

EX20U8-50

EXCALIBUR POWERLINE SURGE FILTER

Excalibur powerline surge filters offer class-leading performance and reliability, whether you want to protect your home theatre or hi-fi. Convenient and straightforward to install, plug the product in, and clean, filtered power is now at your disposal, giving you peace of mind knowing that your assets are protected. Most surge protection power boards only provide a single layer of protection between your valuable equipment and damaging transient signals. The Excalibur powerline surge filter employs a 3-stage surge protection network to provide a premium level of protection.

Display

Excalibur is provided with an LED display showing the electrical parameters of the total connected loads.

All Mode Protection

Protection is provided for all combinations of lines ensuring the maximum level of protection is achieved at all times.

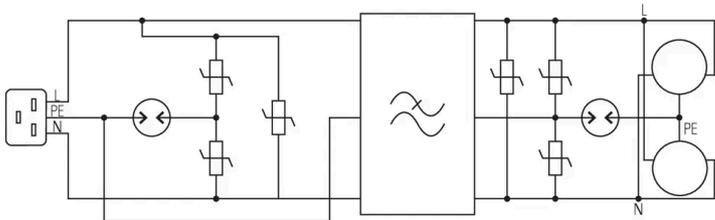
Safe Metal Enclosure

Novaris power protection products are housed in safe, all metal enclosures. In the event of a prolonged overvoltage they will not catch fire or explode.

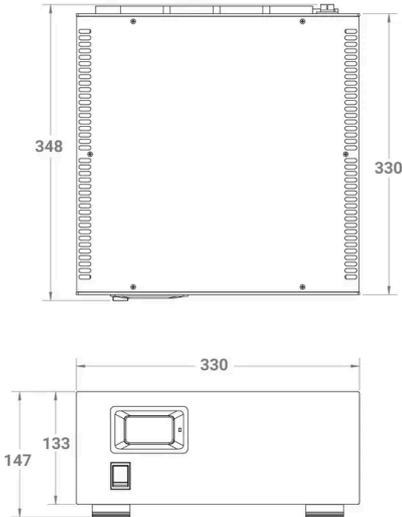


Image for illustrative purposes only

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	$I_{scrr}$	25kA
Maximum backup fuse		20A

## Electrical (L-N) Specifications

Maximum load current	$I_L$	20A
Maximum continuous voltage AC	$U_c$	275VAC
Maximum voltage drop (% of $U_0$ )		<1%
Maximum discharge current (8/20 $\mu$ s)	$I_{max}$	50kA
Nominal discharge current (8/20 $\mu$ s)	$I_n$	20kA
Voltage protection level (3kA 8/20 $\mu$ s)	$U_p$	<400V
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)	$I_{max}$	50kA
Nominal discharge current (8/20 $\mu$ s)	$I_n$	20kA
Voltage protection level (1kV/ $\mu$ s)	$U_p$	<600V
Response time	$t_A$	<25ns

## Indication Specifications

Display		Digital Screen - Voltage, Current, Power, Energy, Frequency, and Power Factor
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## Mechanical Specifications

Inlet connection		IEC C19 Socket
Outlet socket options		UK, Australia, USA and Universal
Number of outlets		8
Minimum operating temperature		-40°C
Maximum operating temperature		70°C
Minimum operating humidity		5%
Maximum operating humidity		95%
Mounting method		Free standing
Environmental rating		IP20
Enclosure material		Aluminium
Enclosure finish		Powdercoat
Length		330mm
Width		330mm
Height		147mm
Dimensional tolerance		0.5mm

## Standard Specifications

IEC 61643-11	SPD connected to low-voltage power systems - Type 2, 3
AS 1768	AC power system SPD - Cat B, A
IEEE 62.41.2	Low voltage SPD - Type 3
UL 1449	Low voltage SPD - Cat C

## Shipping Specifications

Weight		11kg
Customs tariff		85363000, 85363010

## Other Specifications

Product Code		EX20U8-50
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