

5330 Series Surge Suppressor Devices

- UL 497A Listed
- Plug-in Module
- Three-Stage Protection
- Sneak/Fault Current Protection
- Lightning Protection for Low Voltage Data Signal Lines



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DESCRIPTION:

The 5330 Series Surge Protective Devices,(SPD) are two-paired (four wire) modules implementing three-stage hybrid technology. This SPD addresses over-voltage transients with gas tubes and silicon avalanche components. In addition, sneak and fault currents are mitigated with resettable fuses, Positive Temperature Coefficient (PTCs). The PTCs increase resistance several orders of magnitude when over-currents exceed safe levels. A normal state resumes when over-currents are removed. The ability to self-restore in this manner significantly increases suppressor performance and survivability.

The Surge Protective Device card edge is gold-plated, double sided and is designed to mate with the gold-plated female terminal connector. When snapped together, the data circuits “pass thru” the protector in a serial fashion from the four “Field Side” terminals to the four “Electronics Side” terminals. Terminals 1 or 10 of the terminal connectors must be attached to a Building-Approved Ground.

Caution: Do not place this product in service on any signal line capable of supplying more than 150 mA continuously.

SPECIFICATIONS:

Peak Surge Current	10 kA (8 x 20 μ s)
Clamping Voltage	8, 36, or 43 VDC
Maximum Operating Voltage	5, 30, or 36 VDC
Operating Current	0.15 A
Frequency Range	0 to 20 MHz
Insertion Loss	<0.1 dB at 50 MHz
SPD Technology	GDT, SAD, w/Series PTC
Connection Type	Terminal Block w/compression lugs (accepts up to 10 AWG)
Operating Temperature	-40° to 185° F (-40° to 85° C)
Dimensions	2 x 1 x 2.5 in (5.1 x 2.5 x 6.4 cm) (H x W x L)
Weight	1 oz (30 grams)
Certifications	UL 497A

ORDERING GUIDE:

Model 5330-01	Surge Suppressor; 8 Volt Clamp
Model 5330-05	Surge Suppressor; 36 Volt Clamp
Model 5330-06	Surge Suppressor; 43 Volt Clamp
Model 5330-09	Surge Suppressor; Top only for 5330 Series. (Specify Volt Clamp)
Model 5330-10	Surge Suppressor; Base only for 5330 Series.

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Environmental Monitoring Solutions

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