

## SSP10A-65



## Series surge protector 10A

The Novaris SSP10A is a surge protection device designed to protect AC and DC low voltage power supplies. The SSP10A has zero earth leakage current and will prevent the tripping of supply fuses down to 2A should a transient overvoltage occur. The SSP10A is DIN rail mountable and is locked onto the DIN rail when the earth lug screw is tightened.

**Failsafe design.** In the event of an excessive common mode surge, a fuse will rupture isolating the earth thereby preventing a short circuit to earth. This is critical for applications like railway signaling.

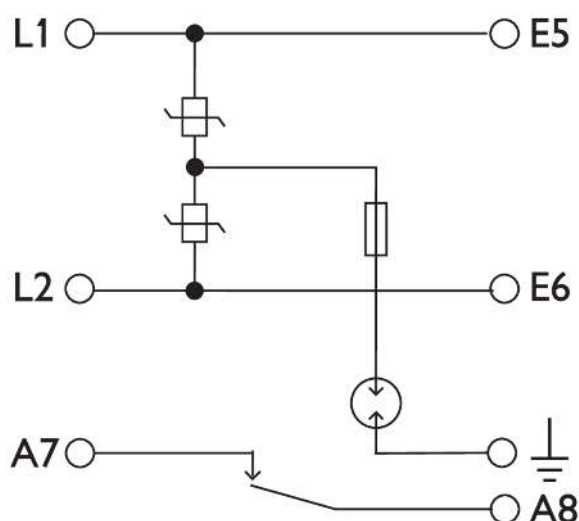
**Indicating fuse.** Should the earth fuse rupture a red indicating flag will pop up and a normally closed voltage free contact will change state.

**External alarm.** In the event the earth fuse ruptures a normally closed alarm contact will open providing means for remote monitoring.

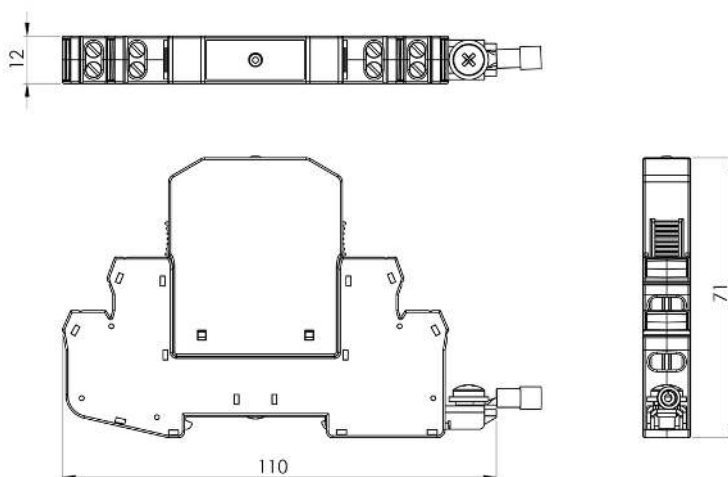
**Pluggable design.** The pluggable design allows for easy removal and replacement.

**Power indicator.** An LED indicates the presence of power.

## Wiring



## Dimensions



## Standards





IEC 61643-21  
AS/NZS 1768  
UL497, A, B  
AS/NZS 4117

SPD connected to telecommunications and signaling networks – Cat C2, D1  
Lightning Protection  
Protectors for telecommunications, data and fire alarm circuits  
Surge Protective Devices for Telecommunications Applications













## Product Datasheet

## Specifications

## Electrical Specifications

Connection type		Series
Number of lines		1 pair
Modes of protection		Transverse & Common
Maximum continuous voltage (DC)	$U_c$	65V
Maximum continuous voltage (AC)	$U_c$	50V
Maximum discharge current (8/20 $\mu$ s)	$I_{max}$	7.5kA
Maximum common mode discharge current (8/20 $\mu$ s)		15kA
Impulse durability C2 10x8/20 $\mu$ s		2.5kA
AC durability 5x1s		1Arms
Overstressed fault mode		Mode 3
Response time	$t_A$	<5ns
Line resistance		0.02 $\Omega$
3 dB Frequency @ 150 $\Omega$		130kHz
Minimum supply fuse rating		2A

## Mechanical Specifications

Minimum operating temperature		-40°C
Maximum operating temperature		70°C
Minimum operating humidity		5%
Maximum operating humidity		95%
Mounting method		TS35 DIN Rail
Environmental rating		IP20
Enclosure material		Polycarbonate
Terminal type		Screw cage
Terminal capacity		2.5mm <sup>2</sup>
Terminal screw torque		0.5Nm
Earthing		90V isolation
Length		110mm
Width		12mm
Height		71mm

## Electrical (L-L) Specifications

Voltage protection level @ 1 kV/ $\mu$ s	$U_p$	145V
Voltage protection level @ 3 kA 8/20 $\mu$ s	$U_p$	160V
Voltage protection level @ 100 V/ s		110V
Capacitance	$-I-$	9nF

## Electrical (L-PE) Specifications

Voltage protection level @ 1 kV/ $\mu$ s	$U_p$	550V
Voltage protection level @ 3 kA 8/20 $\mu$ s	$U_p$	755V
Voltage protection level @ 100 V/ s		210V
Capacitance	$-I-$	<2pF

## Indication Specifications

Over current fault	LED (internal line fuse)
Common mode tripping surge fault	Alarm and flag (common mode fuse)
Transverse mode tripping surge fault	LED (internal line fuse)
Thermal failure	Alarm
Display	Power

## Other Specifications

Product Code		SSP10A-65
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## Shipping Specifications

Weight		55g
Customs tariff		85363000