

RLP-50-450

FLA Field Lightning Arrestor

The Novaris RLP has been designed to protect the primary side of the transformer in an airfield runway lighting circuit. It is housed in a weather proof IP67 enclosure and features FAA standard plugs on each end to allow for easy installation and replacement. It is connected in series to provide high level of protection from lightning transients.

Versatility

The RLP 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)

Distributed Protection

The RLP can be inserted at various points in the 5 kV airfield primary series circuit to provide additional lightning protection.



Image for illustrative purposes only

Specifications

Electrical Specifications

Connection type		Series
Maximum continuous voltage (AC)	U_c	450V
Modes of protection		L-PE
Number of ports		2
Number of phases		1
Location		Outdoor
Maximum discharge current (8/20 μ s)	I_{max}	50kA
Nominal discharge current (8/20 μ s)	I_n	20kA
Lightning impulse current (10/350 μ s)	I_{imp}	4kA
Voltage protection level (3kA 8/20 μ s)	U_p	1500V
Insulation resistance		10 G Ω
Earthing		6mm 316SS Bolt

Mechanical Specifications

Minimum operating temperature		-40°C
Maximum operating temperature		70°C
Minimum operating humidity		5%
Maximum operating humidity		95%
Mounting method		Free standing
Environmental rating		IP67
Enclosure material		Aluminium
Enclosure finish		Black powdercoat
Length		115mm
Width		90mm
Height		55mm

Standard Specifications

IEC 60099-4	Metal-oxide surge arrestors without gaps for AC systems
FAA AC 150/5345-10	Section 3.4.12 Lightning/Surge Arrestors

Shipping Specifications

Weight		1.4kg
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Other Specifications

Product Code		RLP-50-450
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