

Type 1/2 surge protection plug - FLT-CP-350-ST - 2881887

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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

package_quantity	10
GTIN	4046356098557

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	IEC 664-1
Standards for air and creepage distances	IEC 61643-1
Standards for air and creepage distances	IEC 61643-11
Mounting type	On base element
Design	DIN rail module, two-section, divisible
Number of positions	1
Message: Surge protection fault	Optical
Direction of action	L-N / L-PEN

Protective circuit

IEC test classification	I
IEC test classification	T1

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Technical data

Protective circuit

EN type	T1
Nominal voltage U_N	240 V AC
U_T (TOV-proof)	350 V (5 sec.)
Nominal frequency f_N	50 Hz
Nominal frequency f_N	60 Hz
Residual current I_{PE}	$\leq 5 \mu A$
Standby power consumption P_c	$\leq 0.35 \text{ mW}$
Nominal discharge current I_n (8/20) μs	25 kA
Impulse discharge current (10/350) μs, charge	12.5 As
Impulse discharge current (10/350) μs, specific energy	160.00 kJ/ Ω
Impulse discharge current (10/350) μs, peak value I_{imp}	25 kA
Front of wave sparkover voltage at 6 kV (1.2/50) μs	$\leq 1.5 \text{ kV}$
Voltage protection level U_p	$\leq 1.5 \text{ kV}$
Residual voltage	$\leq 1.5 \text{ kV}$ (at I_n)
Residual voltage	$\leq 1.2 \text{ kV}$ (at 10 kA)
Residual voltage	$\leq 1 \text{ kV}$ (at 5 kA)
Residual voltage	$\leq 0.9 \text{ kV}$ (at 3 kA)
Response time	$\leq 100 \text{ ns}$
Max. required backup fuse with V-type through wiring	315 A (gL / gG)
Recommended backup fuse maximum	160 A (gL / gG)
Short-circuit resistance I_p with max. backup fuse (effective)	25 kA
Follow current quenching capacity I_f (N-PE)	25 kA

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 1998
Standards/regulations	EN 61643-11 2002
Standards/regulations	UL 1449
Standards/regulations	IEEE C62.1
Standards/regulations	IEEE C62.34
Standards/regulations	IEEE C62.45

classifications

eCl@ss

eCl@ss 4.0	27140201
eCl@ss 4.1	27140201
eCl@ss 5.0	27140201
eCl@ss 5.1	27140201

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classifications

eCl@ss

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

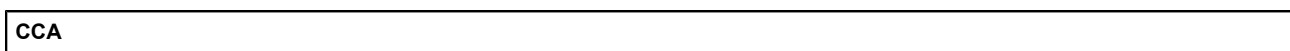
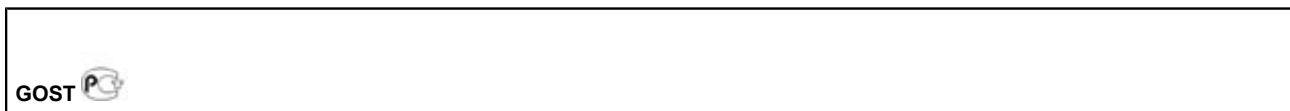
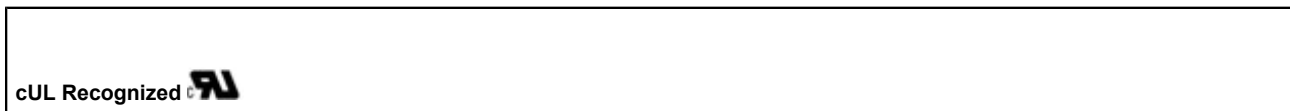
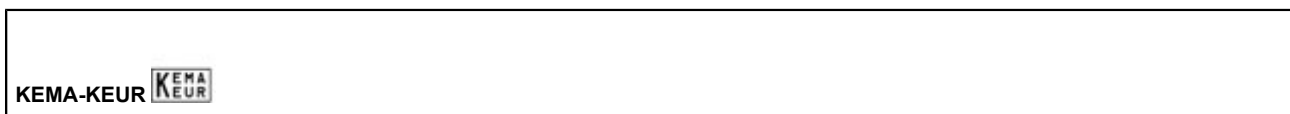
UNSPSC

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

approvals

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

Approval details



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approvals

IECEE CB Scheme 

cULus Recognized 

accessories

Device marking

ZBN 18:UNBEDRUCKT - 2809128



Labeled device marker

ZBN 18,LGS:L1-N,ERDE - 2749576



ZBN 18,LGS:ERDE - 2749589



Marker pen

B-STIFT - 1051993



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accessories

accessories

ZBN 18:SO/CMS - 0800763



Drawings

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