

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 - 600 - 3 - [*]

Product Series _____ Options
 Connector _____ f_c
 Gender _____ U_c

CN-MF-600-3

CN-FF-600-3

CN-MF-1000-3

CN-FF-1000-3



Electrical Specifications			
Connection type		Series	
Modes of protection		Signal-Earth	
Sparkover voltage	U_c	600VDC	1000VDC
Maximum discharge current (8/20 μ s)	I_{max}	20kA	
Power rating		300 - 800W	800 - 1000W
Maximum working frequency	f_c	3GHz	
Voltage protection level @ 3kA (8/20 μ s)	U_p	<1.3kV	<1.5kV
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
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
N-type (bulkhead mount female)	N	Standard	N / Standard
UHF	U		
SMA	S		

Options [*]	
Mounting bracket	M

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