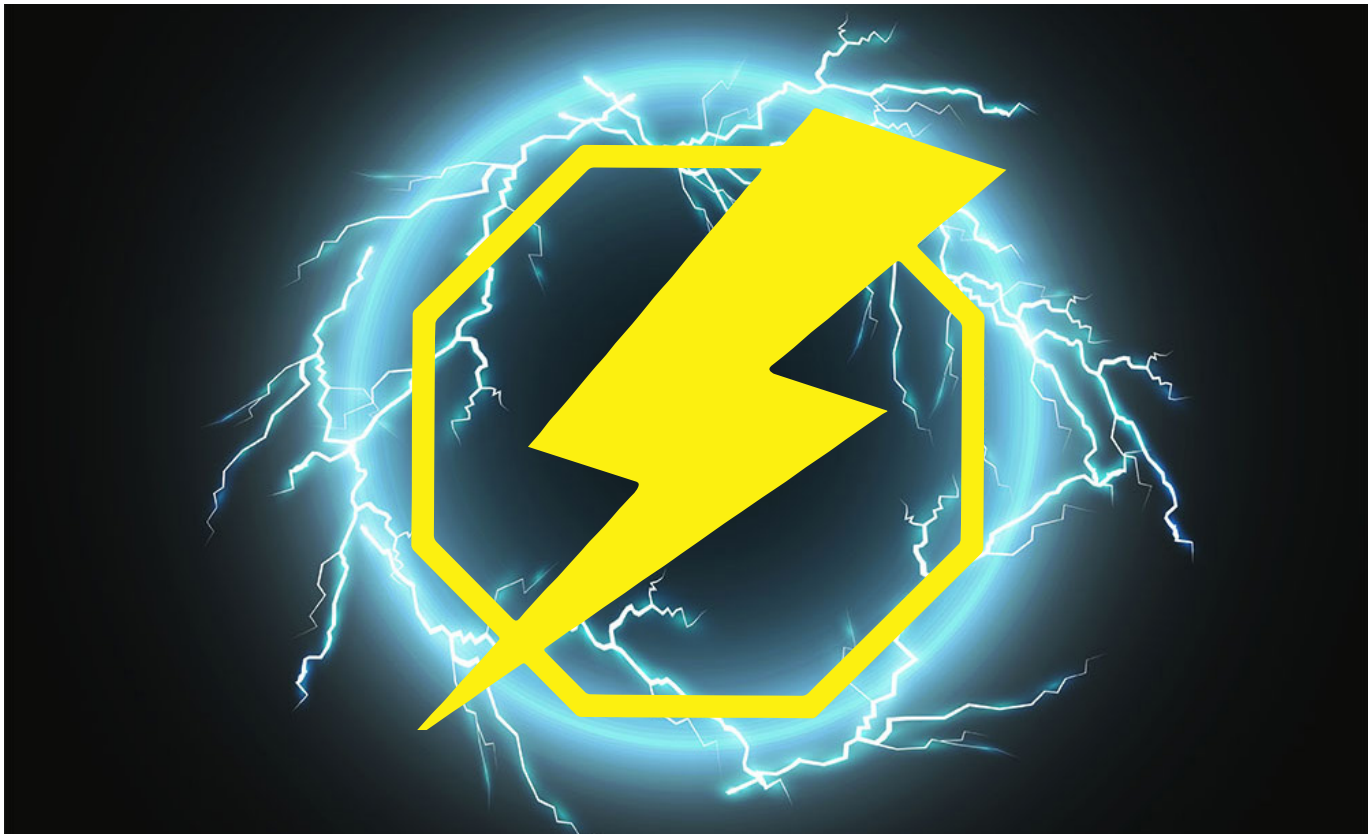
SHERIFF – Lightning Arrestor



There's a new Sheriff in airports – a hero you need

Lightning strikes create very hazardous circumstances by damaging sensitive components in the airfields. Efla presents a new way for airports and heliports to protect your airfield lighting systems against lightning strikes. Sheriff lightning arrestor is a completely new lightning and surge protection component for secondary circuit, designed to be connected to Aeronautical Ground Lighting (AGL) circuits, helipads and helidecks.

Main benefits

- Minimizes the amount of broken equipment when lightning hits
- A retro-fit component that can be added to a secondary circuit afterwards
- Increases runway and taxiway uptimes as less replacement of lighting fixtures is needed
- Enables the work force to be used in other operation than maintenance
- Increases cost-efficiency by increasing the life-time of the lighting fixtures
- An unique component that brings additional protection for the secondary circuit
- A cost-effective way to minimize the risk of lightning damage to the series circuit

Lightning facts

Direct lightning strikes aren't usually the only problem. When lightning strikes to the ground the potential differences after the strike will cause currents to flow into the closest grounded conductor. The voltage induces to the circuit even when it hits close by. Typically, lightning strikes damage 5-10 surrounding fixtures without protection, but as many as 200 on each strike.

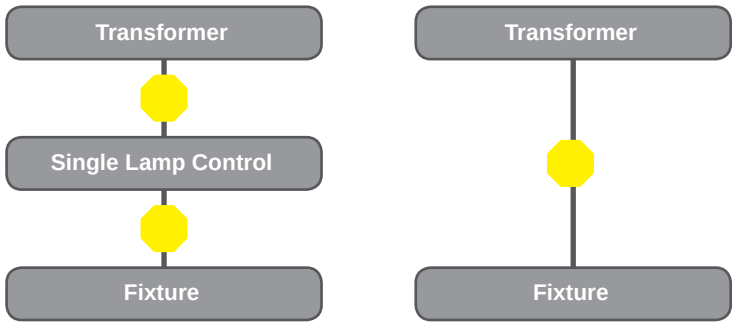
Sheriff facts

Sheriff has been designed to benefit the whole value chain from the installer in the pits to the pilots in the cockpits by increasing the safety, efficiency and sustainability of airfield lighting systems.

- A unique secondary lightning circuit protection system
- Fast installation and FAA-compliant connectors
- Operational status can always be tested
- Proven protection equal to 21 kA / 12 kV
- Can be installed in various points in secondary circuit
- Use in any secondary-circuit to maximize protection

Sheriff will do the job

The Sheriff can be installed in various points in the secondary circuit to provide additional protection against lightning. The Sheriff should be grounded to the counterpoise.



Inspector – portable tester at your service

The operational status of the Sheriff can be verified by a portable tester. The tester is easy to use, battery operated and handheld. The interval of testing the operational status should be according to the local conditions.

EFLA YOUR AGL PARTNER

EFLA shields electrical connections – especially in the most demanding environments.We manufacture highly specialized components including transformers, connector kits, encapsulated electronics components and prefabricated cable assemblies for airfield ground lighting and other applications. Our story began over 30 years ago in Finland in northern Europe. Today we are one of the largest suppliers in this niche field with a true global footprint covering all continents. Our products can be found on most international airports around the world.

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