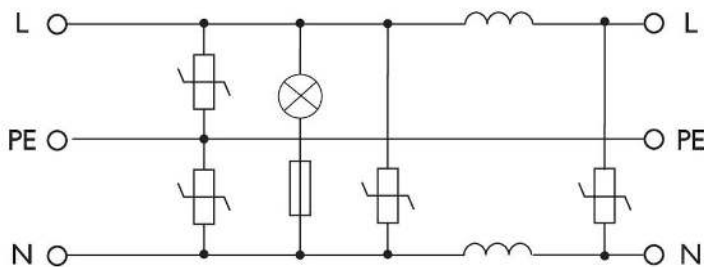


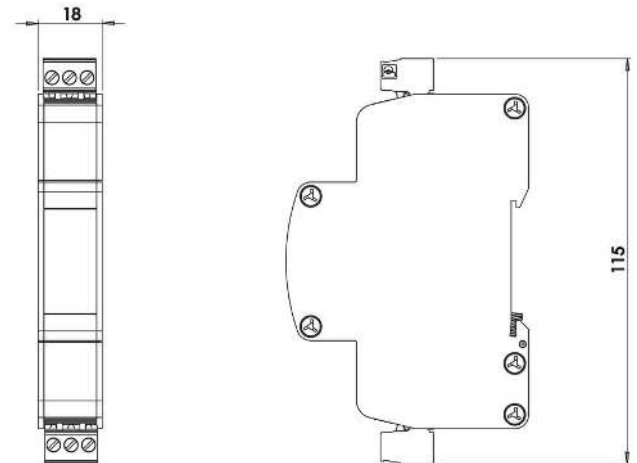
## SFD1-6-10-275



## Wiring



## Dimensions







## Standards

IEC 61643-11:2011  
AS/NZS 1768:2007  
UL 1449 3rd edition  
IEEE 62.41.2:2002

SPD connected to low-voltage power systems - Type 1+2  
A.C. power system SPD - Cat C, B  
Low voltage SPD - Type 2  
Low voltage SPD - Cat B

## 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	$I_{SSCR}$	10kA
Maximum backup fuse		6A
Earth leakage current	$I_{PE}$	<500 $\mu$ A

## Other Specifications

Product Code		SFD1-6-10-275
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## Electrical (L-N) Specifications

Maximum load current	$I_L$	6A
Maximum continuous voltage AC	$U_c$	275VAC
Maximum voltage drop (% of $U_0$ )		<1%
3dB frequency @ 50 $\Omega$		9400Hz
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	$t_A$	Instantaneous
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 (3kA 8/20 $\mu$ s)	$U_p$	<700V
Voltage protection level (In)	$U_p$	<900V
Response time	$t_A$	<100ns
Voltage withstand (200ms)	$U_T$	1200V












## Shipping Specifications

Weight		350g
Customs tariff		85354010

## 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 <sup>2</sup>
Terminal screw torque - power		0.5Nm
Length		115mm
Width		18mm
Height		69mm