Surge-Trap® Monobloc STMT23 Series for fusebox

SURGE PROTECTION FOR OUTDOOR AND COMMERCIAL LED LIGHTING

POWER LINE PROTECTION FOR THE FUSEBOX/POLE BASE (IEC)



STM T23 SF is the series of robust 10kV/10kA combined Type 2+3/Class II+III devices for discharging voltage surges while providing a very fine voltage protection level, in accordance with EN/IEC 61643-11. Suitable for protection in the fusebox (mast) of LED outdoor luminaires. Due to the exposure of the extremely sensitive LED electronics to lightning–induced overvoltages, STM T23 SF is a widespread market solution amongst OEM manufacturers of LED lighting systems.

TECHNICAL DATA OVERVIEW

Class	IEC: Type 2+3
U_n	230V
U_c	320 V
Imax	10 kA
I_n (8/20)	5 kA
Body Material	PC+GF; V-0
Format	Slim monobloc
Operating temperature	-40 ... 80°C
I_{cc}	10 kA
U_{oc}	10 kV
IL	< 2.5 A
IP Code	20
Back-up fuse	25 A gG
Stranded wire Section	0.7 ... 2.5 mm²
Response Time	25 ns

FEATURES & BENEFITS

- Maximum discharge current (8/20µs): 10kA
- Nominal discharge current (8/20µs): 5kA
- Combined discharge pulse (1.2/50µs): 10kV
- Single phase networks
- DIN-rail mountable, monobloc format
- Special size for DIN-rail luminaire fuseboxes
- Visual (LED) end of life indicator
- Rated current load (IL): 2.5 A
- Surge tested and certified luminary with STM T23 SF by accredited lab
- Back-up fuse: 25 A gG

APPLICATIONS

- LED outdoor lighting

STANDARDS

- IEC 61643-11
- EN 61643-11

CE RoHS

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PRODUCT RANGE



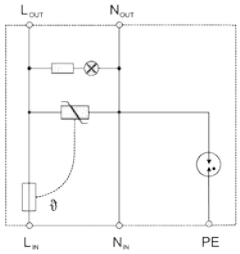
STMT23-10K320V-SP-SF

2 Poles (Series/Parallel) for Fusebox

Catalog number	Item number	U_n	U_c	I_{max} (8/20)	I_n (8/20)	U_{oc}	U_p at I_n
C4 (1Ph+N)							
STMT23-10K320V-SP-SF	83230512	230 VAC	320 V	10 kA	5 kA	10 kV	≤ 1.5 kV (L-N) ≤ 1.8 kV (N-PE)

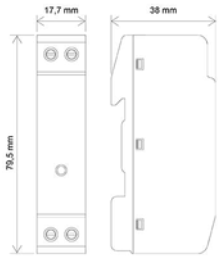
ELECTRICAL DIAGRAMS

C4(1Ph+N) - (Series/Parallel)



DIMENSIONS

Slim SPD Fusebox



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