

## SLH2-230

**High Energy Signal Line Protection**

The Novaris SLH2 range provides 20kA high energy surge protection for balanced pair signaling circuits with line currents up to 2.5A.

**Multistage protection**

Following the primary GDT is a series coordinating impedance followed by a metal oxide varistor clamping circuit providing a safe voltage protection level for the connected equipment.

**Pluggable design**

The protection circuitry is contained within a removable top module. This pluggable design allows for easy removal and replacement. Reliable gold-plated connectors are used between top and base modules.

**Earthing**

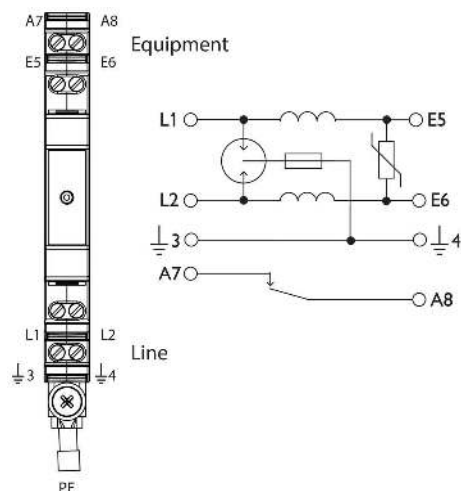
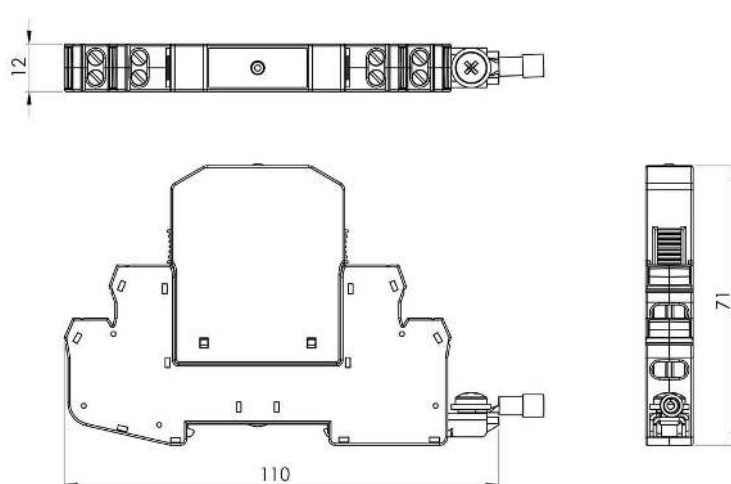
The SLH2 range utilizes a base which can be locked to the DIN rail by a screw that also provides an earth termination.

**Failsafe design**

In the event of excessive surge current, a fuse will rupture, preventing a short circuit to earth.

**Indication and alarm**

In the event of a failure a red indicating flag on the module will be activated. A normally closed alarm contact will open providing a means for remote condition monitoring.

**Wiring****Dimensions****Standards**

IEC 61643-21  
AS1768  
UL497, A, B  
AS/NZS 4117

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

## Product Datasheet

### Electrical Specifications

Connection type		Series
Number of lines		1 pair
Modes of protection		Transverse & Common
Maximum continuous voltage (DC)	$U_c$	230V
Maximum continuous voltage (AC)	$U_c$	175V
Maximum discharge current (8/20 $\mu$ s)	$I_{max}$	10kA
Maximum common mode discharge current (8/20 $\mu$ s)		20kA
Maximum discharge current (10/350 $\mu$ s)		2.5kA
Maximum common mode discharge current (10/350 $\mu$ s)	$I_{imp}$	5kA
Impulse durability C2 10x8/20 $\mu$ s		10kA
Impulse durability D1 2x10/350 $\mu$ s		5kA
Maximum load current	$I_L$	2.5A
AC durability 5x1s		1A rms
Overstressed fault mode		Mode 3
Response time	$t_A$	<5ns
Line resistance		0.06 $\Omega$
Line inductance		20 $\mu$ H
Insertion loss @ 150 $\Omega$		<0.5dB @ <1MHz
3 dB Frequency @ 150 $\Omega$		60MHz

### Electrical (L-L) Specifications

Voltage protection level @ 1 kV/ $\mu$ s	$U_p$	340V
Voltage protection level @ 3kA 8/20 $\mu$ s with 50 $\Omega$ load	$U_p$	215V
Voltage protection level @ 3 kA 8/20 $\mu$ s	$U_p$	350V
Voltage protection level @ 100 V/ s		300V
Capacitance	- +	32pF

### Electrical (L-PE) Specifications

Voltage protection level @ 1 kV/ $\mu$ s	$U_p$	400V
Voltage protection level @ 3 kA 8/20 $\mu$ s	$U_p$	500V
Voltage protection level @ 100 V/ s		230V
Capacitance	- +	2pF

### Indication Specifications

Alarm		Impulse overload current
Alarm isolation		100V

### 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		Direct
Length		110mm
Width		12mm
Height		71mm
Dimensional tolerance		0.5mm

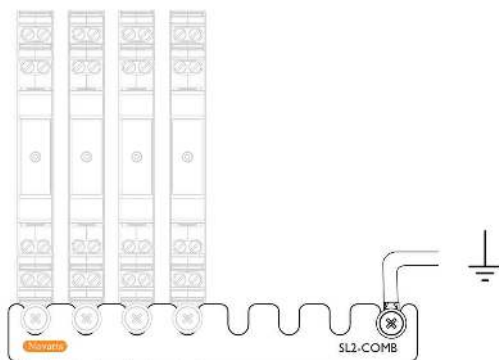
### Other Specifications

Product Code		SLH2-230
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### Shipping Specifications

Weight		75g
Customs tariff		85363000, 85363010

### Earth Comb Option



Earth comb sold separately

### G Rail Mounting Clip Option (-G)

