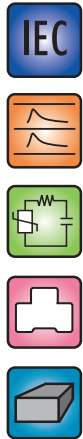




## SLD1 Single Pair Signal Line Protection

Novaris SLD1 single pair signal line protection offers protection for a single pair of twisted wires. Typical applications include process control, PLC, fire and security systems, telemetry and SCADA applications.



		SLD1-7V5	SLD1-18	SLD1-36	SLD1-68	SLD1-200	SLD1-DH	SLD1-485
<b>Electrical Specifications</b>								
Connection type		Series						
Modes of protection		Transverse and common modes						
Number of pairs		1						
Maximum continuous voltage (DC)	$U_c$	7V	16V	34V	65V	200V	34V	8V
Maximum continuous voltage (AC)		5V	11V	24V	46V	140V	24V	6V
Maximum discharge current (8/20 $\mu$ s)	$I_{max}$	20kA						
Maximum load current	$I_L$	350mA (2A for 2 option)						500mA
Protection stages		Multistage						
Voltage protection level @ 5kV (10/700 $\mu$ s)	$U_p$	10V	22V	41V	77V	200V	50V	15V
Maximum frequency	$f_c$	250kHz (25MHz for H option)						20MHz
Series resistance		8.2 $\Omega$ (0.1 $\Omega$ for 2 option, 3.9 $\Omega$ for H option)						3.9 $\Omega$

<b>Mechanical Specifications</b>	
Operating temperature / humidity	-40 to +85°C / 0 to 90% non-condensing
Connection type	2.5mm <sup>2</sup> pluggable
Environmental	IP 20
Mounting	TS35 DIN rail
Enclosure / colour	Metal / black
Weight	250g

<b>Dimensions</b>	
Width	19.5mm
Height	95mm
Depth	78mm

<b>Options</b>			
Maximum load current 2A	$I_L$	2	-
High frequency 25MHz	$f_c$	H	-

### Standards Compliance

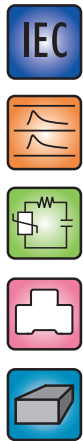
ITU-T K.44
AS/NZS 1768
AS4117
BS 6651
CP 33
IEC 61643-21
UL497B

\*Due to continued product development Novaris reserves the right to change these specifications without prior notice



## SLD2 Single Pair Signal Line Protection

Novaris SLD2 single pair signal line protection offers protection for two pairs of twisted wires. Typical applications include process control, PLC, fire and security systems, telemetry and SCADA applications.



		SLD2-7V5	SLD2-18	SLD2-36	SLD2-68	SLD2-200	SLD2-DH	SLD2-485
<b>Electrical Specifications</b>								
Connection type		Series						
Modes of protection		Transverse and common modes						
Number of pairs		2						
Maximum continuous voltage (DC)	U <sub>c</sub>	7V	16V	34V	65V	200V	34V	8V
Maximum continuous voltage (AC)		5V	11V	24V	46V	140V	24V	6V
Maximum discharge current (8/20μs)	I <sub>max</sub>	20kA						
Maximum load current	I <sub>L</sub>	350mA (2A for 2 option)						500mA
Protection stages		Multistage						
Voltage protection level @ 5kV (10/700μs)	U <sub>p</sub>	10V	22V	41V	77V	200V	50V	15V
Maximum frequency	f <sub>c</sub>	250kHz (25MHz for H option)						20MHz
Series resistance		8.2Ω (0.1Ω for 2 option, 3.9Ω for H option)						3.9Ω

<b>Mechanical Specifications</b>	
Operating temperature / humidity	-40 to +85°C / 0 to 90% non-condensing
Connection type	2.5mm <sup>2</sup> pluggable
Environmental	IP 20
Mounting	TS35 DIN rail
Enclosure / colour	Metal / black
Weight	300g

<b>Dimensions</b>	
Width	29mm
Height	95mm
Depth	78mm

<b>Options</b>	
Maximum load current 2A	I <sub>L</sub> 2 -
High frequency 25MHz	f <sub>c</sub> H -

\*Due to continued product development Novaris reserves the right to change these specifications without prior notice

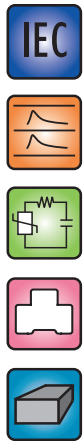
Standards Compliance
ITU-T K.44
AS/NZS 1768
AS4117
BS 6651
CP 33
IEC 61643-21
UL497B



## SLD4 Single Pair Signal Line Protection

Novaris SLD4 single pair signal line protection offers protection for up to four pairs of twisted wires. Typical applications include process control, PLC, fire and security systems, telemetry and SCADA applications.

Product Series **SLD 4 - 36 - 2** Options **U<sub>c</sub>**  
 Pairs \_\_\_\_\_



	SLD4-7V5	SLD4-18	SLD4-36	SLD4-68	SLD4-200	SLD4-DH	SLD4-485
--	----------	---------	---------	---------	----------	---------	----------

Electrical Specifications								
Connection type		Series						
Modes of protection		Transverse and common modes						
Number of pairs		4						
Maximum continuous voltage (DC)	U <sub>c</sub>	7V	16V	34V	65V	200V	34V	8V
Maximum continuous voltage (AC)		5V	11V	24V	46V	140V	24V	6V
Maximum discharge current (8/20μs)	I <sub>max</sub>	20kA						
Maximum load current	I <sub>L</sub>	350mA (2A for 2 option)					500mA	
Protection stages		Multistage						
Voltage protection level @ 5kV (10/700μs)	U <sub>p</sub>	10V	22V	41V	77V	200V	50V	15V
Maximum frequency	f <sub>c</sub>	250kHz (25MHz for H option)					20MHz	
Series resistance		8.2Ω (0.1Ω for 2 option, 3.9Ω for H option)					3.9Ω	

Mechanical Specifications	
Operating temperature / humidity	-40 to +85°C / 0 to 90% non-condensing
Connection type	2.5mm <sup>2</sup> pluggable
Environmental	IP 20
Mounting	TS35 DIN rail
Enclosure / colour	Metal / black
Weight	400g

Dimensions	
Width	49mm
Height	95mm
Depth	78mm

Options		
Maximum load current 2A	I <sub>L</sub>	2
High frequency 25MHz	f <sub>c</sub>	H

\*Due to continued product development Novaris reserves the right to change these specifications without prior notice

### Standards Compliance

ITU-T K.44
AS/NZS 1768
AS4117
BS 6651
CP 33
IEC 61643-21
UL497B