base element
Design	DIN rail module, two-section, divisible
Number of positions	1
Surge protection fault message	Optical
Direction of action	L-N / L-PEN

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## Technical data

### Protective circuit

IEC test classification	I
	T1
EN type	T1
Lightning protection class	III-IV /50 kA (TT, TN-C-S)
Nominal voltage $U_N$	240 V AC
Maximum continuous operating voltage $U_C$	350 V AC
$U_T$ (TOV-proof)	415 V (5 s)
Nominal frequency $f_N$	50 Hz (60 Hz)
Standby power consumption $P_C$	$\leq 2$ mVA
Nominal discharge current $I_n$ (8/20) $\mu$ s	25 kA
Impulse discharge current (10/350) $\mu$ s, charge	12.5 As
Impulse discharge current (10/350) $\mu$ s, specific energy	160.00 kJ/ $\Omega$
Impulse discharge current (10/350) $\mu$ s, peak value $I_{imp}$	25 kA
Front of wave sparkover voltage at 6 kV (1.2/50) $\mu$ s	$\leq 1.5$ kV
Voltage protection level $U_p$	$\leq 1.5$ kV
Response time	$\leq 100$ ns
Max. required backup fuse with branch wiring	315 A (gL/gG)
Max. required backup fuse with V-type through wiring	125 A (gL/gG)
Recommended backup fuse maximum	160 A (gL/gG, 125 A with serial through wiring)
Short-circuit resistance $I_p$ with max. backup fuse (effective)	50 kA
Follow current quenching capacity $I_f$	50 kA (264 V AC)
	25 kA (350 V AC)

### Connection, protective circuit

Connection type IN	FLASHTRAB/VALVETRAB plug-in system
Connection type OUT	FLASHTRAB/VALVETRAB plug-in system

### Standards and Regulations

Standards/regulations	IEC 61643-1 2005
	EN 61643-11 2002
	EN 61643-11/A11 2007
	UL 1449 ed. 2

## Classifications

### eCl@ss

eCl@ss 4.0	27140201
eCl@ss 4.1	27140201

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## Classifications

### eCl@ss

eCl@ss 5.0	27140201
eCl@ss 5.1	27140201
eCl@ss 6.0	27140201
eCl@ss 7.0	27140201
eCl@ss 8.0	27140201

### ETIM

ETIM 2.0	EC000381
ETIM 3.0	EC000381
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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#### Approvals

UL Recognized / cUL Recognized / GOST / cULus Recognized

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#### Ex Approvals

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#### Approvals submitted

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#### Approval details



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

## Approvals



## Accessories

### Accessories

#### Device marking

Zack marker strip - ZBN 18:UNBEDRUCKT - 2809128



Zack marker strip, Strip, white, Unlabeled, Can be labeled with: Plotter, Mounting type: Snap into tall marker groove, For terminal block width: 18 mm, Lettering field: 18 x 5 mm

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#### Labeled device marker

Zack marker strip - ZBN 18,LGS:L1-N,ERDE - 2749576



Zack marker strip, Strip, white, labeled, Horizontal: L1, L2, L3, N, GND, Mounting type: Snap into tall marker groove, For terminal block width: 18 mm, Lettering field: 18 x 5 mm

Zack marker strip - ZBN 18,LGS:ERDE - 2749589



Zack marker strip, Strip, white, labeled, Horizontal: Grounding symbol, Mounting type: Snap into tall marker groove, For terminal block width: 18 mm, Lettering field: 18 x 5 mm

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### Accessories

#### Marker pen

Marker pen - B-STIFT - 1051993



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

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### Terminal marking

Flat zack marker sheet - ZBFM 5/WH:UNBEDRUCKT - 0803595



Flat zack marker sheet, Sheet, white, Unlabeled, Can be labeled with: Plotter, Mounting type: Snap into flat marker groove, For terminal block width: 5.2 mm, Lettering field: 5 x 4.5 mm