



RF Equipment Protection up to 3GHz

Novaris gas discharge surge protectors are capable of passing RF signals to 3GHz (limited by connector type). N-type female / female protectors are suitable for bulkhead mounting.

C N - FF - 90 - 3 - [*]

Product Series

Connector

Gender

Options

f_c

U_c



Electrical Specifications

		CN-MF-90-3	CN-FF-90-3	CN-MF-230-3	CN-FF-230-3	CN-MF-350-3	CN-FF-350-3
Connection type		Series					
Modes of protection		Signal-Earth					
Sparkover voltage	U_c	90VDC		230VDC		350VDC	
Maximum discharge current (8/20 μ s)	I_{max}	20kA					
Power rating		0 - 40W		40 - 125W		125 - 300W	
Maximum working frequency	f_c	3GHz					
Voltage protection level @ 3kA (8/20 μ s)	U_p	<650V		<820V		<1.1kV	
Characteristic impedance		50 Ω (75 Ω F-type only)					
VSWR		<1.1:1					
Return loss		>26dB					
Insertion loss		<0.2dB					

Mechanical Specifications

Operating temperature / humidity	-40 to +85°C / 5 to 95% non-condensing					
Connection type	N-type					
Connection orientation	M / F	F / F	M / F	F / F	M / F	F / F
Mounting	Inline / bulkhead (N-type only)					
Environmental	IP 55					
Enclosure / colour	Aluminium / black					
Weight	150g					

Connector type variation

BNC	B					
7/16 DIN	D (Mounting bracket not available)					
F-type	-	F	-	F	-	F
N-type (bulkhead mount female)	N	Standard	N	Standard	N	Standard
UHF	U					
SMA	S					

Options [*]

Mounting bracket	M
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Dimensions

Configuration	CB-MF	CB-FF	CD-MF	CD-FF	CF-FF	CN-MF	CN-FF	CU-MF	CU-FF	CT-MF	CT-FF
Width	26mm		Ø40mm	Ø40mm	26mm						
Height	26mm				26mm						
Maximum length	64mm	61mm	70mm	73mm	57mm	64mm	72mm	57mm		80mm	

Standards Compliance

ITU-T K.44
AS/NZS 1768
IEEE C62.41
BS 6651
CP 33
IEC 61643-21
UL497B