

Surge Protective Device for Haul Rope Sensors

SLT/SO SERIES

The **SLT/SO Series** is specifically engineered to provide maximum protection for haul rope proximity sensors. These high-energy surge protection devices are designed to mount directly in the messenger boot and parallel with control signal lines allowing for fast and orderly field retrofitting.

The **SLT/SO Series** was developed in order to reduce the frequency of proximity sensor failures due to induced surge energies on messenger cables due to lightning and/or electrostatic charge buildup. Unit provides 6 wire Line to Ground Protection. Proper installation of the **SLT/SO Series** can significantly reduce off-season maintenance by eliminating the need to disconnect or remove sensors.



Device mounts on Terminal Block



Boot

Product Specifications

Max. Surge Current	8kA or 10kA
Max. Operating Voltage	36 Volts DC
Max. Operating Frequency	15 MHz
Max. Clamp Voltage	54.4 Volts @ 200 Amps/450 Volts
Surge Technology	High Energy Silicon Avalanche Diode Array (SAD)
Energy Rating/Wire	402.5 Joules
Response Time	< 1 picosecond
UL Flammability Class	94 V-0
Terminals	Cage Clamp design for AWG #20 - #12 @ 20 Amps
Max. Operating Temp	-40 to +125 C
Warranty	10 Year Product Warranty



Ordering Information

Model Number	Max Operating Volt	Protected Modes	Application	Wires Protected
SLT/SO-060-B51-LG	36 Volts DC	L-G	Haul Rope Sensor	6 Wires



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