

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	≤ 2 mVA
Nominal discharge current I_n (8/20) μ s	25 kA
Impulse discharge current (10/350) μ s, charge	12.5 As
Impulse discharge current (10/350) μ s, specific energy	160.00 kJ/ Ω
Impulse discharge current (10/350) μ s, peak value I_{imp}	25 kA
Front of wave sparkover voltage at 6 kV (1.2/50) μ s	≤ 1.5 kV
Voltage protection level U_p	≤ 1.5 kV
Response time	≤ 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

Approvals

UL Recognized / cUL Recognized / GOST / cULus Recognized

Ex Approvals

Approvals submitted

Approval details


UL Recognized

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Approvals

cUL Recognized 

GOST 

cULus Recognized 

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

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

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