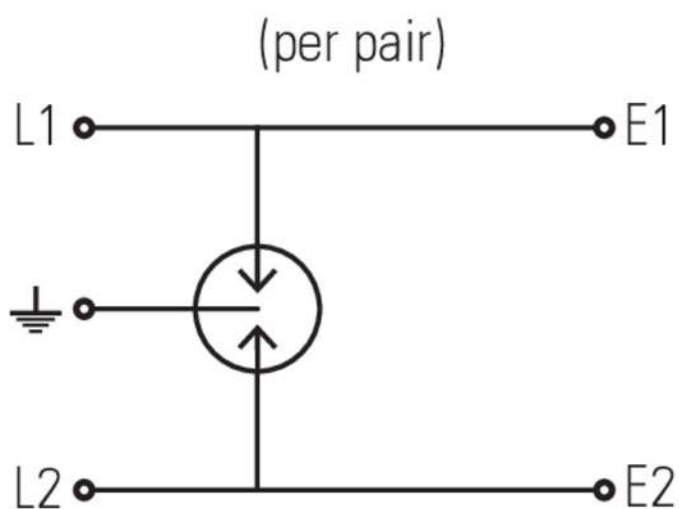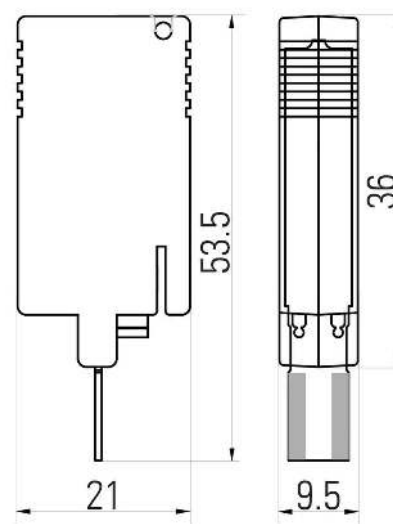**Product Datasheet**

KP1-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. The KP10-VDSL provides protection for the highest VDSL2 signals with minimal attenuation and a 3dB frequency of 70MHz.

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.

1 Pair and 10 Pair Configurations

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

Wiring

(per pair)

L1 ——————— E1

L2 ——————— E2

Dimensions

53.5

36

21

9.5

Standards

No standards are mentioned!

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Product Datasheet

Electrical Specifications

Connection type		Series
Number of lines		1 pair
Modes of protection		Transverse and Common
Maximum continuous voltage (DC)	U_c	230V
Maximum discharge current (8/20 µs)	I_{max}	5kA
Maximum common mode discharge current (8/20 µs)		10kA
Impulse durability C2 10x8/20µs		5kA
Maximum load current	I_L	250mA
AC durability 5x1s		1Arms
Overstressed fault mode		Mode 3
Response time	t_A	<5ns
Insertion loss @ 150 Ω		<0.5dB @ 20kHz
3 dB Frequency @ 150 Ω		70MHz

Electrical (L-L) Specifications

Voltage protection level @ 1 kV/ µs	U_p	450V
Voltage protection level @ 100 V/ s		130V
Capacitance		1.5pF

Electrical (L-PE) Specifications

Voltage protection level @ 1 kV/ µs	U_p	450V
Voltage protection level @ 100 V/ s		230V
Capacitance		1.5pF

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 EDM
Terminal type		Krone LSA-Plus
Length		53mm
Width		126mm
Height		21mm

Other Specifications

Product Code		KP1-VDSL

Shipping Specifications

Weight		20g
Customs tariff		85363000

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