

SFD1-6-3-30-C

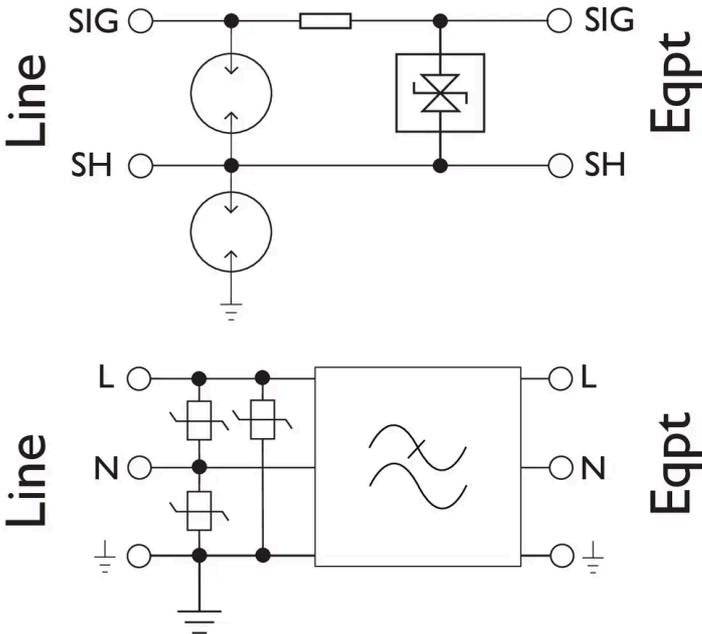
SFD1 Combined CCTV Protection

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

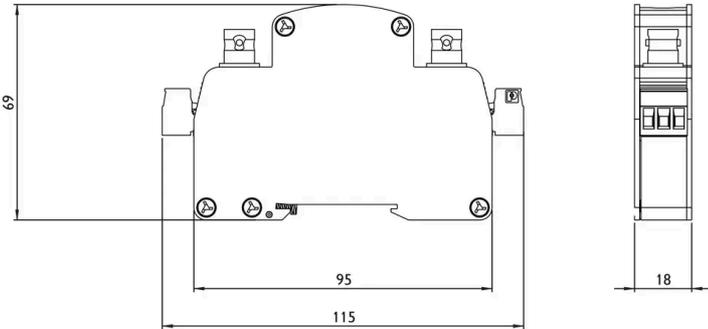


Image for illustrative purposes only

Wiring



Dimensions



Product Datasheet

Electrical Specifications

Connection type		Series
Modes of protection		L-N, L-PE, N-PE
Number of ports		2
Number of phases		1
Location		Indoor
Nominal voltage	U_0	24VAC
Short circuit withstand level	I_{sCCR}	3kA
Maximum backup fuse		6A
3 dB Frequency @ 150 Ω		200MHz
Earth leakage current	I_{PE}	<500 μ A

Electrical (L-N) Specifications

Maximum load current	I_L	6A
Maximum continuous voltage AC	U_C	30VAC
Maximum voltage drop (% of U_0)		<1%
Maximum discharge current (8/20 μ s)	I_{max}	3kA
Nominal discharge current (8/20 μ s)	I_n	1kA
Voltage protection level (3kA 8/20 μ s)	U_p	<100V
Response time	t_A	<25ns
3dB frequency @ 50 Ω		9400Hz

Electrical (N-PE) Specifications

Maximum continuous voltage	U_C	30VAC
Maximum discharge current (8/20 μ s)	I_{max}	3kA
Nominal discharge current (8/20 μ s)	I_n	1kA
Voltage protection level (3kA 8/20 μ s)	U_p	<100V
Response time	t_A	<25ns

Indication Specifications

Display		LED power and thermal failure
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Mechanical Specifications

Minimum operating temperature		-40°C
Maximum operating temperature		70°C
Minimum operating humidity		5%
Maximum operating humidity		95%
Mounting method		TS35 DIN Rail
Environmental rating		IP20
Enclosure material		Aluminium
Enclosure finish		Black powdercoat
Terminal capacity - power		2.5mm ²
Terminal screw torque - power		0.5Nm
Length		115mm
Width		18mm
Height		69mm

Standard Specifications

IEC 61643-11	SPD connected to low-voltage power systems - Type 1, 2
AS 1768	AC power system SPD - Cat C, B
UL 1449	Low voltage SPD - Type 2
IEEE 62.41.2	Low voltage SPD - Cat B

Shipping Specifications

Weight		160g
Customs tariff		85363000, 85363010

Other Specifications

Product Code		SFD1-6-3-30-C
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Signal (L-L) Specifications

Connection type		Series
Modes of protection		Transverse and common mode
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		GDT>Impedance>SAD
Impulse voltage 1.2/50 μ s	U_p	14V
Insertion loss		<1dB @ 20MHz