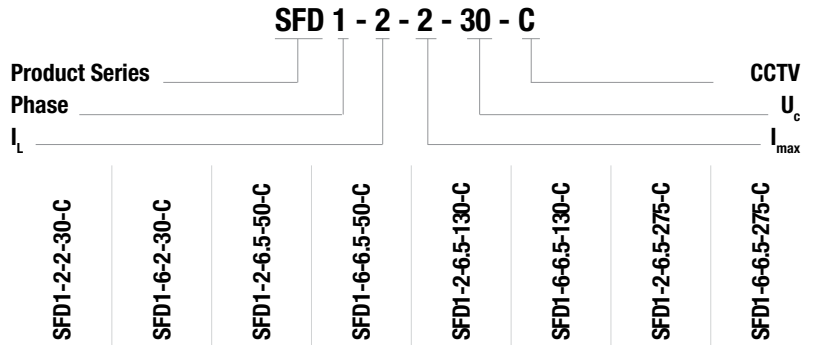




## SFD Combined Power and Signal Protectors

Novaris protection for both power and signal is provided in one compact and economical DIN compliant package. Ideal for security and CCTV camera protection.



Power Line Protection									
Connection type		Series							
Modes of protection		All mode (L-N, L-PE, N-PE)							
Nominal voltage	$U_0$	24V / 50Hz	40V / 50Hz	110V / 50Hz	230V / 50Hz				
Maximum continuous voltage	$U_c$	30V / 50Hz	50V / 50Hz	130V / 50Hz	275V / 50Hz				
Phases		1							
Maximum discharge current (8/20 $\mu$ s)	$I_{max}$	2kA		6.5kA					
Maximum load current	$I_L$	2A	6A	2A	6A	2A	6A	2A	6A
Protection stages		Metal oxide varistor / LC filter / metal oxide varistor							
Voltage protection level @ 3kA (8/20 $\mu$ s)	$U_p$	<50V	<150V	<450V	<750V				
Response time	$t_A$	Instantaneous							
Earth leakage current		<500 $\mu$ A							
Maximum voltage drop (% of $U_0$ )	$\Delta U$	<1%							

Signal Line Protection									
Connection type		Series							
Modes of protection		Transverse and common modes							
Maximum continuous voltage	$U_c$	8.2V							
Maximum discharge current (8/20 $\mu$ s)	$I_{max}$	20kA							
Maximum load current	$I_L$	500mA							
Protection stages		Gas discharge tube / series impedance / SAD							
Impulse voltage 1.2/50 $\mu$ s	$U_p$	14V							
3dB frequency		20MHz							
Insertion loss		<1dB @ 20MHz							

Mechanical Specifications									
Operating temperature / humidity		-40 to +85°C / 0 to 90% non-condensing							
Connector type - power		2.5mm <sup>2</sup> polarised plugs							
Connector type - signal		Female / female BNC							
Terminal screw torque		0.5 Nm							
Environmental		IP 20							
Mounting		TS35 DIN rail							
Weight		300g							

Dimensions									
Width		28mm							
Height		116mm							
Depth		78mm							

Standards Compliance
IEC 61643-1 class II, III
AS/NZS 1768 categories A, B
IEEE C62.41 categories A, B
BS 6651 categories A, B
CP 33 categories A, B
IEC 1000-4-5
UL1449 third edition
ITU-T K.44
IEC 61643-21
UL497B