SPP-2200 Series

220 VAC Wire In Surge Suppressor

Features:

- Exceeds recommendations for IEEE/ANSI C62.41.2-2002 Categories A3 & B3 and UL1449 Second Edition.
- Powerful “no wear out” design.
- Meets severity level 4 of IEC/EN 61000-4-4 and 61000-4-5.
- Unique long life design combined with EMI/ RFI filtering provide the most effective protection.
- Rugged epoxy molded case mounts easily inside equipment or on panel or wall.
- Both differential and common mode suppression and filtering.
- Can be hard wired into power distribution lines in the most severe industrial environments.
- Sub nanosecond response time stops failures due to lightning, spikes, and over voltage surges on main power entry panel servicing electronic equipment, while minimizing other electrical noise.
- Automatically resets after each transient. No maintenance is required.

Applications:

The SPP-2200 OEM Series is normally installed inside measurement and control equipment, computers, terminals, motor controllers, instrumentation, telemetry equipment, etc. Commonly used by control System Integrators.

Effective protection for air conditioning (HVAC), remote site controls and other industrial environments.

Other power and multiple phase models are available as well as DC versions.

Typical Installation:

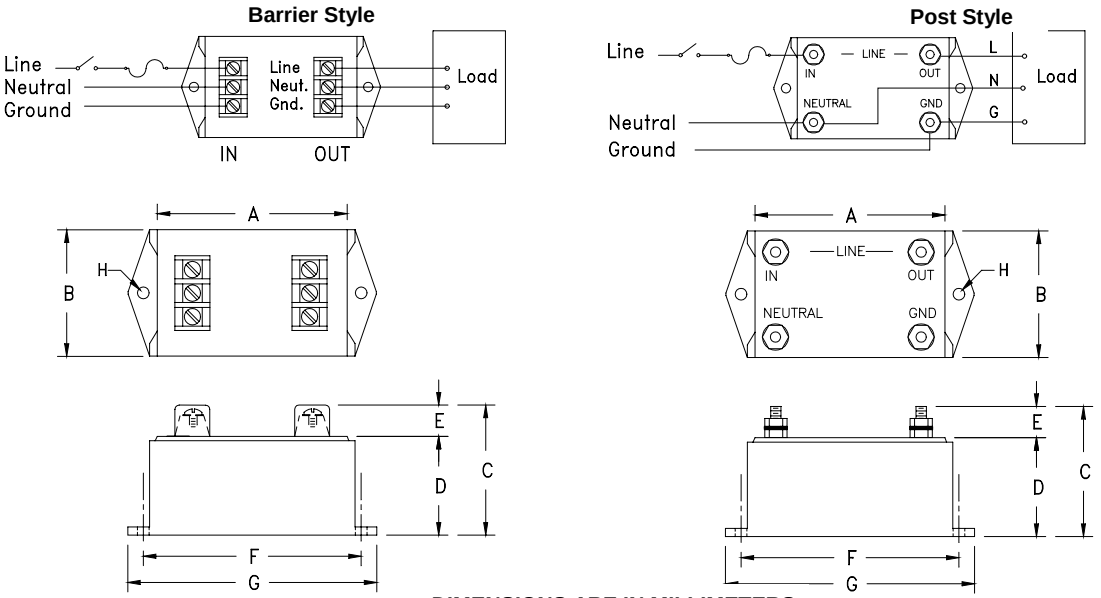
Install the SPP-2200 Series after the AC power line switch and fuse, and as close to the electronic equipment it protects as possible. The ground terminal must be connected to a good earth ground (AWG #14 or larger). Dress output (clean) AC lines away from incoming power lines. The suppressor contains no internal fuse and can fail short under direct lightning exposure; therefore, proper fusing is essential. Heat sinking is not required.

SPP-2200 Series Operating Specifications:

Specifications	SPP-2201	SPP-2202	SPP-2203	SPP-2204	SPP-2204A
Operating Line Voltage Rating 50/60 Hz	220/240 VAC	220/240 VAC	220/240 VAC	220/240 VAC	220/240 VAC
Maximum Operating Line Current	10 Amps	20 Amps	30 Amps	10 Amps	5 Amps
MCOV (Max. Continuous Operating Voltage) VAC	275	275	275	275	275
Suppressed Voltage Rating (Vpk)	Not Rated	600V(L-N), 700V (L-G, N-G)			
Maximum Transient Voltage*	20 kV	20 kV	20 kV	20 kV	20 kV
Maximum Transient Current*	10 kA	10 kA	10 kA	10 kA	10 kA
Frequency Attenuation	100 kHz -25 dB, 10 MHz -55 dB				
Maximum Leakage Current (Line-Gnd)	1.0 mA @ 220 VAC / 60 Hz				
Response Time	Less than 1 nanosecond				
Operating & Storage Temperature	-40 degrees Celsius to +85 degrees Celsius				

Consult the factory for other applications and operating conditions and specifications. All specifications at 25 degrees Celsius.
* Waveforms (1.2 x 50 µSec source voltage and 8 x 20 µSec source current).

Typical Installation / Outline Dimensions:



DIMENSIONS ARE IN MILLIMETERS

MODEL	A	B	C	D	E	F	G	H (Hole Size)	WIRE CONNECTION
SPP-2201	76.2	50.8	58.9	38.1	20.8	88.9	101.6	4.76	Barrier Strip # 6
SPP-2202	76.2	76.2	52.1	38.1	14	88.9	101.6	4.76	10-32 Screw Post
SPP-2203	76.2	76.2	52.1	38.1	14	88.9	101.6	4.76	10-32 Screw Post
SPP-2204	76.2	50.8	52.1	38.1	14	88.9	101.6	4.76	8-32 Screw Post
SPP-2204A	50.8	50.8	52.1	38.1	14	88.9	76.2	4.76	8-32 Screw Post

Circuit Components, Inc.
2400 S. Roosevelt Street Tempe, AZ • 85282
Tel: 480-967-0624 • Fax: 480-967-9385
Email: info@surgecontrol.com • Website: www.surgecontrol.com

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