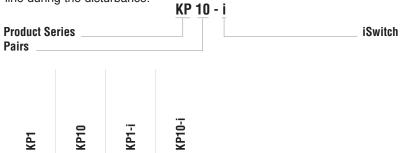
## Novaris **TELEPHONE PROTECTION**





## KP KRONE-LSA® MDF - 1 Pair / 10 Pair

The Novaris KP provides protection for KRONE-LSA® termination systems and is suitable for all twisted pair telecommunication services. The unique iSwitch technology offers the ultimate in protection against induced transients and AC induction by totally isolating the load from the incoming line during the disturbance.





Electrical Specifications					
Connection type		Series			
Modes of protection		Transverse and common modes			
Maximum continuous voltage	U <sub>c</sub>	200VDC			
Maximum discharge current (8/20µs)	Imax	5kA			
Maximum load current	I,	350	350mA 180mA		OmA
Protection stages		Multistage			
Voltage protection level @ 5kV (10/700µs)	Up	<150V		<30V	
Maximum frequency	f <sub>c</sub>	20MHz			
Series resistance		8.2Ω		17Ω	
Mechanical Specifications					
Operating temperature / humidity		-40 to +85°C / 0 to 90% non-condensing			
Connection type		KRONE LSA-PLUS®			
Environmental		IP 20			
Mounting		KRONE LSA-PLUS®			
Enclosure / colour		ABS / black			
Weight		6.5g	150g	6.5g	150g
Dimensions					
		0.4mm	105mm	0.4mm	125mm
Height		21mm	18mm	21mm	18mm
Depth		36mm	42mm	36mm	42mm
	Connection type Modes of protection Maximum continuous voltage Maximum discharge current (8/20µs) Maximum load current Protection stages Voltage protection level @ 5kV (10/700µs) Maximum frequency Series resistance Mechanical Specifications Operating temperature / humidity Connection type Environmental Mounting Enclosure / colour Weight Dimensions Width Height	Connection type Image: Second Sec	Connection type Image: Connection type   Modes of protection Image: Connection type   Maximum continuous voltage $U_e$ Maximum discharge current (8/20µs) $I_{max}$ Maximum load current $I_L$ Maximum load current $I_L$ Yottage protection level @ 5kV (10/700µs) $U_p$ Voltage protection level @ 5kV (10/700µs) $U_p$ Maximum frequency $f_c$ Series resistance 8.2   Mechanical Specifications 0   Operating temperature / humidity -40 t   Connection type 1   Environmental 1   Mounting 1   Enclosure / colour 6.5g   Dimensions 9.4mm   Height 21mm	Connection type Set   Modes of protection Transverse and   Maximum continuous voltage $U_c$ 200   Maximum discharge current (8/20µs) $I_{max}$ 54   Maximum load current $I_L$ 350mA   Protection stages Multi   Voltage protection level @ 5kV (10/700µs) $U_p$ <150V	Connection type Series   Modes of protection Transverse and common mode   Maximum continuous voltage U <sub>c</sub> 200VDC   Maximum discharge current (8/20µs) I <sub>max</sub> 5kA   Maximum load current I <sub>L</sub> 350mA 180   Protection stages Multistage Voltage protection level @ 5kV (10/700µs) U <sub>p</sub> <150V

Note: KRONE-LSA<sup>®</sup> is a trademark of KRONE, GmbH, Germany