



THE MOST TRUSTED NAME IN POWER PROTECTION



SXN1230

SURGE ELIMINATOR & POWER CONDITIONER

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

The SXN1230 provides guaranteed surge elimination for dedicated power lines. The unit comes in a 12" x 12" x 4" NEMA enclosure and meets code for use in ceiling plenums. The SXN1230 is 20-amp load capable and is specifically designed for international use in 230 volt systems with single-phase power requirements. The standard model has one surge elimination module. 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 ground contamination or common-mode disturbances.



Professional AC Power Products
www.SurgeXInternational.com

10-YEAR WARRANTY
POWER PROTECTION YOU TRUST

SXN1230

SURGE ELIMINATOR & POWER CONDITIONER

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

SPECIFICATIONS

Load Rating: 20 amps @ 230 volts. (single phase)

Power Requirement (no load): 3 watts.

Surge Let-Through Voltage (6000-volt surge):
0 volts.

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: 25.4 x 20.3 x 10.7 cm
(10.0" H x 8.0" W x 4.0" D)

Weight: 4.5Kg (10 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 SXN1230 shall be housed in a magnetic shielding NEMA steel enclosure for interior installations. It shall operate from 230 volts AC and have a barrier strip accessible through knock-outs in the enclosure for hardwiring power input and output connections. Overall dimensions shall be 10.0" H x 8.0" W x 4.0" D. Weight shall be 4.5 Kg / 10.0 pounds. The SXN1230 shall have a load rating of 20 amps at 230 volts, a self-test circuit with visual indicator and provide EMI/RFI filtering. It shall meet Grade A, Class 1, Mode 1 guidelines for power line surge suppressors and withstand at least 1000 occurrences of surge pulse voltages up to 6000 volts. The SXN1230 shall be tested and certified to IEC/EN 61643-1.

FEATURES

- Magnetic shielding steel enclosure
- *Advanced Series Mode* surge protection
- *Advanced Impedance Tolerant* EMI/RFI filtering
- Self-test circuit with visual indicator
- 10-year warranty

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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.