

## PP10A2-50-J2

**Plug-in Surge Filters**

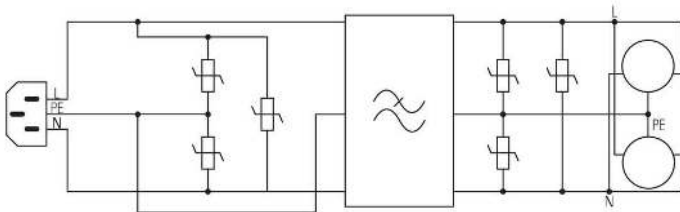
Whether you are looking to protect your home theatre, hi-fi, computer server, PC or communications equipment Novaris surge filters offer class leading performance and reliability. Simple and convenient to install, simply plug the product in and clean, filtered power is now at your disposal, giving you piece of mind knowing that your assets are protected.

**All Mode Protection**

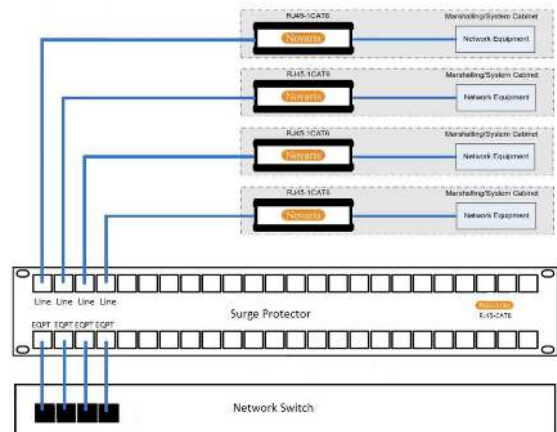
Protection is provided for all combinations of lines ensuring the maximum level of protection is achieved at all times.

**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.

**Wiring Plug In Filter****Standards Plug In Filter**

<a href="#">IEC 61643-11:2011</a>	SPD connected to low-voltage power systems - Type 2, 3
<a href="#">AS/NZS 1768:2007</a>	AC power system SPD - Cat B, A
<a href="#">IEEE 62.41.2:2002</a>	Low voltage SPD - Type 3 (<10m from device)
<a href="#">UL 1449 3rd edition</a>	Low voltage SPD, Cat C (<10m from device)

**Wiring CAT6 Protector****Standards CAT6 protector**

<a href="#">IEC 61643-21:2012</a>	SPD connected to telecommunications and signalling networks - Cat C2, D1
<a href="#">AS/NZS 1768:2007</a>	Signalling/Telecommunications surge protection
<a href="#">UL 497B</a>	Protectors for data communications and fire-alarm circuits
<a href="#">ITU-T K.44: 2012</a>	Resistibility tests for telecommunication equipment exposed to overvoltages and overcurrents
<a href="#">AS/CA S008:2010</a>	Requirements for Customer Cabling Products
<a href="#">AS/NZS 4117:1999</a>	Surge Protective Devices for Telecommunications Applications
<a href="#">AS/CA S009:2013</a>	Installation requirements for customer cabling (Wiring rules)

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

## Electrical Specifications

Location	Indoor
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## Indication Specifications

Display	 LED Power and Status
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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		Free standing
Environmental rating		IP20
Enclosure finish		Black powdercoat
Length		137mm
Width		207mm
Height		58mm

## Shipping Specifications

Weight		1.4kg
Customs tariff		85354010

# RJ45-1CAT6

## Electrical Specifications

Number of lines		4 pair & shield
Modes of protection		Transverse & Common
Maximum continuous voltage (DC)	$U_c$	6V
Maximum PoE voltage		80VDC
Maximum continuous voltage (AC)	$U_c$	4V
Maximum common mode discharge current (8/20 $\mu$ s)		10kA
Impulse durability C2 10x8/20 $\mu$ s		1.5kA
Maximum load current	$I_L$	1A
AC durability 5x1s		1Arms
Overstressed fault mode		Mode 3
Response time	$t_A$	<5ns
Line resistance		0.1 $\Omega$
Line inductance		0.2 $\mu$ H
Attenuation @220MHz		1.7dB
NEXT @250 MHz		35.8dB
Return Loss @ 250MHz		11.2dB

## Electrical (L-L) Specifications

Voltage protection level @ 1 kV/ $\mu$ s	$U_p$	20V
Voltage protection level @ 100 V/ s		9V
Capacitance	- +	8pF

## Electrical (L-PE) Specifications

Voltage protection level @ 1 kV/ $\mu$ s	$U_p$	350V
Voltage protection level @ 100 V/ s		230V
Capacitance	- +	1.5pF

## Mechanical Specifications

Terminal type	RJ45 socket
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# PP10A2-50

## Electrical Specifications

Modes of protection	$\mathcal{P}$	L-N, L-PE, N-PE
Number of phases	$\equiv$	1
Nominal voltage	$U_0$	230VAC
Short circuit withstand level	$I_{SSCR}$	25kA
Maximum backup fuse	$\Rightarrow$	10A
Earth leakage current	$I_{PE}$	<500 $\mu$ A

## 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
Response time	$t_A$	<25ns

## Electrical (L-N) Specifications

Maximum load current	$I_L$	10A
Maximum continuous voltage AC	$U_c$	275VAC
Maximum voltage drop (% of $U_0$ )		<1%
3dB frequency @ 50 $\Omega$		900Hz
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)	$U_p$	<600V
Voltage protection level (In)	$U_p$	<800V
Response time	$t_A$	Instantaneous

## Mechanical Specifications

Inlet connection	IEC C14
Outlet connection	10A AU type 1
Number of outlets	2