

POWER EQUIPMENT

FLA

Field Lightning Arrestor



Compliance with Standards

FAA Complies with AC 150/5345-10, Section 3.4.12 (Lightning/ Surge Arrestors)

Overview

- For use on airfield series circuits to further reduce the risk of lightning damage on the series circuit
- Can be inserted at various points in the 5 kV airfield primary series circuit to provide additional lightning protection.
- Can be used on any airfield circuit (6.6 A from 4 kW to 30 kW and 20 A from 15 kW to 70 kW)
- Rated for 25,000 A peak (8/20 microsecond discharge)
- Assembly rated IP68 (NEMA 6P)
- Insulation resistance is 10 GΩ (minimum)
- Includes a UL 467 rated ground lug, which accepts an AWG 4 to AWG 14 earth ground wire
- Operating temperature: -55 °C to +55 °C (-67 °F to +131 °F)

Installation

It is recommended that the field lightning arrestor be installed a maximum of about every 2,000 feet around the series circuit, starting at the first base can closest to the vault on each leg of the series circuit. Simply disconnect (unplug) the L-823 connectors at the designated point and plug in the field lightning arrestor. Connect a known good earth ground (25 Ω or less) to the earth ground lug of the field lightning arrestor using at least an AWG 6 wire.

The field lightning arrestor can be installed in a base can (preferred) or direct earth buried. Heat shrink each L-823 connector interface using an airport approved method. The field lightning arrestor body is waterproof (IP68 NEMA 6P) and is fully resistant to deicing fluids.

Ordering Code

FLA2000

Maintenance Notes

The installation of a FLA Field Lightning Arrestor included in a series circuit creates a parallel resistance path to earth and will lower the insulation resistance reading of the circuit. This is normal. The more FLA Field Lightning Arrestors installed on the circuit, the lower the insulation resistance readings will be. Please keep this in mind if your results differ from the expected values.

Dimensions

