

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.

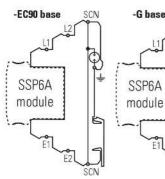
Two Different Earthing Options

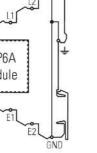
With two different base options the SSP6A protectors offer either direct earthing via DIN rail, for the most effective, low impedance earth connection (-G base) or a connection via GDT to the DIN rail, offering isolation under normal conditions and equipotential bonding during a surge (-EC90 base).

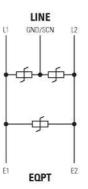
Slimline Pluggable Modules

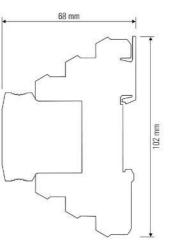
The plug-in design provides simple and rapid replacement and testing - no rewiring needed. This also provides a convenient method of field equipment isolation if required.

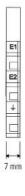
Dimensions











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 _c | 170V |
| Maximum continuous voltage (AC) | U _c | 130V |
| Maximum discharge current (8/20 µs) | l _{max} | 1.8kA |
| Maximum common mode discharge current (8/20 µs | 3.6kA | |
| Impulse durability C2 10x8/20µs | | 1kA |
| Maximum load current | I _L | 6A |
| AC durability 5x1s | | 1A rms |
| Overstressed fault mode | | Mode 3 |
| Response time | t _A | <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 ² |
| 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 _p | 450V |
|-------------------------------------|----------------|------|
| Voltage protection level @ 100 V/ s | | 220V |
| Capacitance | ⊣⊦ | 16nF |

Other Specifications

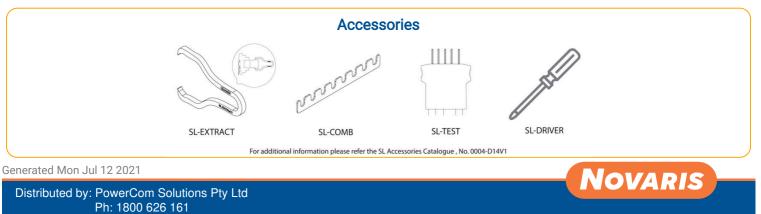
Product Code SSP6A-130-EC90

Electrical (L-PE) Specifications

| Voltage protection level @ 1 kV/ μs | Up | 450V |
|--|----|------|
| Voltage protection level @ 100 V/ s | | 220V |
| Capacitance | ⊣⊦ | 20nF |

Shipping Specifications

| Weight | Â | 35g |
|----------------|---|--------------------|
| Customs tariff | * | 85363000, 85363010 |



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