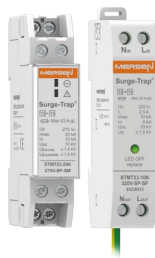


Surge-Trap[®] Monobloc STMT23 Series - 20kA Slim

SURGE PROTECTION FOR POWER LINES

DIN-RAIL IEC TYPE 2+3 / CLASS II+III



STM T23 20 S is the series of 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. Suitable as the final stage of protection in panels with Type 2 protection devices installed upstream. These SPDs should be installed as close as possible to the equipment being protected. Ideal for limited spaces. Wide range of voltage ratings.

TECHNICAL DATA OVERVIEW

Class	Type 2+3 / Class II+III
U_n	12V, 24V, 48V, 60V, 120V, 230V
I_{max} Range	6 ... 20 kA
Body Material	PC+GF; V-0
Number of Poles	2
Format	Slim monobloc
I_n (8/20) Range	3 ... 10 kA
U_{oc} Range	6 ... 10 kV
Back-up fuse	25 ... 63 A gG
Response Time	25 ns

FEATURES & BENEFITS

- Maximum discharge current (8/20 μ s): 20kA, 10kA, 6kA
- Nominal discharge current (8/20 μ s): 10kA, 5kA, 3kA
- Combined voltage pulse (1.2/50 μ s): 10kV, 6kV
- Single phase TT and TNS networks
- U_n : 12V, 24V, 48V, 60V, 120V, 230V
- Typically for use also in the corresponding DC voltages
- DIN-rail mountable, monobloc format
- For DIN-rail fuseboxes (in the pole of the luminaire)
- Visual (LED) and remote end of life indicators
- Power status (LED) indicator
- Space saving "slim" format
- Rated current load for Fusebox models (IL): 5 A
- Back-up fuse: 25 ... 63 A gG

APPLICATIONS

- Industry and automation
- Commercial and residential installations
- Telecom & IT & Data Centers
- LED outdoor lighting
- Water treatment

STANDARDS

- IEC 61643-11
- EN 61643-11



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PRODUCT RANGE



STMT23-20K275V-SP-SM

2 Poles (Parallel)

Catalog number	Item number	U _n	U _c	I _{max} (8/20)	I _n (8/20)	U _{oc}	U _p at I _n	Weight
TT/TNS (1Ph+N)								
STMT23-6K20V-SP-S	83230500	12 V	20 VAC 25 VDC	6 kA	3 kA	6 kV	≤ 0.22 kV (L1-L2) ≤ 0.7 kV (L1/L2-PE)	55 g
STMT23-6K20V-SP-SM	83230501	12 V	20 VAC 25 VDC	6 kA	3 kA	6 kV	≤ 0.22 kV (L1-L2) ≤ 0.7 kV (L1/L2-PE)	76 g
STMT23-6K30V-SP-S	83230504	24 V	30 VAC 36 VDC	6 kA	3 kA	6 kV	≤ 0.22 kV (L1-L2) ≤ 0.7 kV (L1/L2-PE)	55 g
STMT23-6K30V-SP-SM	83230505	24 V	30 VAC 36 VDC	6 kA	3 kA	6 kV	≤ 0.22 kV (L1-L2) ≤ 0.7 kV (L1/L2-PE)	76 g
STMT23-6K60V-SP-S	83230506	48 V	60 VAC 77 VDC	6 kA	3 kA	6 kV	≤ 0.33 kV (L1-L2) ≤ 0.7 kV (L1/L2-PE)	55 g
STMT23-6K60V-SP-SM	83230507	48 V	60 VAC 77 VDC	6 kA	3 kA	6 kV	≤ 0.33 kV (L1-L2) ≤ 0.7 kV (L1/L2-PE)	76 g
STMT23-6K75V-SP-S	83230508	60 V	75 VAC 100 VDC	6 kA	3 kA	6 kV	≤ 0.5 kV (L1-L2) ≤ 0.9 kV (L1/L2-PE)	55 g
STMT23-6K75V-SP-SM	83230509	60 V	75 VAC 100 VDC	6 kA	3 kA	6 kV	≤ 0.5 kV (L1-L2) ≤ 0.9 kV (L1/L2-PE)	76 g
STMT23-6K150V-SP-S	83230502	120 V	150 VAC 200 VDC	6 kA	3 kA	6 kV	≤ 0.7 kV (L1-L2) ≤ 0.9 kV (L1/L2-PE)	55 g
STMT23-6K150V-SP-SM	83230503	120 V	150 VAC 200 VDC	6 kA	3 kA	6 kV	≤ 0.7 kV (L1-L2) ≤ 0.9 kV (L1/L2-PE)	76 g
STMT23-20K275V-SP-S	83230510	230 V	275 VAC 365 VDC	20 kA	10 kA	10 kV	≤ 1.4 kV (L1-L2) ≤ 1.4 kV (L1/L2-PE)	55 g
STMT23-20K275V-SP-SM	83230511	230 V	275 VAC 365 VDC	20 kA	10 kA	10 kV	≤ 1.4 kV (L1-L2) ≤ 1.4 kV (L1/L2-PE)	76 g



STMT23-10K320V-SP-SF

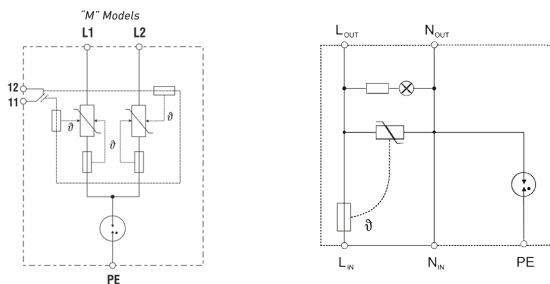
2 Poles (Series/Parallel) for Fusebox

Catalog number	Item number	U _n	U _c	I _{max} (8/20)	I _n (8/20)	U _{oc}	U _p at I _n	Weight
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)	55 g

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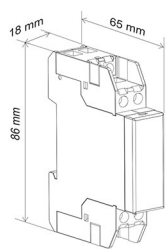
ELECTRICAL DIAGRAMS

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



DIMENSIONS

Slim SPD



Slim SPD Fusebox

