KRONE LSA-PLUS PROTECTOR

Provides ultimate assurance of system reliability for telecom and other signalling equipment which terminated on KRONE LSA-PLUS disconnect block

- **1 or 10 pair protection in a compact module**
- **Multi-stage protection offers additional safety**
- **Full range of voltage to suit any particular applications**
- **Quick and easy plug-in installation**
- **All mode protection(L-L, L-E)**
- **High surge rating and wide bandwidth**
- **Fail-safe current fuse design**

1 or 10 pair protection in a compact module - The KDP series of protectors have 1 pair and 10 pair model. Users can use the KDP10, 10 pair model or any number of the single pair model, KDP1 or any combination of them which means it can be used as a building block in surge protection solution to suit your existing or future requirements.

Multi-stage protection offers additional safety - KDP series employed sophisticated hybrid circuitry which not only can discriminate the harmful transient overvoltage from the desire signals but also resulted in exceptional low let-through voltage. It also provides greater assurance of system uptime and lower service costs than the conventional gas discharge tube type protectors.

Full range of voltage to suit any particular applications - KDP series have a variety of voltage models to fulfill users' expectations. They can be used in telecommunications lines like xDSL, DDN, ISDN, PSTN, distributed industrial control networks and any other twisted pair signal line with voltage operating from 5V to 200V.

Quick and easy plug-in installation - The KDP series protectors can be easily plugged into the KRONE LSA-PLUS disconnection blocks and are earthed via the two earth tabs to the back-mount frame.

All mode protection(L-L, L-E) - It offers both line to line (transverse mode) and line to earth (common mode) protection so that the destructive transients will never be able to entering your system.

High surge rating and wide bandwidth - Its 20KA high surge rating and 20MHz wide bandwidth can provide the best protection and ensures a smooth data flow in high speed data and signal lines.

Fail-safe current fuse design - Should the surge exceeding the capacity of the primary gas arrester, service would be interrupted by blowing the track fuse and gives a fault condition.

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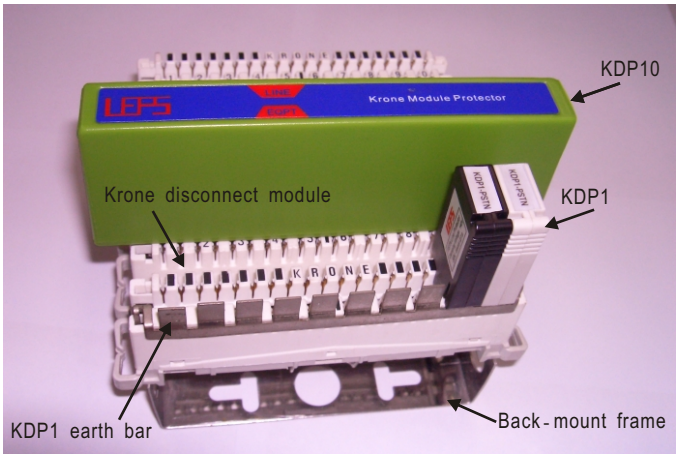
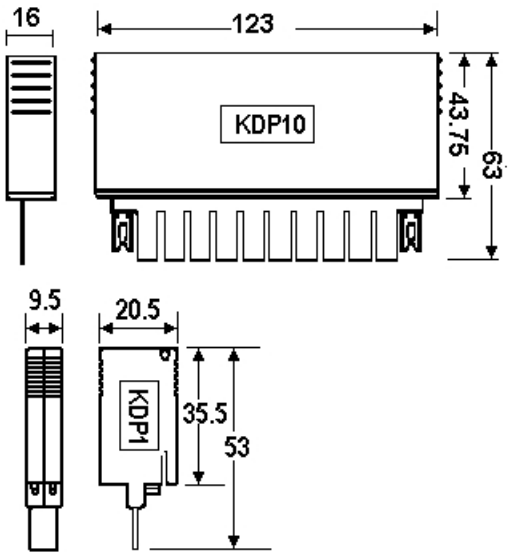
SPECIFICATIONS AND DRAWINGS

Installation



Dimensions



Ordering Information

MODEL	DESCRIPTION	MAX. WORKING VOLTAGE	LET-THROUGH VOLTAGE
KDP1-V5	Single pair, KRONE LSA-Plus disconnect block signal/data line protector	7V	10V
KDP1-V12		17V	23V
KDP1-V24		34V	43V
KDP1-V48		68V	79V
KDP1-V130		180	210
KDP1-V200		280V	320V
KDP10-V5	Ten pair, KRONE LSA-Plus disconnect block signal/data line protector	7V	10V
KDP10-V12		17V	23V
KDP10-V24		34V	43V
KDP10-V48		68V	79V
KDP10-V130		180V	210V
KDP10-V200		280V	320V

Notes:

(1) The suffix of the model number represents the nominal working voltage e.g.V5 has 5V nominal working voltage.

(2) For different applications or communication protocol's protection, please refer to our product selection guides.

General Specifications

Max. working voltage:	7-280V(see ordering information)
Max. operating current:	250mA
Protection modes:	common and transverse
Protection stages:	3 stages
Earth leakage current:	<5μA
Response time:	<5ns
Max. surge rating:	20KA(8/20μs) - KDP10 5KA(8/20μs) - KDP1
Max. data rate:	20Mb/s
Insertion loss:	<1dB at 20MHz
Let through voltage: (At 5KV 10/700μs)	10 - 320V(see ordering information)
Capacitance:	50pf
In line resistance:	3.9Ω
Standards compliance:	BS6651-1999 Cat.A.B.C AS1768-2003 Cat.A.B.C IEC 61643-21 ITU(CCITT)1X K17 CP33-1996 Cat.A.B.C UL497B
Earth connection:	Via earth clips on two ends - KDP10 Via earth bar - KDP1
Enclosure material:	ABS plastic
Operating temperature:	-40-85℃
Humidity:	0-95%(R.H.)
Altitude:	0-3650m
Weight:	
KDP1-All models	7g
KDP10-All models	95g

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