

KP10-VDSL

Krone Protector

The Novaris KP series of products are suitable for telephone and signal line protection for termination systems utilising KRONE™ LSA-PLUS 10-way connection blocks.

Telephone and Signal protection

The KPx-T devices are designed for protecting PSTN and digital PABX signals with a maximum line voltage of up to 200V.

The KPx-xxDC product range has been engineered to protect all common signalling systems. A single KP10-xxDC can be used to efficiently protect up to 10 signal pairs.

The KP10-VDSL provides protection for the highest VDSL2 signals with minimal attenuation and a 3dB frequency of 70MHz.

Two Stages of Protection

Standard KRONE™ surge arresters only provide a single stage of protection which cannot prevent equipment from being exposed to excessive voltages during a surge event. The KP series of products utilise a two stage protection approach that keeps the voltage let through to an absolute minimum.

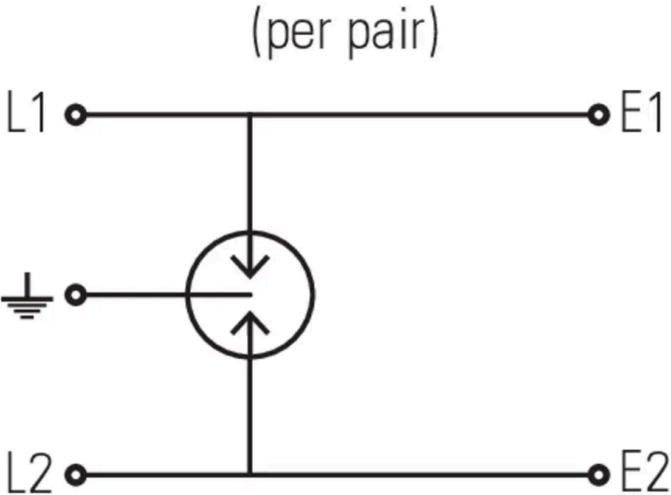
1 Pair and 10 Pair Configurations

Choose your protection width based on the number of lines you need to protect.

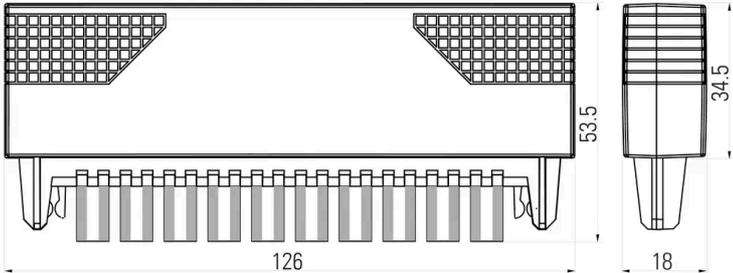


Image for illustrative purposes only

Wiring



Dimensions



Product Datasheet

Electrical Specifications

Connection type		Series
Number of lines		10 pair
Modes of protection		Transverse and Common
Maximum continuous voltage (DC)	U_c	200V
Maximum continuous voltage (AC)	U_c	140V
Maximum discharge current (8/20 μ s)	I_{max}	5kA
Maximum common mode discharge current (8/20 μ s)		10kA
Impulse durability C2 10x8/20 μ s		5kA
Maximum load current	I_L	250mA
AC durability 5x1s		1A rms
Overstressed fault mode		Mode 3
Response time	t_A	<25ns
Line resistance		0.2 Ω
Insertion loss @ 150 Ω		<0.5dB @ 20kHz
3 dB Frequency @ 150 Ω		70MHz
Earthing		Krone LSA-Plus

Other Specifications

Product Code		KP10-VDSL
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Electrical (L-L) Specifications

Voltage protection level @ 1 kV/ μ s	U_p	220V
Voltage protection level @ 100 V/ s		130V
Capacitance	$\text{--}\text{+}$	1.5pF

Electrical (L-PE) Specifications

Voltage protection level @ 1 kV/ μ s	U_p	350V
Voltage protection level @ 3 kA 8/20 μ s	U_p	600V
Voltage protection level @ 100 V/ s		230V
Capacitance	$\text{--}\text{+}$	4.5pF

Mechanical Specifications

Minimum operating temperature		-40°C
Maximum operating temperature		70°C
Minimum operating humidity		5%
Maximum operating humidity		95%
Mounting method		Krone LSA-Plus
Environmental rating		IP20
Enclosure material		Polycarbonate
Enclosure finish		Black ABS
Terminal type		Krone LSA-Plus
Length		126mm
Width		18mm
Height		54mm

Shipping Specifications

Weight		150g
Customs tariff		85363000