

TRAFFIC CONTROL / AC SERVICE

HE300-15



DESCRIPTION

The HE300-15 surge arrester is the first line of protection for the electronic equipment in a traffic controller cabinet.

This unit is a two-stage arrester which can be used as a stand-alone device or in conjunction with an external line filter if required. Because the primary and secondary stages are electrically separated (line side), the addition of an external filter (HESCO/RLS model LF35, LF50 or LF60) is simple and quick.

The primary stage is designed to dissipate high-energy surges on the AC powerline of 46KA (8x20uS) while clamping at a nominal 480 volts. The primary stage provides protection from line to neutral, line to ground and neutral to ground. This feature becomes quite important at site locations where neutral must be kept isolated from earth ground inside the controller cabinet.

In addition to the primary stage's capability to sustain multiple surges of 46KA (8x20uS), the secondary stage is designed to sustain surges in excess of 20KA (8x20uS) at a clamp voltage of 340 volts.

The HE300-15 surge arrester is one of the most powerful hybrid surge arrestors available today..

SPECIFICATIONS

Peak Surge Current (8x20us)	
First Stage46KA
Second Stage20KA
Overall Occurrences:	
46KA (8x20uS).....	10 Times
33KA (8x20uS).....	20 Times
20KA (8x20uS).....	40 Times
Clamp Voltage	
46KA (8x20uS).....	.478 volts*(337 VAC)
20KA (8x20uS).....	.340 volts*(240 VAC)
Response Time	<5 Ns
The voltage never exceeds 340 VDC during a surge of 20KA (8x20uS) or less.	
Series Inductance235uH Total
Continuous Service Current15 Amps Max 120 VAC, 50-60 Hz
Dimensions	2.875"W x 5.30"L x 1.70"H
Temperature Range	-40°C to +85°C
Weight	1.6 LB

*Unit was tested with neutral strapped to the ground terminal.

HESCO/RLS
220 Springview Commerce Drive
Unit #190
DeBary, FL 32713
Fax 386.668.2793

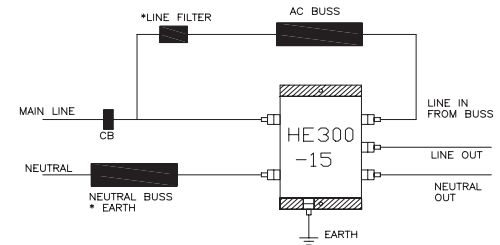
For more information and product support call us at...

1-800-547-4868

FEATURES

- Multi-Stage Surge Arrester
- Protects Against Lightning and Other Power Surges
- Clamps Harmful Surges Quickly
- Completely Weatherproof
- Immediately Self-Restores After Each Surge
- Filter Component Meets MIL-STD-220A Insertion Loss Specifications

MOUNTING



*OPTIONAL

MIL-STD-220A INSERTION LOSS (dB)

Frequency	Insertion Loss (dB)
60Hz.....	.0
10Khz.....	.7
50Khz.....	.53
100Khz.....	.69
500Khz.....	.70
2MHz.....	.70
5MHz.....	.70
10MHz.....	.50
20MHz.....	.57