

STC-SS Series - Data/Signal Line Protection

The STC-SS Series suppressors are designed for the water and wastewater industry. These multi-stage hybrid suppressors address overvoltage transients with gas tube and silicon avalanche technology. In addition, sneak and electrical fault currents are mitigated with PTC devices which consist of solid-state resettable fuses. The units are encapsulated in stainless steel pipe nipples making them suitable for use in severe environments.


Application

- Water and wastewater
- Industrial applications

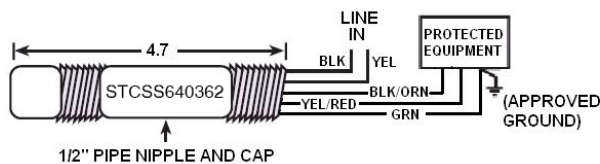
Features

- Automatic recovery features make it ideal for use in severe environments
- Transient protection for low-voltage signal lines
- Gas tube and silicon avalanche technology
- Sneak/fault current protection
- Resettable solid-state fuses - PTCs
- Differential and common mode protection
- Multi-stage hybrid suppressor
- Encapsulated in stainless steel pipe nipples
- UL497B Certified
- Five year limited warranty

Certifications and Compliances

-  Listed
- UL 497B
- RoHS Compliant

Dimensional Drawing



Selection Table

Catalog Number	Description
STCSS640362	1/2" Metal Conduit Capped

Specifications

Description	Signal Line Protection
Operating Voltage	28 Vdc
Maximum Operating Current	150 mA
Clamping Voltage	(L-G) 36 Vdc (L-L) 72 Vdc
Peak Surge Current	10 kA (8x20 μs)
SPD Technology	GDT/PTC/SAD Hybrid
Frequency Range	0 to 20 MHz
Insertion Loss	<0.1 dB at 20 MHz
Series Resistance (per Conductor)	5 Ohms (typical)
Capacitance (Zero Volts Bias)	(L-G) 1200 pf (typical) (L-L) 600 pf (typical)
Operating Temperature	-40 °C to +85 °C
Life Cycle	400 @ 500 Amps (10x1000 μs)
Weight – lbs (kg)	0.35 (0.16)
Certifications	UL 497B
Warranty	5 year limited warranty