

SGF1-40-130-275

Spark Gap Filters

Novaris SGF surge filters provide optimum Class I MSB and DB protection using robust spark gap technology in combination with a low pass L-C filter for critical equipment up to 125A per phase.

All Mode Protection

Protection is provided for all combinations of lines (L-N, L-E, N-E) ensuring the maximum level of protection is achieved at all times.

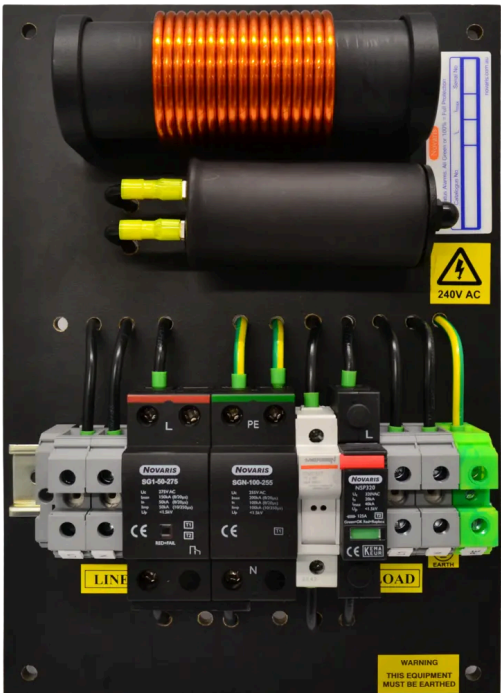
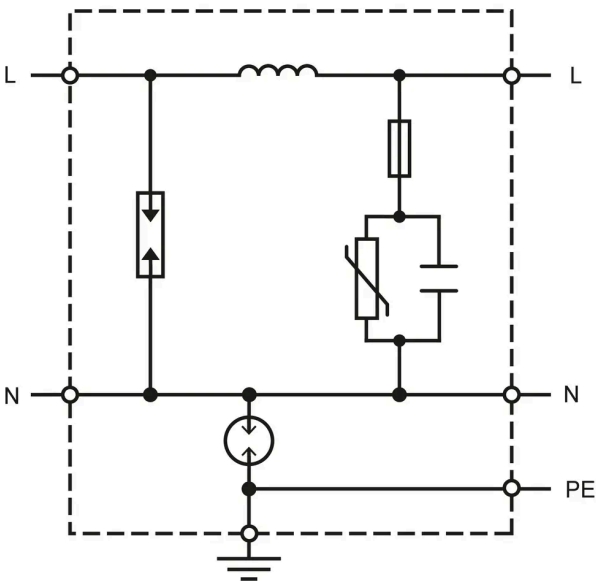
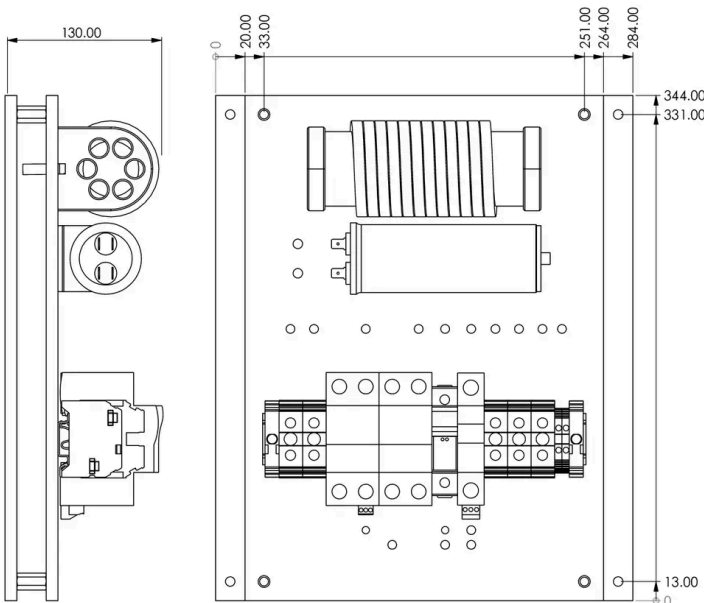


Image for illustrative purposes only

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}	50kA
Maximum backup fuse		40A
Earth leakage current	I_{PE}	<1μA

Electrical (L-N) Specifications

Maximum load current	I_L	40A
Maximum continuous voltage AC	U_c	275VAC
Maximum voltage drop (% of U_0)		<1%
Maximum discharge current (8/20 μs)	I_{max}	130kA
Nominal discharge current (8/20 μs)	I_n	50kA
Lightning impulse current (10/350 μs)	I_{imp}	50kA
Voltage protection level (3kA 8/20μs)	U_p	<300V
Response time	t_A	Instantaneous
Voltage withstand (5s)	U_T	335V

Electrical (N-PE) Specifications

Maximum continuous voltage	U_c	255VAC
Maximum discharge current (8/20 μs)	I_{max}	130kA
Nominal discharge current (8/20 μs)	I_n	100kA
Lightning impulse current (10/350 μs)	I_{imp}	100kA
Voltage protection level (In)	U_p	<1500V
Response time	t_A	<25ns

Indication Specifications

Display		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		Panel
Environmental rating		IP20
Terminal capacity - power		35mm²
Terminal screw torque - power		1Nm

Shipping Specifications

Weight		9kg
Customs tariff		85363000, 85363010

Other Specifications

Product Code		SGF1-40-130-275
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