

SPPT-120C Series

General Purpose – Basic

AC Surge Arrestor / Filter



Features:

- ▶ Performance and low cost make the SPPT-120C Series the ideal general purpose suppressors in local equipment panels.
- ▶ Powerful, high speed transient energy absorption capability exceeding ANSI/IEEE C62.41-1991 Category C3, and IEC/EN 61000-4-5 level 4 recommendations
- ▶ Thermal cut out protection ensures fail safe (open) and prevents any safety hazard during sustained over-voltages.
- ▶ EMI/RFI filtering and suppression, both common and normal mode, provide the most effective protection.
- ▶ Long life bright LED's provide continuous indication of power and protection status.
- ▶ Fast response time stops failures due to lightning induced transients, spikes and over-voltage surges on local service panel power lines servicing electronic equipment, while minimizing other electrical noise.
- ▶ Lightning rated internal fuses provide protection for each phase circuit in a fail safe design.
- ▶ Modules available: Single Phase, Split Phase and Three Phase WYE .
- ▶ Hermetically sealed package designed for easy mounting in a standard electrical panel 1/2" knock-out.
- ▶ Automatically resets after each transient. No maintenance is required.

Applications:

The SPPT-120C Series are economical, general purpose, light duty industrial suppressors. Select the model according to the table on the reverse side of this data sheet. The SPPT-120C Series are commonly used for industrial measurement and control equipment, remote control stations, numeric control equipment, power entry, etc, in single/multi phase 120, 220, 240, VAC applications.

Select the SPPT-120B Series for medium duty or the SPPT-120A Series for heavy duty protection in areas of more severe lightning or electromagnetic induced transients. Select the SPPT-D Series for Three Phase Delta.

Typical Installation:

Mount the suppressor in any convenient 1/2" knockout where the indicator LEDs can be seen and connect the wire leads as shown in the diagram (after the electrical breakers or power controls). Installation should be done per local codes by a qualified electrician.

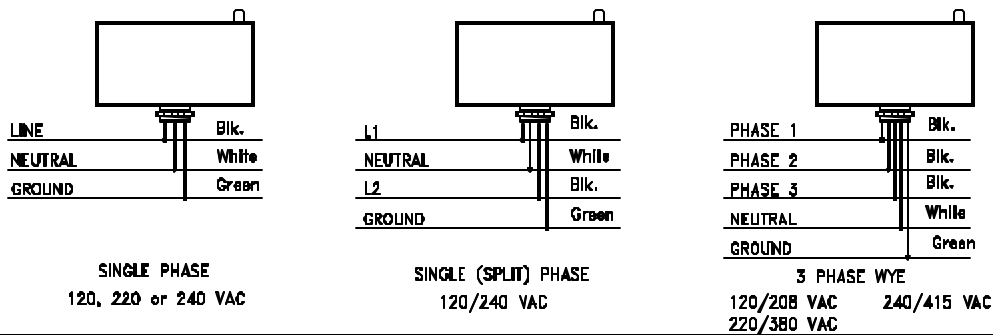
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SPPT-120C Series Operating Specifications

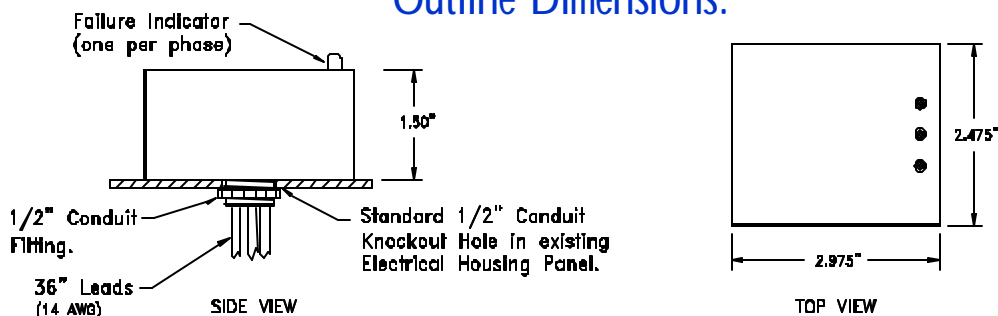
Specifications	SPPT-120C	SPPT-120CD	SPPT-120CY	SPPT-240C	SPPT-240CY
Operating Voltage (VAC)	120 Single Phase	120/240 Split Phase	120/208 3 Phase WYE	220 or 240 Single Phase	220/380 or 240/415 3 Phase WYE
MCOV (VAC) Max. Continuous Operating Voltage	175	160 / 320	175 / 300	320	320 / 554
Maximum Clamping Voltage (L-L) at 100 Amps	N/A	840	840	N/A	1355
Maximum Clamping Voltage (L-N) at 100 Amps	455	455	455	775	840
Maximum Clamping Voltage (N-G) at 100 Amps	455	455	455	455	455
Maximum Transient Voltage *	20KV	20KV	20KV	20KV	20KV
Maximum Transient Current / Line *	20 kA	20 kA	20 kA	20 kA	20 kA
Energy Rating ** (Joules)	400	400	400	764	764

- Waveforms: * 1.2 x 50 μ Sec source voltage, 8 x 20 μ Sec source current, ** 10/1000 μ Sec
- Line Current Rating : Shunt Type—Not Limited in Service Applications
- Operating & Storage Temperature: -40 °C to +65 °C. All specifications at 25 degrees Celsius
- Design Life: Greater than ten (10) years

Typical Installation



Outline Dimensions:



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