

# Surge-Trap<sup>®</sup> Signal - STS TEL

## SURGE PROTECTION FOR SIGNAL LINES

## TELEPHONE LINES



STS TEL is the series of surge protection devices for telephone signal lines. These are protectors for a final step of very fine protection to be installed as close as possible to particularly sensitive equipment connected to these communications lines. Meets the IEC 61643-21 standard.

## TECHNICAL DATA OVERVIEW

Class	Type C2
$U_n$	50 V
$U_c$	180 V
$I_{max}$	10 kA
$I_n$ (8/20)	5 A
Body Material	PC+FG; V-0
System type	Screw terminal
IL	0.1 A
IP Code	20
Response Time	1 ns
Bandwidth (fg)	3 MHz
End of life mode	Line interruption
Protected Wires	1 Pair

## FEATURES & BENEFITS

- Maximum discharge current (8/20 $\mu$ s): 5-10kA
- Nominal discharge current (8/20 $\mu$ s): 5kA
- Rated current load (IL): 300-500 mA
- $U_n$ : 24V, 48V
- Bandwidth (100 $\Omega$ ): 2-3MHz
- Terminal block DIN rail mounting
- Protection for digital signal lines
- 2-4 protected wires
- Space saving "slim" format

## APPLICATIONS

- Commercial and residential installations  
Telecom & IT & Data Centers

## STANDARDS

- EN 61643-21



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## PRODUCT RANGE



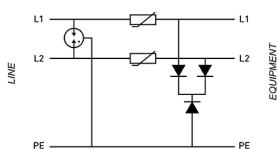
STS-TEL-ADSL

### DIN RAIL

Catalog number	Item number	$U_n$	$U_c$	$I_{max}$ (8/20)	$I_n$ (8/20)	$U_p$ at $I_n$	IL	Bandwidth (fg)	Protected Wires	Connection type
STS-TEL-ADSL	83040610	50 V	180 V	10 kA	5 kA	$\leq 200$ V	0.1 A	3 MHz	1 Pair	Terminal

## ELECTRICAL DIAGRAMS

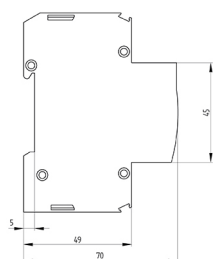
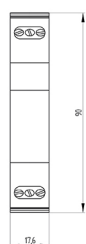
### STS-TEL



## DIMENSIONS

### STS-TEL-ADSL

### Front view



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