



SX2216RT

SURGE ELIMINATOR & POWER CONDITIONER

- *Advanced Series Mode*[®] Surge Elimination
- *SurgeX ICE*[®] Inrush Current Elimination
- Remote Control Capability
- *Impedance Tolerant*[®] EMI/RFI Filtering
- *COUVS*[®] Catastrophic Over/Under-Voltage Shutdown

The SX2216RT provides guaranteed surge elimination and power conditioning for environments with complex mains distribution systems or system critical boot-up sequences. The SX2216RT is an ideal power platform product for use in mains power distribution systems and can be interfaced with master control systems and other SurgeX products. Our proven, robust technologies and unmatched level of certification make SurgeX essential for Pro AV, IT, Medical, Government, Military and all mission critical applications.

Switched receptacles can be controlled with an applied voltage (5-30 vdc) or contact closure switch connected to the Phoenix connector on the back panel. The connector can also be used to cascade multiple units or provide status to a central controller.

The SX2216RT provides guaranteed surge elimination and power conditioning for audio, video, broadcast and computer equipment. The units are 16-amp load-capable and have 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, *SurgeX ICE*[®] - Inrush Current Elimination and *COUVS*[®] - Catastrophic Over/Under Voltage Shutdown for a complete power conditioning solution.

SurgeX *Advanced Series Mode*[®] technology is superior to conventional MOV circuitry or MOVHybrid 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.



SURGEX[®] International

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SPECIFICATIONS

Load Rating: 16 amps @ 230 volts, 50Hz / 60Hz
Power Requirement (no load): 6 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.
Undervoltage Shutdown: 180 volts (auto resetting)
Overvoltage Shutdown: 280 volts (auto resetting)
Maximum Load Inrush Current During Power-up:
1000 Joules
Remote Turn-on Applied Voltage Range: 5 to 30 volts DC
Remote Turn-on Current Draw:
Contact Closure: 1.5 mA
5 V DC Applied Voltage: 0.1 mA
12 V DC Applied Voltage: 1.5 mA
24 V DC Applied Voltage: 5.0 mA
Auxiliary Relay Contact Rating: 30 Volts at 1 Amp
LED Output: 12 volts DC, maximum 20 mA (resistor required)
Dimensions: 9cm H x 48.3cm W x 26.7cm D
3.5" H x 19" W x 10.5" D
Weight: 6.4 kg (14.08 lbs)
Temperature Range: 5° to 35° 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 SX2216RT 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. The unit shall have a front panel courtesy outlet and remote control capability with a visual indicator. Overall dimensions shall be 9cm x 48.3cm x 26.7cm (3.5" H x 19" W x 10.5" D). Weight shall be 6.4 kg (14.08 lbs)

The SX2216RT shall have a load rating of 16 amps at 230 volts, a self test circuit with visual indicator, and provide EMI/RFI filtering, inrush current elimination and catastrophic over/under voltage shutdown. 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 SX2216RT 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
- Remote control compatible
- **Advanced Series Mode®** surge elimination
- **Impedance Tolerant®** EMI/RFI filtering
- **SurgeX ICE®** inrush current elimination
- **COUVS®** catastrophic over/under voltage shutdown
- 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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