

CEIA-078



RF Equipment Protection High Power

The Novaris CEIA range is specifically designed for high power Co-Axial surge protection applications including MF, HF and VHF transmitters to 50kW. The CEIA range comes with two mounting types to suit in-line EIA connectors or via a bulkhead/cable entry plate. The CEIA is available to suit all EIA connectors 7/8" to 6 1/8".

Adjustable Spark Gap

The spark gap electrode is externally adjustable to suit a range of transmitter powers from 1 to 50kW and is removable to allow cleaning and routine maintenance. The heavy duty electrode offers a long service life even in severe conditions.

Enclosure

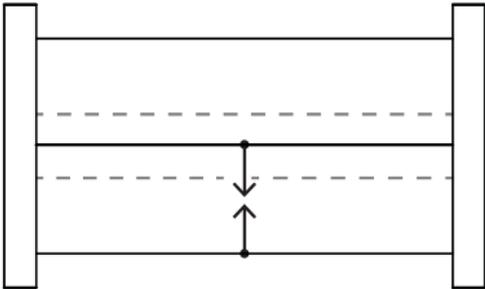
The CEIA is manufactured from 50 ohm rigid line with integral EIA connector flanges. Two connector bullets are supplied with each CEIA. The body is nickel plated.

Optional arc sensor

The CEIA range is also available with an optional arc sensor which is used via control electronics to momentarily interrupt the transmitter output to ensure any arc is extinguished and the transmitter is not damaged.

Wiring

Dimensions



Standards

IEC 61643-21
AS1768

SPD connected to telecommunications and signalling networks - Cat C2, D1
Signalling/Telecommunications surge protection

Product Datasheet

Electrical Specifications

Connection type		Series
Modes of protection		Signal-Earth
Sparkover voltage		1.5mm 1.5kV, adjustable up to 8kV
Maximum discharge current (8/20 μs)		100kA
Maximum Average RF Power		2.3kW
Overstressed fault mode		Mode 3
Characteristic impedance		50Ω
Return loss		>26dB to 500MHz, >20dB to 1GHz (gap setting: 1.5mm)
Insertion loss		<0.1dB to 500MHz, <0.2db to 1GHz (gap setting: 1.5mm)

Mechanical Specifications

Connection type		7/8" EIA
Minimum operating temperature		-40°C
Maximum operating temperature		85°C
Minimum operating humidity		5%
Maximum operating humidity		95%
Mounting method		Flange
Environmental rating		IP55
Enclosure material		Brass and copper
Enclosure finish		Nickel Plated

Other Specifications

Product Code		CEIA-078
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Shipping Specifications

Weight		2kg
Customs tariff		85363000, 85363010

Options

Spark gap only, no TX controller	Standard
1RU 19" rack, one TX controller only	1
3RU 19" rack, up to 14 TX controllers	n*

* Denotes number of TX controllers

