

## TRAFFIC CONTROL / AC SERVICE

# AC120F



### DESCRIPTION

The AC120F offers both superior, multistage surge protection and AC line filtering in one convenient package. The unit is key when surge protection and AC line filtering are required, but cabinet or panel space is limited.

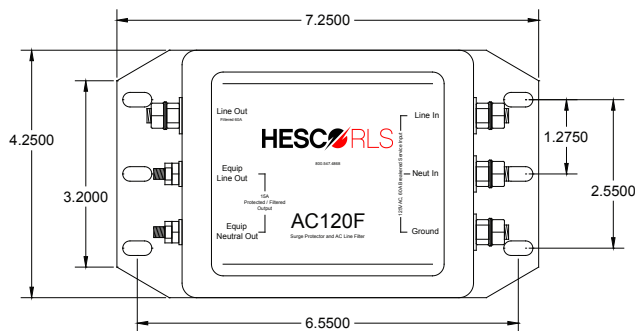
The surge protector incorporates metal oxide varistor protection in two stages separated by an inductive network. Lab tests recorded impressive clamp voltages for repetitive, intense 20,000 amp surges.

The filter network used in the design is identical to the circuit used in all HESCO/RLS line filters. The HESCO/RLS line filter is recognized throughout the transportation industry as highly effective and reliable.

### SURGE SPECIFICATIONS

Total Peak Surge Current.....48KA  
 Life Test.....5% change in clamp voltage after 10 surges of 20KA (8 x 20uS)  
 Max Clamp Voltage (20KA).....440V  
 Response Time.....<5nS  
 Continuous Service Current.....15 AMPS  
 Operating Temperature.....-40 to 85°C  
 Dimensions.....7.15" x 4.25" x 1.5"  
 Weight.....2.3 lbs

### UNIT DIMENSIONS



### FEATURES

- Combination AC Line filter and surge suppressor
- Multi-stage design
- Effectively protects against lightning and other power surges
- Immediately self restores after each surge
- 60 Amp line filter

### FILTER SPECIFICATIONS

Maximum Current Rating.....60 Amps  
 Voltage Rating.....125 VAC  
 Frequency.....50/60 Hz  
 Leakage Current.....5mA  
 Insertion Loss (dB) @

Frequency (MHz)	Insertion Loss
0.2	35.4
0.3	39.9
0.6	36.4
1.0	32.3
10	14.9
20	10.5
40	9.2
75	11.1

### HESCO/RLS

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For more information and product support call us at...

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