

SFD1-6-10-275-C

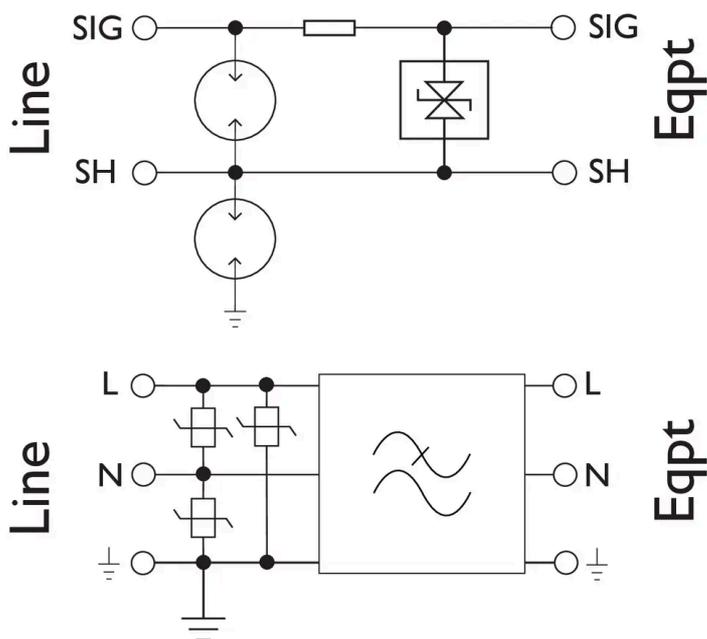
SFD1 Combined CCTV Protection

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

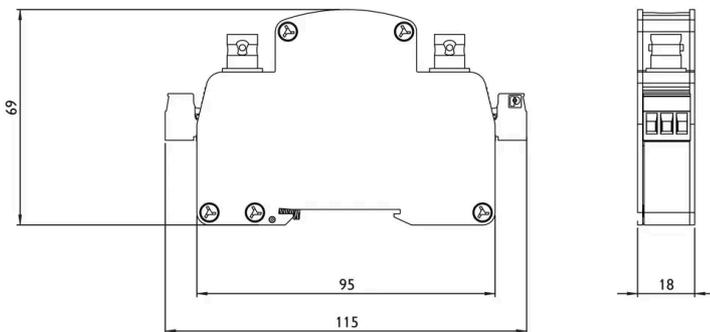


Image for illustrative purposes only

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	$U_0$	230VAC
Short circuit withstand level	$I_{sCCR}$	10kA
Maximum backup fuse		6A
3 dB Frequency @ 150 $\Omega$		200MHz
Earth leakage current	$I_{PE}$	<500 $\mu$ A

## Electrical (L-N) Specifications

Maximum load current	$I_L$	6A
Maximum continuous voltage AC	$U_c$	275VAC
Maximum voltage drop (% of $U_0$ )		<1%
Maximum discharge current (8/20 $\mu$ s)	$I_{max}$	10kA
Nominal discharge current (8/20 $\mu$ s)	$I_n$	4kA
Voltage protection level (3kA 8/20 $\mu$ s)	$U_p$	<700V
Voltage protection level (In)	$U_p$	<900V
Response time	$t_A$	<25ns
3dB frequency @ 50 $\Omega$		9400Hz
Voltage withstand (5s)	$U_T$	335V

## Electrical (N-PE) Specifications

Maximum continuous voltage	$U_c$	275VAC
Maximum discharge current (8/20 $\mu$ s)	$I_{max}$	10kA
Nominal discharge current (8/20 $\mu$ s)	$I_n$	4kA
Voltage protection level (In)	$U_p$	<900V
Voltage protection level (3kA 8/20 $\mu$ s)	$U_p$	<700V
Response time	$t_A$	<25ns
Voltage withstand (200ms)	$U_T$	1200V

## Indication Specifications

Display		LED power and thermal failure
---------	---	-------------------------------

## 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 <sup>2</sup>
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		SFD1-6-10-275-C
--------------	---	-----------------

## 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 $\mu$ s)	$I_{max}$	20kA
Maximum load current	$I_L$	500mA
Protection stages		GDT>Impedance>SAD
Impulse voltage 1.2/50 $\mu$ s	$U_p$	14V
Insertion loss		<1dB @ 20MHz