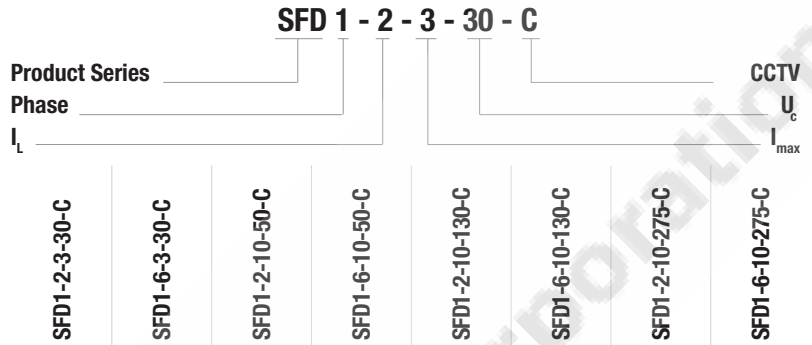




SFD Combined Power and Signal Protectors

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 / 60Hz	40V / 50Hz / 60Hz	110V / 50Hz / 60Hz	230V / 50Hz / 60Hz				
Maximum continuous voltage	U_c	30V / 50Hz / 60Hz	50V / 50Hz / 60Hz	130V / 50Hz / 60Hz	275V / 50Hz / 60Hz				
Phases		1							
Maximum discharge current (8/20 μ s)	I_{max}	3kA		10kA					
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 μ s)	U_p	<100V	<180V	<450V	<750V				
Response time	t_A	Instantaneous							
Earth leakage current		<500 μ A							
Maximum voltage drop (% of U_0)	ΔU	<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 μ s)	I_{max}	20kA							
Maximum load current	I_L	500mA							
Protection stages		Gas discharge tube / series impedance / SAD							
Impulse voltage 1.2/50 μ s	U_p	14V							
3dB frequency		200MHz							
Insertion loss		<1dB @ 20MHz							

Mechanical Specifications									
Operating temperature / humidity		-40 to +85°C / 5 to 95% non-condensing							
Connector type - power		2.5mm ² polarised plugs							
Connector type - signal		Female / female BNC							
Terminal screw torque		0.5 Nm							
Environmental		IP 20							
Mounting		TS35 DIN rail							
Weight		200g							

Dimensions									
Width		18mm							
Height		116mm							
Depth		70mm							

Standards Compliance

IEC 61643-11 class III
AS/NZS 1768 categories A
IEEE C62.41 categories A
IEC 1000-4-5
UL1449 fourth edition
ITU-T K.44
IEC 61643-21
UL497B