



# SST Series

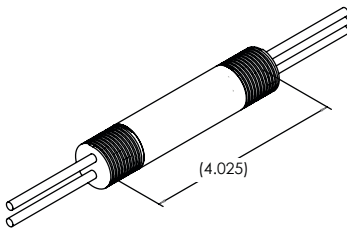
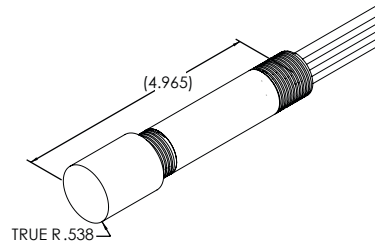
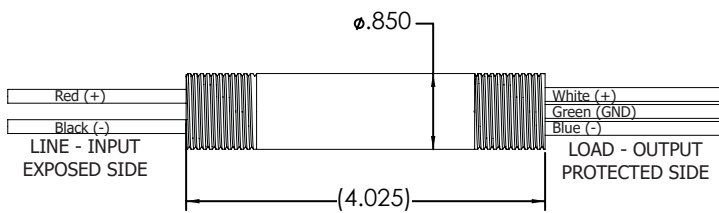
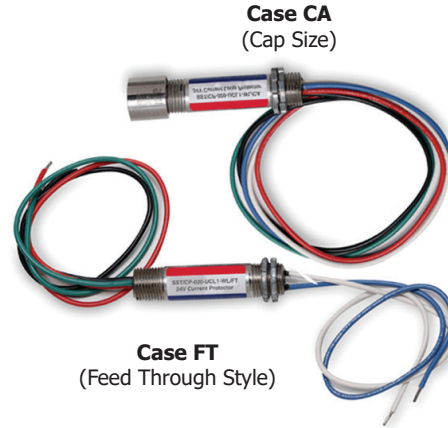
## 4-20mA Loop Surge Protection Device

**Transient Voltage Surge Suppression for discrete signaling 4-20mA protocols.** Units provide protection against any Transient Voltage that exceeds the nominal signaling voltage. Each line is **protected against surge** current impulses **up to 10kA**.

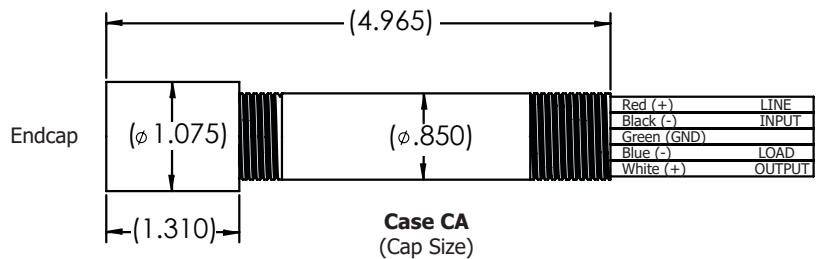
The **SST Series** is configured to **work in series or parallel** with the measurement/control lines being protected, diverting harmful transient energies while maintaining a tight clamp at the peak voltage. SST Signaling units **protect 1 circuit consisting of 2 wires** (1 pair) plus ground.

Units are designed to operate in a wide temperature range and are ideal for the protection of 4-20mA current loop transducers, and similar instrument/control applications.

Consult the factory with any special package and circuit performance requirements.



**Case FT**  
(Feed Through Style)



**Available Wire Sizes:** 14 AWG, 16 AWG (Standard), 18 AWG and 20 AWG  
**Available Ground Wire Sizes:** 16 AWG (Standard) and 18 AWG

*(Diagrams not drawn to scale)*

Product Specifications			
Max. Surge Current	10 kA per Wire	Enclosure	Stainless Steel 316L 1/2" NPT
Max. Operating Voltage	24 or 48 VDC	Max. Operating Temp	-55° to +85° C
Response Time	< 1 nanosecond	Connection Method	#16 AWG Tinned Copper Wires
Series Resistance	5.1 Ohms per Wire/Line	Warranty	15 Year Product Warranty
Modes of Protection	L-L and L-G		

Model Number	Clamp Voltage	Application	Max. Operating Voltage
SST/CP-020-UCL1-WL/CA	24V Capped	4 – 20mA loop	24 Vac
SST/CP-020-UCL2-WL/CA	48V Capped	4 – 20mA loop	48 Vdc
SST/CP-020-UCL1-WL/FT	24V Feed Through	4 – 20mA loop	24 Vdc
SST/CP-020-UCL2-WL/FT	48V Feed Through	4 – 20mA loop	48 Vdc

All product dimensions provided are ± 0.125

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