



SA-162

SURGE ELIMINATOR & POWER CONDITIONER

- *Advanced Series Mode*® Surge Elimination
- *Impedance Tolerant*® EMI/RFI Filtering

The SA-162 provides guaranteed surge elimination and power conditioning for environments with complex mains distribution systems. Our proven, robust technologies and unmatched level of certification make SurgeX essential for Pro AV, IT, Medical, Government, Military and all mission critical applications.

The SA-162 provides proven SurgeX technologies in a form factor suitable for compact installations, portable use or retro-fitting installations with existing power distribution facilities. It is an ideal power condi-

tioning solution for situations where rackmount or other fixed installation products are unsuitable. The SA-162 is rated for 16 amps and has 2 industrial grade mains receptacles. The SA-162 provides *Advanced Series Mode*® guaranteed surge elimination alongside both common mode and normal mode *Impedance Tolerant*® EMI/RFI filtering.

When fitted with the optional mounting brackets the SA Series can be mounted in convenient and discrete locations for fixed installations that require a transparent solution.



SURGEX
International

Professional AC Power Products
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SURGE ELIMINATOR & POWER CONDITIONER

- **Advanced Series Mode**[®] Surge Protection
- **Impedance Tolerant**[®] EMI/RFI Filtering

SPECIFICATIONS

Protection Type : Advanced Series Mode[®]
Load Rating: 16 amps @ 230 volts, 50Hz / 60Hz
Power Requirement: 3 watts
Surge Let-Through Voltage (6000-volt surge) : 0 volts
Safety Certification: IEC/EN 61643-1
Performance Rating: Grade A, Class 1, Mode 1
EMI/RFI Filter, Normal Mode (50-ohm load):
40dB @ 100kHz; 50dB @ 300kHz;
50dB @ 3MHz; 50dB @ 30MHz
EMI/RFI Filter, Common Mode (50-ohm load):
18dB @ 300kHz; 30dB @ 1MHz;
50dB @ 5MHz; 50dB @ 20MHz
Maximum Applied Surge Voltage: 6000 volts*
Maximum Applied Surge Current:
Unlimited, due to current limiting*
Maximum Applied Surge Energy:
Unlimited, due to current limiting*
Endurance (C62.41-1991 Category B3 pulses):
1 kV > 500,000; 3 kV > 10,000; 6 kV > 1000
Dimensions: 10.7cm H x 26cm W x 10.5cm D
4.21" H x 10.24" W x 4.13" D
Weight: 3.3Kg (7.28lbs)
Temperature Range : 5° to 35°C
Humidity Range: 5% to 95% R.H., non-condensing
* 1.2 x 50 μ s pulse, industry standard combination wave surge, as per IEEE C62.41

TECHNICAL DESCRIPTION

The SA-162 surge eliminator shall be a compact standalone unit in a magnetic shielding steel enclosure. It shall operate from 230 volts AC 50Hz / 60Hz and have a 2.5m power cord. There shall be 2 earthed mains receptacles. Overall dimensions shall be 260mm x 107mm x 105mm (10.24" x 4.21" x 4.13"). Weight shall be 3.3Kg (7.28lbs).

The surge eliminator shall have a load rating of 16 amps at 230 volts, a self-test circuit with a visual indicator and provide EMI/RFI filtering. It shall meet Grade A, Class 1, Mode 1 guidelines for powerline surge suppressors and withstand at least 1000 occurrences of surge pulse voltages up to 6000 volts. The SA-162 shall be safety certified to IEC/EN 61643-1.

FEATURES

- Magnetic shielding steel enclosure
- 2.5m power cord with CEE7/7 plug
- 2 grounded CEE7/7 mains receptacles
- **Advanced Series Mode**[®] surge elimination
- **Impedance Tolerant**[®] EMI/RFI filtering
- Self-test circuit with visual indicator
- 10-year warranty
- **Engineered in the U.S.A.**



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This product, including its components and/or processes carried out thereby, are covered by one or more of the following:
U.S. Pat. No. 4,870,534, 4,870,528, 6,728,089, 6,744,613, 7,068,487. Can. Pat. No. 1,333,191, 1,332,439. Other Patents Pending.