

## SL Slimline Signal Line Protectors

Novaris SL range of plug-in signal line protectors provide surge protection for most twisted pair signalling schemes. Ideal for the protection of PLCs, fire and security systems, telecommunications and telemetry systems, railway signalling, SCADA and other industrial monitoring and control equipment.



SL 7v5 - [\*]

Product Series  
Top

Base option

SL7v5

SL18

SL36

SL68

SL-PSTN

SL-iSwitch

Electrical Specifications		SL7v5	SL18	SL36	SL68	SL-PSTN	SL-iSwitch
Connection type		Series					
Modes of protection		Transverse and common mode					
Maximum continuous voltage (DC)	$U_c$	7V	16V	34V	65V	200V	200V
Maximum continuous voltage (AC)	$U_c$	5V	11V	24V	46V	140V	140V
Discharge current 8/20 $\mu$ s	$I_{max}$	10kA					
Maximum load current	$I_L$	250mA					180mA
Impulse voltage 1.2/50 $\mu$ s	$U_p$	8V	19V	40V	76V	235V	30V
Impulse durability		C2 8/20 $\mu$ s, 5kA, 10 times					
AC durability		1 A <sub>rms</sub> , 1s, 5 times					
Overstressed fault mode		Mode 3					
Line resistance		9 $\Omega$			8.2 $\Omega$	17 $\Omega$	
Insertion loss @ 150 $\Omega$		0.5dB			0.4dB		
3dB Frequency @ 50 $\Omega$		250kHz			10MHz	20MHz	

Mechanical Specifications	
Operating temperature / humidity	-40 to +70°C / 5 to 95% non-condensing @ min current
Terminal capacity	2.5mm <sup>2</sup>
Terminal screw torque	0.5Nm
Environmental	IP 20
Mounting	TS35 DIN rail
Weight	35g

Dimensions	
Width	7mm
Height	102mm
Depth	68mm

Base Options [*]	
Earth connected to DIN rail	G
Earth connected to DIN rail via GDT	EC90

### Standards Compliance

ITU-T K.44
AS/NZS 1768
IEEE C62.41
BS 6651
CP 33
IEC 61643-21
UL497B
A-tick (PSTN & iSwitch)