



AGSVL – Critical Load Filter

Surge Protection Device with LC Filter

The VL Critical Load Filter (AGSVL) is a high performance surge protective filter designed to protect electronic loads from surges, transients and noise. This compact unit is ideal for PLCs, industrial PCs, robotics, and other automation equipment.

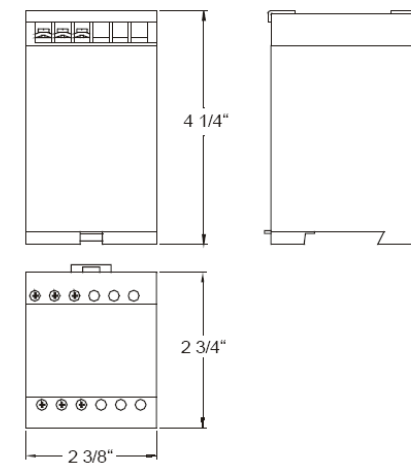
Benefits

- Low “Let-Through Voltage” ensures significantly better protection than other suppressors.
- Excellent LC noise filter reduces operating glitches and disruptions.
- High surge current capability protects against lightning induced surges.
- Small footprint and DIN rail mounted – easy to install in control cabinet or OEM applications.

Specifications

Input Voltage:	120V, single phase (L, N, G or L, L, G)
Amperage:	1A, 3A, and 5A
Frequency:	47Hz to 63 Hz
Protection Modes:	L-N, L-G, N-G
MCOV:	150V and 320V
Noise Attenuation (Normal Mode):	55dB @ 100 kHz
Filter Bandwidth:	10 kHz to 50 MHz
Peak Surge Current:	20kA per mode
Internally Fused:	Thermal fuses
Fault Current Rating:	5kAIC (AIC rating as per UL)
Operating Temperature:	-40° to 50° C
Response Time:	> 1ns
Agency Approvals:	UL 1449 2nd Edition, and CSA
Warranty :	Five years

Enclosure Details



Surge Performance: Let-through Voltage

(IEEE Recommended Test Waveforms, C62.41, 1991)

Input Surge	120V System
Cat. B3 Ringwave (6kV, 500A) – Static	40 V
Cat. C1 Impulse (6kV, 3kA) – Dynamic	230 V

Ordering Information

Model Number:	Description
AGSVL120N1.....	120V, 1A, DIN Rail Mount
AGSVL120N3.....	120V, 3A, DIN Rail Mount
AGSVL120N5.....	120V, 5A, DIN Rail Mount

Exceptional Surge Suppression

