

Wiring

# **Slimline Series Surge Protectors**

Novaris slimline surge protection devices (SPDs) provide surge protection for most twisted pair signaling schemes.

### Load Current Up to 6A

SSP6A-130-EC90

The SSP6A series surge protectors complement the SL range for applications of load currents up to 6A. Typical applications may include power supplies, digital outputs and other low voltage requirements up to 6A.

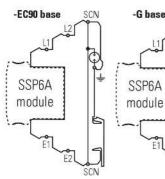
#### **Two Different Earthing Options**

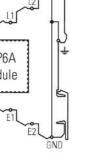
With two different base options the SSP6A protectors offer either direct earthing via DIN rail, for the most effective, low impedance earth connection (-G base) or a connection via GDT to the DIN rail, offering isolation under normal conditions and equipotential bonding during a surge (-EC90 base).

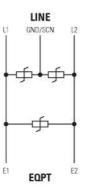
#### Slimline Pluggable Modules

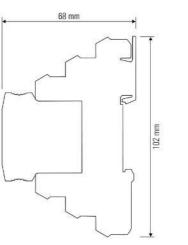
The plug-in design provides simple and rapid replacement and testing - no rewiring needed. This also provides a convenient method of field equipment isolation if required.

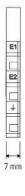
### **Dimensions**











Novaris

### **Standards**

SPD connected to telecommunications and singalling networks - Cat C2 Signalling/Telecommunications surge protection UL 1499 & UL 497B Protectors for data communications and fire-alarm circuits Resistibility tests for telecommunication equipment exposed to overvoltages and overcurrents **Requirements for Customer Cabling Products** Surge Protective Devices for Telecommunications Applications

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IEC 61643-21

AS/NZS 1768

**ITU-T K.44** 

**AS/CA S008** 

AS/NZS 4117

# **Specifications**

### **Electrical Specifications**

Connection type	¥	Series
Number of lines	≔	1 pair
Modes of protection	አ	Transverse and Common
Maximum continuous voltage (DC)	U <sub>c</sub>	170V
Maximum continuous voltage (AC)	U <sub>c</sub>	130V
Maximum discharge current (8/20 µs)	l <sub>max</sub>	1.8kA
Maximum common mode discharge current (8/20 µs	3.6kA	
Impulse durability C2 10x8/20µs		1kA
Maximum load current	I <sub>L</sub>	6A
AC durability 5x1s		1A rms
Overstressed fault mode		Mode 3
Response time	t <sub>A</sub>	<5ns
Line resistance		0.02Ω
Insertion loss @ 150 Ω	hı.	<0.5dB @ <20kHz
3 dB Frequency @ 150 Ω		80kHz

Mechanical Specifications		
Minimum operating temperature	ß	-40°C
Maximum operating temperature	l	70°C
Minimum operating humidity	٢	5%
Maximum operating humidity	٨	95%
Mounting method	r	TS35 DIN Rai
Environmental rating	ŵ	IP20
Enclosure material	Ø	Polycarbonate
Enclosure finish		Black
Terminal type		Screw cage
Terminal capacity	Θ	2.5mm <sup>2</sup>
Terminal screw torque	C	0.5Nm
Earthing		90V isolation
Length	2	102mm
Width	↔	7mm
Height	1	68mm
Dimensional tolerance		0.5mm

### Electrical (L-L) Specifications

Voltage protection level @ 1 kV/ µs	U <sub>p</sub>	450V
Voltage protection level @ 100 V/ s		220V
Capacitance	⊣⊦	16nF

## Other Specifications

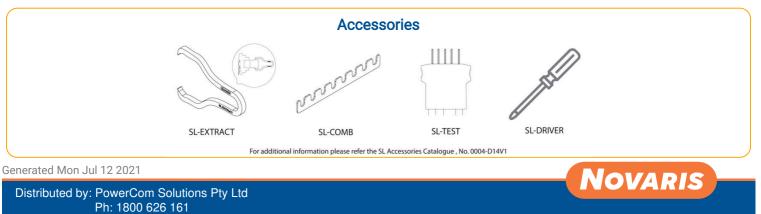
Product Code SSP6A-130-EC90

### **Electrical (L-PE) Specifications**

Voltage protection level @ 1 kV/ $\mu s$	Up	450V
Voltage protection level @ 100 V/ s		220V
Capacitance	⊣⊦	20nF

## Shipping Specifications

Weight	Â	35g
Customs tariff	*	85363000, 85363010



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