



Edco SLAC Series AC Power/Signal

The Edco SLAC Series suppressor was specifically designed to protect electronic instruments used by the water/wastewater industries. It combines hybrid AC power protection and signal line protection in a NEMA-4X polycarbonate case. The AC power suppressor can supply up to 1875 Watts and has a 15 Amp replaceable fuse to prevent overloading of the protective elements. A “Power ON” LED provides visual indication that power is applied to instruments. Signal line protection is accomplished by the Edco PC642 Series available in a variety of voltage clamps. Signal current can be monitored by reading the voltage across the 10 V, 1% resistors (TP1 & TP2 or TP3 & TP4). All leads going to the Edco SLAC board are terminated by quick disconnect or barrier block connectors to facilitate easy removal for service or replacement.

Features

- Optional twist lock plug lightning & surge suppression for AC power and low-voltage signal lines
- Series hybrid AC suppressor/filter
- Plug-in protection module
- 15 Amp replaceable fuse
- Test jacks for signal line monitoring
- “Power ON” indicator
- Optional stainless steel or fiberglass enclosure
- 5 year warranty

General Technical Specifications AC Power

Technology	Three-Stage Series Hybrid	
Input Voltage	120 VAC 50/60 Hz	
Output Current	15 Amps Max.	
Response Time	<5 Nanoseconds	
Maximum Surge Current (8x20 μs)	10 kA	
Occurrences at 500 Amps	>50	
Parameter	Normal Mode (L-N)	Common Mode (L-G) (N-G)
IEEE 587 CAT A Ring*	172 V	280 V
IEEE 587 CAT B Ring*	205 V	280 V
IEEE 587 CAT B Impulse*	330 V	360 V

*Measured from zero volts, 90° Phase angle

General Technical Specifications Signal Line

Technology	Series Hybrid
Peak Surge Current	10 kA
Response Time	<1 Nanosecond
Voltage Clamp (customer selected)	8–200 Volts
Series Resistance	5 Ω (Typical)

Standard Enclosure

NEMA-4X
Glass-Filled Polycarbonate Base
Cover Molded in Clear Polycarbonate
Knockouts for 1/2" and 3/4" hubs
Bosses for 6 BZ x 3/8" Self-Tapping Screws
Maximum Protection—Total Insulation
Corrosion Resistant
Resists Temperature of 248°F
Flammability Rating UL94-5V
Nominal Outside dimensions (Inches)
H= 6.89, W=6.89, D=2.95

Optional Enclosure

NEMA-4X
Stainless Steel or Fiberglass
Continuous Hinge
Nominal Outside Dimensions (Inches)
H=10, W=8, D=4

Ordering Information

