

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 ohm, 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.



General Technical Specifications

| | | |
|--|------------------------------------|-------------------------|
| AC Power Technology | Three-Stage Series Hybrid | |
| Voltage Clamp | 325 VAC | |
| Input Voltage | 120 VAC 50/60 Hz | |
| Output Current | 15 Amps Max. | |
| Response Time | <5 Nanoseconds | |
| Maximum Surge Current (8x20 μs) | 39 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 | | |
| Signal Line Technology | Three-Stage Series Hybrid | |
| Peak Surge Current (8x20 μs) | 10 kA | |
| Response Time | <5 Nanoseconds | |
| Voltage Clamp (customer selected) | 8–200 Volts | |
| Series Resistance | 5 ohm (Typical) | |
| Certification | UL 1449 3rd Edition (2009), Type 2 | |

Standard Enclosure

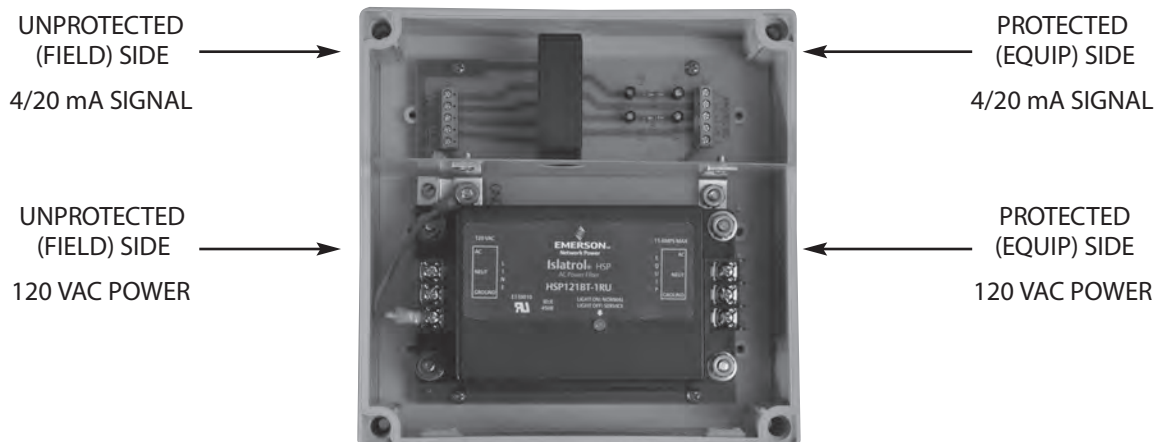
| | |
|---|---------------------------------------|
| NEMA-4X | Corrosion Resistant |
| Polycarbonate Base | Resists Temperatures up to 250 deg. F |
| Smoked Grey Transparent Cover | Flammability Rating UL94-5V |
| Knockouts for 20mm and 32mm | Nominal Outside Dimensions (inches): |
| Bosses for 6-32 x 3/8 self-tapping screws | H=7.1, W=7.1, D=3.0 |
| Maximum Protection-Total Insulation | |

Features

- Lightning and 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

Optional Enclosure

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



Installation

Signal Line Connections:

- Connect GND Terminal to Local Ground using #12 AWG wire minimum
- L1 and L2 – Connect for Signal Pair #1
- L3 and L4 – Connect for Signal Pair #2
- Terminals accept #24-#14 AWG wire, torque to 4kg-cm
- “S” Connection for Cable Shield (if applicable)

CAUTION: Do not place this product in service on any signal line capable of supplying more than 150 milliamperes continuously.

AC Power Connections:

- Connect AC Power as Marked on Case using #12 AWG wire minimum
- Keep 120 VAC Power feed separate from Low Voltage 4/20 mA feed

Technical Support

Phone: 1.800.377-4384 or 1.847.268.6651

E-mail: solahd.technicalservices@emerson.com

Web site: www.solahd.com

Ordering Information

*For Standard Unit order part # SLAC-12036

SLAC — 123 LC

| | | | |
|---|---|-----|--------------------------------|
| 1 | = | 0 | No Enclosure |
| | | 1 | Polycarbonate Case (Standard) |
| | | 2 | Stainless Steel (Optional) |
| 2 | | 3 | Fiberglass (Special) |
| | = | 0 | Without PC642 Signal Protector |
| | | 2 | With PC642 |
| 3 | = | 036 | PC642 Voltage Clamp Selection |
| | | 043 | |

Данный компонент на территории Российской Федерации

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<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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