

### SGF1-63-130-275

#### 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.

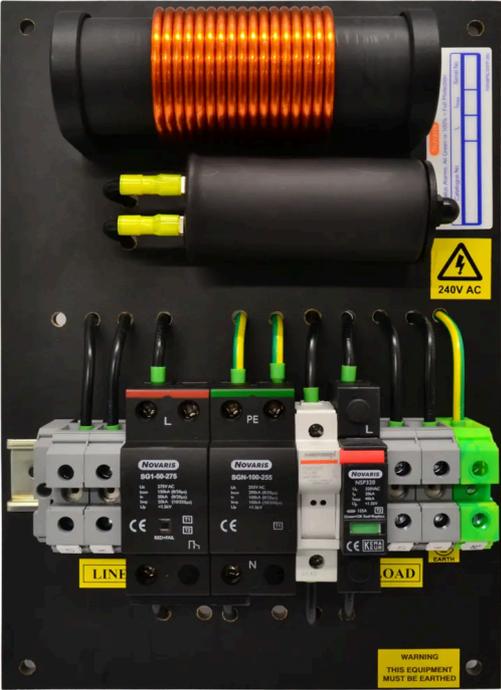
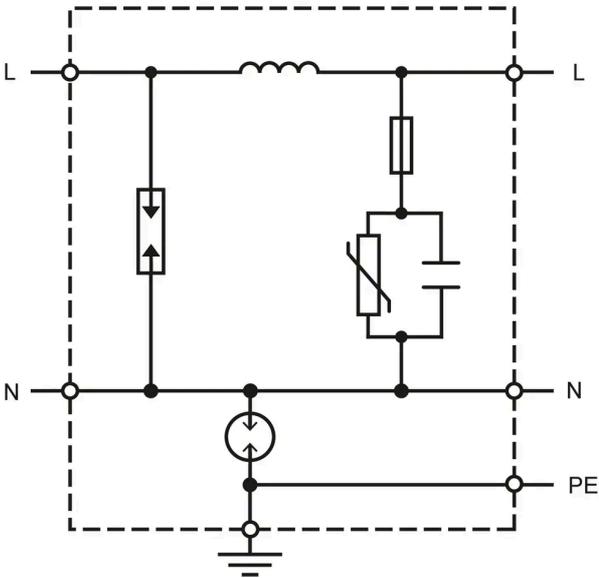
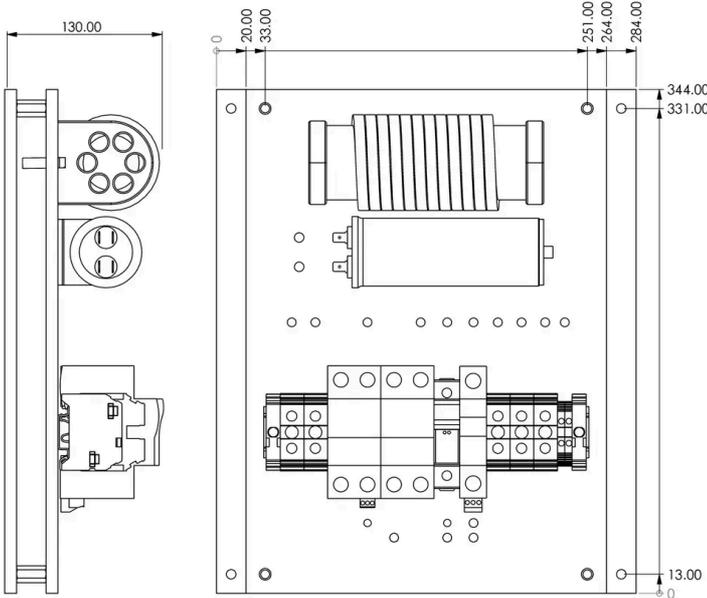


Image for illustrative purposes only

### 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		63A
Earth leakage current	$I_{PE}$	<1 $\mu$ A

## Electrical (L-N) Specifications

Maximum load current	$I_L$	63A
Maximum continuous voltage AC	$U_C$	275VAC
Maximum voltage drop (% of $U_0$ )		<1%
Maximum discharge current (8/20 $\mu$ s)	$I_{max}$	130kA
Nominal discharge current (8/20 $\mu$ s)	$I_n$	50kA
Lightning impulse current (10/350 $\mu$ s)	$I_{imp}$	50kA
Voltage protection level (3kA 8/20 $\mu$ s)	$U_p$	<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 $\mu$ s)	$I_{max}$	130kA
Nominal discharge current (8/20 $\mu$ s)	$I_n$	100kA
Lightning impulse current (10/350 $\mu$ s)	$I_{imp}$	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		35mm <sup>2</sup>
Terminal screw torque - power		1Nm

## Shipping Specifications

Weight		10kg
Customs tariff		85363000, 85363010

## Other Specifications

Product Code		SGF1-63-130-275
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