

C43S-FF-90-6



Image for illustrative purposes only

RF Equipment Protection up to 6GHz

Novaris coaxial surge protectors are designed to protect transceivers and antennas of common communication equipment from the effects of lightning and other electrical disturbances. They are available in a range of voltages to suit different power levels and in all common RF connector types. The products with the -E suffix come complete with a stud for grounding and mounting the unit. There are several optional mounting kits available.

Replaceable Protective Element

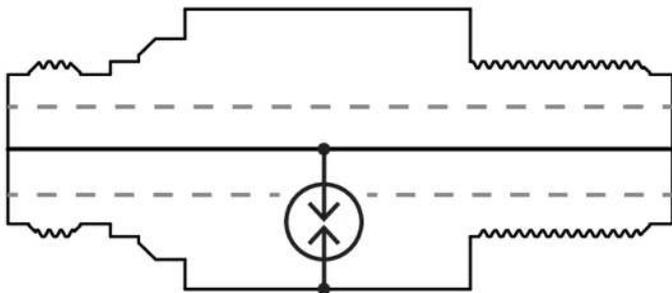
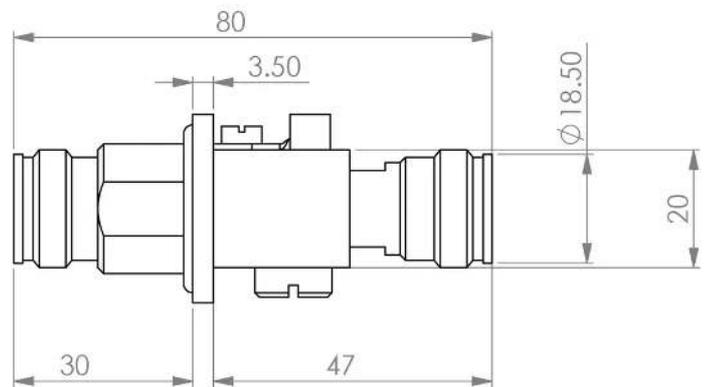
Novaris coaxial surge protectors incorporate user replaceable gas discharge tubes to ensure a long service life even in severe conditions.

Premium All-Metal Enclosure

CNC machined brass with high gloss nickel plating is utilized for the body of the product. This provides excellent durability and high frequency characteristics.

Pass-Through Design

The pass-through design allows frequencies from DC to 6GHz to be passed by the device, allowing power to be provided over the conductor in addition to the RF signals.

Wiring**Dimensions****Notes**

The power levels listed relate to the power handling capability of the SPD itself. Note other factors such as antenna mismatch and connector type may also limit the maximum power handling capability of this product, consult your system designer

Product Datasheet

Specifications

Other Specifications

Product Code		C43S-FF-90-6
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Mechanical Specifications

Connection type		Type 43
Connection orientation		F/F
Minimum operating temperature	🌡️	-40°C
Maximum operating temperature	🌡️	70°C
Minimum operating humidity	💧	5%
Maximum operating humidity	💧	95%
Mounting method	🔧	Bulkhead
Environmental rating	👤	IP20
Enclosure material	📦	Brass
Enclosure finish	🖌️	Nickel Plated
Length	📏	68mm
Width	↔️	25mm
Height	↑↓	30mm
Dimensional tolerance		0.5mm

Electrical Specifications

Connection type	🔌	Series
Modes of protection	⚡	Signal-Earth
Sparkover voltage		90VDC
Maximum discharge current (8/20 μs)	I_{max}	20kA
Maximum working frequency		6GHz
Voltage protection level @ 1kV/μs		<650V
Power Rating		0-25W
Impulse durability C2 10x8/20μs		5kA
Overstressed fault mode		Mode 3
Capacitance (line-shield @1MHz)		<1pF
Characteristic impedance		50Ω
VSWR		<1.1:1
Return loss		>26dB
Insertion loss		<0.2dB @ <6GHz

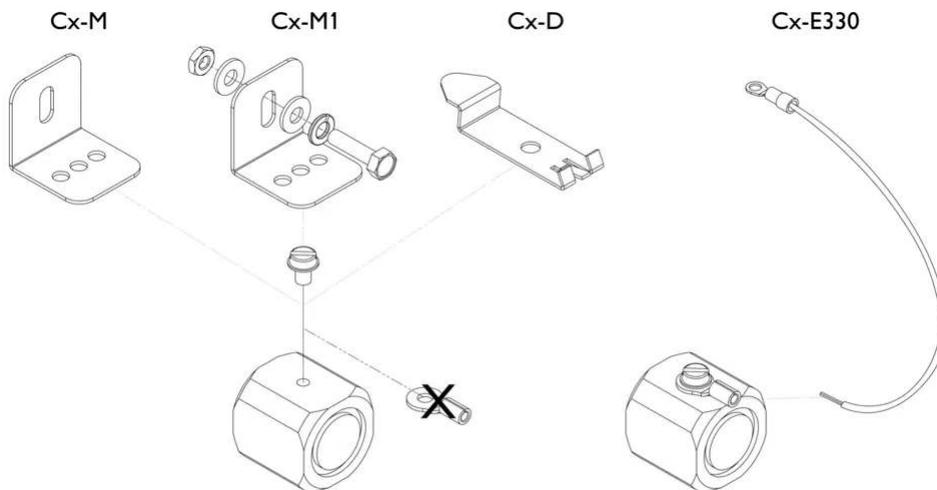
Shipping Specifications

Weight	📦	125g
Customs tariff	🔍	85363000, 85363010

Standard Specifications

IEC 61643-21	SPD connected to telecommunications and signalling networks - Cat C2, D1
AS 1768	Signalling/Telecommunications surge protection
ITU-T K.44	Resistibility tests for telecommunication equipment exposed to overvoltages and overcurrents

Options



Mounting kits and earthing cable sold separately