

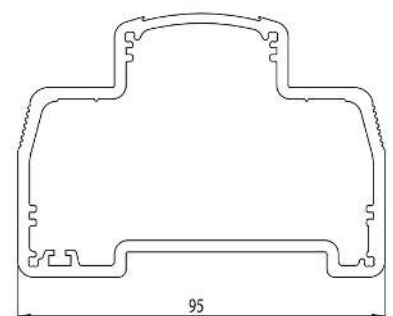
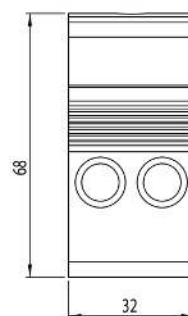
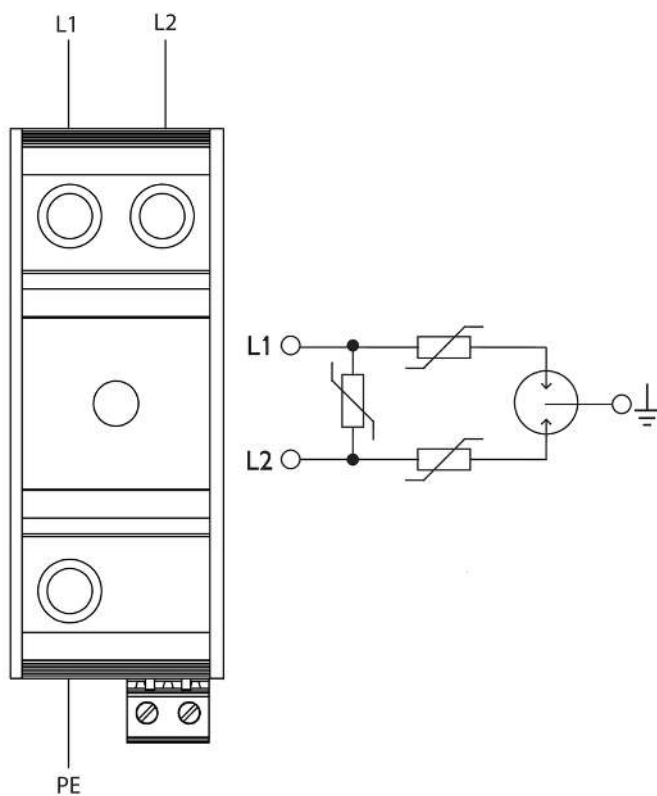
Technical Information Sheet

SDD2-40-50



Wiring

Dimensions



Technical Information Sheet

Specifications

Electrical Specifications

Connection type		Shunt
Modes of protection		L-L, L-PE
Number of phases		2
Nominal voltage	U_0	48VAC
Earth leakage current	I_{PE}	<10 μ A

Electrical (L-L) Specifications

Maximum continuous voltage AC	U_c	50VAC
Maximum continuous voltage DC	U_c	68VDC
Maximum discharge current (8/20 μ s)	I_{max}	40kA
Nominal discharge current (8/20 μ s)	I_n	20kA
Voltage protection level (3kA 8/20 μ s)	U_p	<200V
Response time	t_A	<5ns

Electrical (L-PE) Specifications

Maximum discharge current (8/20 μ s)	I_{max}	20kA
Nominal discharge current (8/20 μ s)	I_n	10kA
Total current		40kA
Voltage protection level (3kA 8/20 μ s)	U_p	<280V
Voltage protection level (1kV/ μ s)	U_p	<155V
Response time	t_A	<5ns

Indication Specifications

Display		LED power and thermal failure
Alarm		Passive 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		36mm
Height		70mm

Other Specifications

Product Code		SDD2-40-50
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Shipping Specifications

Weight		200g
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