

Product Datasheet

Electrical Specifications

Connection type		Shunt
Modes of protection		L-N, L-PE, N-PE
Number of ports		1
Number of phases		3
Location		Indoor
Nominal voltage	U_0	400VAC
Short circuit withstand level	I_{sCCR}	50kA
Maximum backup fuse		63A
Earth leakage current	I_{PE}	<10 μ A

Electrical (L-N) Specifications

Maximum continuous voltage AC	U_c	460VAC
Maximum discharge current (8/20 μ s)	I_{max}	100kA
Nominal discharge current (8/20 μ s)	I_n	40kA
Voltage protection level (3kA 8/20 μ s)	U_p	<1400V
Response time	t_A	<25ns

Electrical (N-PE) Specifications

Maximum continuous voltage	U_c	255VAC
Maximum discharge current (8/20 μ s)	I_{max}	60kA
Nominal discharge current (8/20 μ s)	I_n	50kA
Lightning impulse current (10/350 μ s)	I_{imp}	50kA
Voltage protection level (1kV/ μ s)	U_p	<700V
Response time	t_A	<25ns

Indication Specifications

Display		LED power and thermal failure
Alarm		Passive NC Alarm
Alarm isolation		4kV

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		16mm ²
Terminal screw torque - power		2Nm
Terminal capacity - alarms		2.5mm ²
Terminal screw torque - alarms		0.5Nm
Length		95mm
Width		90mm
Height		70mm

Standard Specifications

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

Shipping Specifications

Weight		600g
Customs tariff		85363000, 85363010

Other Specifications

Product Code		SDD3-100-460-A
--------------	---	----------------