



SX2216

SURGE ELIMINATOR & POWER CONDITIONER

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

The SX2216 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 SX2216 is 16-amp load-capable and has 6 industrial grade earthed CEE7/7 outlets (5 switched and 1 always on) plus a front-panel courtesy outlet. 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 complete 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.



SURGE International

Professional AC Power Products
www.surgexinternational.com

10-YEAR WARRANTY
POWER PROTECTION YOU TRUST

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• **Advanced Series Mode**[®] Surge Elimination • **Impedance Tolerant**[®] EMI/RFI Filtering

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;
50dB @ 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: 9cm H x 48.3cm W x 26.7cm D
3.5" H x 19" W x 10.5" D

Weight: 5.8 kg (12.76 lbs)

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 SX2216 shall be a two-rack-space unit in a magnetic shielding enclosure. It shall operate from 230 volts AC 50Hz / 60Hz and have a 2.5m power cord. There shall be 6 earthed CEE7/7 AC outlets on the back panel, with 5 switched and 1 always on. In addition the unit shall have a front panel courtesy outlet. Overall dimensions shall be 9cm x 48.3cm x 26.7cm (3.5" H x 19" W x 10.5" D). Weight shall be 5.8 kg (12.76 lbs).

The SX2216 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 SX2216 shall be safety certified to IEC/EN 61643-1.

FEATURES

- Magnetic shielding steel enclosure
- 2.5m power cord
- 6 earthed AC outlets on rear panel (5 switched and 1 always on)
- Front panel courtesy outlet
- *Advanced Series Mode*[®] surge elimination
- *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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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.