

# Surge-Trap<sup>®</sup> Monobloc STET23 Series - 20kA with EMI Filter

**SURGE PROTECTION FOR POWER LINES**

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



STE T23 20 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 61643-11. Complete with a built-in powerful EMI filter. Suitable as the final stage of protection in installations with electromagnetic disturbances which might interrupt, degrade or limit system performance. Series connection for applications up to 20A rated current.

## TECHNICAL DATA OVERVIEW

Class	Type 2+3 / Class II+III
$U_n$	120V, 230V
$I_{max}$	20 kA
$I_n (8/20)$	10 kA
Combined discharge voltage $U_{oc}$	6 kV
Body Material	PC+GF; V-0
Number of Poles	2
$I_{cc}$	10 kA
IL	20 A
Back-up fuse	20 A gG
Response Time	25 ns
EMI filter common mode	< 82 db
EMI filter differential mode	< 74 db

## FEATURES & BENEFITS

- Maximum discharge current (8/20 $\mu$ s): 20kA
- Nominal discharge current (8/20 $\mu$ s): 10kA
- Combined voltage pulse (1.2/50 $\mu$ s): 6kV
- Filter attenuation up to 82dB (common mode)
- Rated current load (IL): 20A
- Single phase TT and TNS networks
- $U_n$ : 120V, 230V
- DIN-rail mountable, monobloc format
- Visual (LED) and remote end of life indicators
- Power status (LED) indicator
- Back-up fuse: 20 A gG

## APPLICATIONS

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

## STANDARDS

- IEC 61643-11
- EN 61643-11



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## PRODUCT RANGE



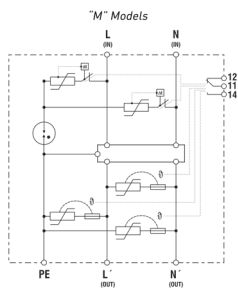
STET23-20K275V-SPM

### 2 Poles

Catalog number	Item number	$U_n$	$U_c$	$I_{max}$ (8/20)	$I_n$ (8/20)	$U_p$ at $I_n$	$I_L$	Remote
<b>TT/TNS (1Ph+N)</b>								
STET23-20K150V-SPM	83230401	120 VAC	150 V	20 kA	10 kA	$\leq 0.8$ kV	20 A	Yes
STET23-20K275V-SPM	83230403	230 VAC	275 V	20 kA	10 kA	$\leq 1.2$ kV	20 A	Yes

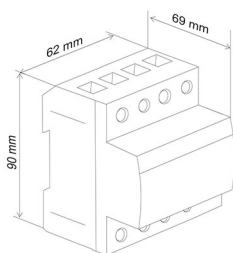
## ELECTRICAL DIAGRAMS

### TT/TNS (1Ph+N)



## DIMENSIONS

### 2 Poles



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