

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 _____ Options f_c
 Connector _____ U_c
 Gender _____

CN-MF-90-3 **CN-FF-90-3** **CN-MF-230-3** **CN-FF-230-3** **CN-MF-350-3** **CN-FF-350-3** **CN-MF-600-3** **CN-FF-600-3**

Electrical Specifications									
Connection type		Series							
Modes of protection		Signal-Earth							
Sparkover voltage	U_c	90VDC	230VDC	350VDC	600VDC				
Maximum discharge current (8/20 μ s)	I_{max}	20kA							
Power rating		0 - 40W	40 - 125W	125 - 300W	300-800W				
Maximum working frequency	f_c	3GHz							
Voltage protection level @ 3kA (8/20 μ s)	U_p	<650V	<820V	<1.1kV	<1.3kV				
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	M / F	F / F
Mounting		Inline / bulkhead (N-type only)							
Environmental		IP 55							
Enclosure / colour		Brass / Nickel Plated							
Weight		150g							

Options [*]

90° mounting bracket	M
DIN rail mounting clip	D
Mounting stud	S

Standards Compliance

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

Connector type variation

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

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	25mm		Ø40mm	Ø40mm	25mm		26mm	26mm	Ø21mm		
Height	25mm				25mm		26mm	26mm			
Maximum length	58mm	52mm	70mm	73mm	50mm	60mm	60mm	57mm		54mm	