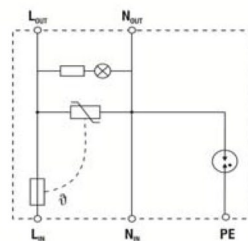
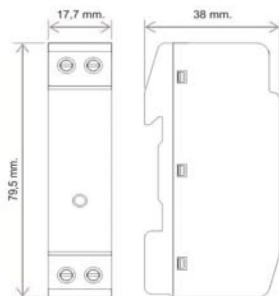


# SURGE-TRAP®

## STMT23-10K320V-SP-SF

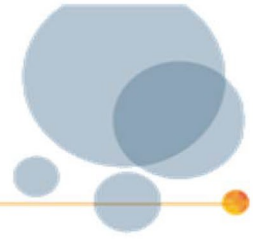
Data Sheet



Dimensions

Internal configuration

Catalog number	STMT23-10K320V-SP-SF	
Reference number	83230512	
Designation according to EN 61643-11		Type 2+3
Designation according to IEC 61643-11		Class II+III
Location category as per IEEE/ANSI C62.41.2		C-High 10 kV / 10 kA
Network configuration		TT, TN, IT
Maximum continuous operating voltage (L-N)	Uc (L-N) [V]	320
Maximum continuous operating voltage (N-PE)	Uc [V]	400
Load current AC 50-60 Hz	IL [A]	2.5
Maximum discharge current (8/20)	Imax [kA]	10
Nominal discharge current (8/20)	In [kA]	5
Combined discharge voltage (1,2/50)	Uoc [kV]	10
Voltage protection level (N-PE)	Up [kV]	≤ 1,8
Voltage protection level (L-N)	Up [kV]	≤ 1,5
Residual current	I PE [mA]	< 0,01
Maximum back-up fuse	A [gG]	< 25
Short circuit withstand	I <sub>SCCR</sub> [kA]	10
Response time (L-N)	tA [ns]	25
Response time (N-PE)	tA [ns]	100
Connection		Series / Parallel



Catalog number Reference number		STMT23-10K320V-SP-SF 83230512
Enclosure		IP 20
Insulating material & flammability class		PA66 CT1; V-0
Temperature	[°C]	-40 ... +80
Humidity	[%]	5 ... 95
Visual end of life indication		Visual LED + disconnection
Dynamic thermal disconnection (L-N)		Yes
Certifications		CE, RoHS
Luminaries insulation classification		Suitable for Class I & Class II