SURGEX International

THE MOST TRUSTED NAME IN POWER PROTECTION


# SX1216i

## SURGE ELIMINATOR & POWER CONDITIONER

• Advanced *Series Mode*® Surge Protection • *Impedance Tolerant*® EMI/RFI Filtering

**The SX1216i 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 units are 16-amp load-capable and have 10 industrial grade earthed IEC/AC receptacles (8 switched, 2 always on) plus a front-panel courtesy receptacle. A rear panel warning light will indicate incorrect polarity of the AC supply.

The unit features both common mode and normal mode *Impedance Tolerant*® EMI/RFI filtering for a comprehensive power conditioning solution.

SurgeX Advanced *Series Mode*® technology is superior to conventional MOV circuitry or MOV-Hybrid designs and is completely non-sacrificial. Our zero let-through technology provides the most reliable protection available. It stops all surges up to 6,000 volts (unlimited surge current) without producing harmful side effects such as earth contamination or common-mode disturbances.

CERTIFIED A-1-1 SURGE PROTECTION TECHNOLOGY

CE

RoHS compliant

NO MOVs

SURGEX International

Professional AC Power Products

www.surgexinternational.com

10-YEAR WARRANTY

**POWER PROTECTION YOU TRUST**

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## SURGE ELIMINATOR & POWER CONDITIONER

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### SPECIFICATIONS

**Load Rating:** 16 amps @ 230 volts, 50Hz / 60Hz
**Power Requirement (no load):** 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 @ 100 kHz; 50 dB @ 300 kHz; 50 dB @ 3 MHz; 50 dB @ 30 MHz
**EMI/RFI Filter, Common Mode (50-ohm load):** 18dB @ 300 kHz; 30 dB @ 1 MHz; 50 dB @ 5 MHz; 50 dB @ 20 MHz
**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:** 4.5cm H x 48.3cm W x 26.7cm D
1.75" H x 19" W x 10.5" D
**Weight:** 5.0 kg (11 lbs)
**Temperature Range:** 5º to 35º C
**Humidity Range:** 5% to 95% R.H., non-condensing.

*1.2 x 50 µs pulse, industry standard combination wave surge, as per IEEE C62.41

### TECHNICAL DESCRIPTION

The SX1216i shall be a one-rack-space 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 10 earthed AC receptacles on the back panel, with 8 switched and 2 always on. In addition, there shall be a single always-on receptacle on the front panel. Overall dimensions shall be 4.5cm x 48.3cm x 26.7cm (1.75" H x 19" W x 10.5"D). Weight shall be 5Kg (11Lbs).

The SX1216i shall have a load rating of 16 amps at 230 volts, a self-test circuit with visual indicator, and provide EMI/RFI filtering. There shall be a rear panel polarity warning indicator. 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 SX1216i shall be safety certified to IEC/EN 61643-1.

### FEATURES

- Magnetic shielding steel enclosure
- 2.5m power cord
- 10 earthed AC receptacles on rear panel (8 switched, 2 always on)
- 1 earthed AC receptacle on front panel
- Advanced *Series Mode*® surge protection
- Advanced *Impedance Tolerant*® EMI/RFI filtering
- Thermal circuit breaker overload protection
- Self-test circuit with visual indicator
- Polarity indicator
- 10-year warranty
- **Engineered in the U.S.A.**


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