

Power

AlphaTVSS™

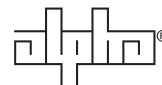
Transient Voltage Surge Suppression Systems



- Isolates the load from damaging transients and all other abnormal line conditions
- Lifetime of 20+ years
- NEMA 4X rated enclosure
- UL recognized surge suppression Type 2 UL 1449 3rd edition Sept. 2009

The AlphaTVSS uses an innovative design based on years of market research to safely conduct to ground all power surges. Its rigid metal construction and its ability to handle particularly high energy levels, in conjunction with the use of single, high-capacity industrial heavy-duty Metal Oxide Varistors offer excellent performance against transient lightning currents of up to 200,000 A. The explosion and fire risks common to most conventional protection systems are eliminated. The AlphaTVSS's unique design ensures more than 20 years of trouble and maintenance free operation.

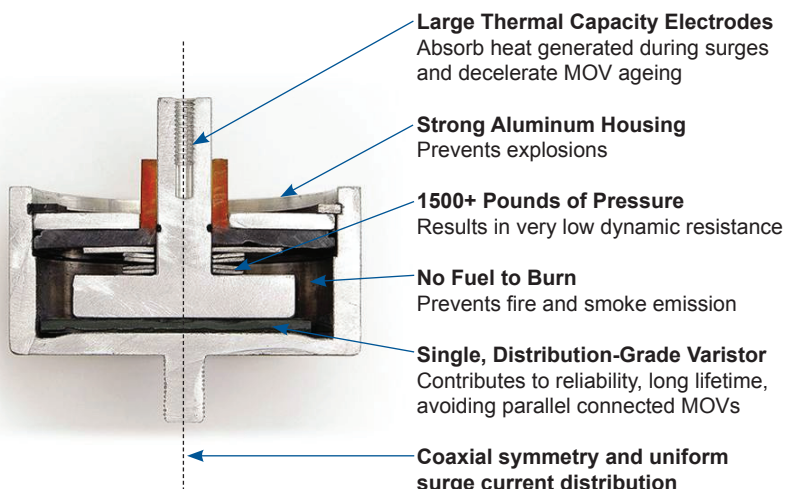
The Strikesorb surge suppression module's unique design provides low internal contact resistance, excellent thermal management of the MOV, and uniform distribution of the surge current over the total area of the protection element, resulting in an extremely high energy handling capability and very low let-through voltages. Strikesorb's patented design minimizes the effects of ageing and completely eliminates the risk of catastrophic failure, explosion, or fire.



AlphaTVSS

Strikesorb Surge Suppression Module

The Strikesorb surge suppression module incorporates state-of-the-art developments in metal oxide technology that provide superior protection throughout its long service life. The module has been designed to withstand repeated surges, providing cost-effective and maintenance-free operation in harsh environments. Strikesorb is the only UL (1449 – 2nd edition) recognized surge protection module rated for safe operation without the use of additional internal fuses. Strikesorb fully complies to the latest UL1449 revisions, effective February 2007. This technology, combined with the capability to be connected directly on the power lines (feed-through connection) makes Strikesorb the most reliable surge protection device available.



Specifications

	ATVSS-2-120	ATVSS-3-120/240	ATVSS-4-120/208	ATVSS-2-240	ATVSS-4-220/380
Electrical Characteristics					
Nominal operation voltage	120V	120V/240V	120V/208V	240V	240V
Maximum Continuous Operating Voltage	150V	150V	150V	300V	300V
Vref (Peak) @ 5mA AC (peak)	263V	263V	263V	526V	526V
Operating Frequency range	25-500Hz	25-500Hz	25-500Hz	25-500Hz	25-500Hz
Leakage Current at Vn	0.30mA	0.30mA	0.30mA	0.35mA	0.35mA
Surge Protection Levels					
Surge Voltage Rating	500V	500V	500V	800V	800V
Response time	<1ns	<1ns	<1ns	<1ns	<1ns
Maximum Surge Current	140kA	140kA	140kA	140kA	140kA
Maximum lightning Current	7.5kA	7.5kA	7.5kA	7.5kA	7.5kA
Let-through Voltage					
For surge current 10kA* (8/20)	435V	435V	435V	895V	895V
Enclosure					
Dimensions (in)	6W x 8H x 6D	10W x 12H x 6D	10W x 12H x 6D	6W x 8H x 6D	10W x 12H x 6D
Operating Temperature	-40°–85°C	-40°–85°C	-40°–85°C	-40°–85°C	-40°–85°C

*Actual Surge current through Strikesorb

For more information visit www.alpha.com

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