

Surge-Trap® Type 2+3 - Slim

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.

Features Benefits

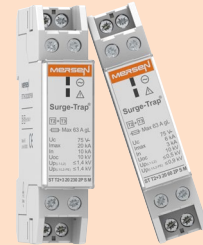
- Maximum discharge current (8/20µs): 20kA, 6kA
- Nominal discharge current (8/20µs): 10kA, 3kA
- Combined voltage pulse (1.2/50µs): 10kV, 6kV
- Single phase TT and TNS networks
- Un: 12V, 24V, 48V, 60V, 120V, 230V
- Typically for use also in the corresponding DC voltages
- DIN-rail mountable, monobloc format
- Visual (LED) and remote end of life indicators
- Power status (LED) indicator
- Space saving "slim" format

Applications

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

Technical data overview

Class	Type 2+3 / Class II+III
U _n	12V, 24V, 48V, 60V, 120V, 230V
I _{max} Range	6 ... 20 kA
I _n (8/20)	3 kA
Combined discharge voltage U _{oc}	6 kV
Body Material	PC+GF; V-0
Number of Poles	2
Format	Slim monobloc
I _{cc}	10 kA
Back-up fuse	63
Response Time	25



Standards

IEC 61643-1
EN 61643-11



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Product range



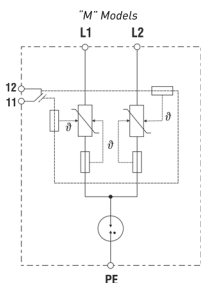
STMT23-20K275V-SP-SM

2 Poles

Catalog number	Reference number	U _n	U _c	I _{max} (8/20)	I _n (8/20)	U _{oc}	U _p at I _n
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)
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)
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)
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)
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)
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)
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)
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)
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)
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)
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)
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)

Electrical diagrams

TT/TNS (1Ph+N)



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Dimensions

2 Poles

