

TECHNICAL DATA SHEET GKSLP SIGNAL LINE PROTECTOR

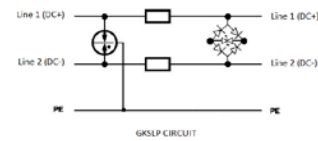
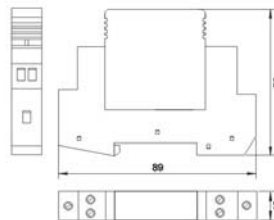


Product Description:

The LDU GKSLP range is a high quality low cost DIN compliant signal line protector of a modular design. Therefore when the device expires, you simply replace the module to reinstate the protector to full capacity. The protector has been designed to protect sensitive electronic circuits and components from damaging over voltages and currents.

Features:

- Designed to operate directly with DC Supply, RS-232, RS-422, RS-485 and with 20mA and 50mA instrumentation loops and industrial circuits.
- Ideal for high frequency video or telecommunication transmission
- Modular in design
- Signal transmission is not interrupted when changing the module
- Fast acting



Installation:

The GKSLP should be connected in series with the DC supply, data communication or signal line as close as possible to the equipment.

ORDER CODE		GKSLP1-2-5	GKSLP1-2-12	GKSLP1-2-24	GKSLP1-2-48
Electrical Specification:					
Application:		Single pair signal line protection			
Connection type:		Series			
Nominal voltage (Vdc):	U_n	5	12	24	48
Max Continuous Voltage (Vdc)	U_c	8	15	28	60
Clamping Voltage (Vdc):		12	20	32	56
Maximum load current:	I_L	2A			
Nominal Discharge Current (8/20 μ s, KA):	I_n	5			
Maximum Discharge Current (8/20 μ s, KA):	I_{max}	10			
Voltage Protection Level: (8/20 μ s, V) (A) U_p	Line - Line	$\leq 30V$	$\leq 45V$	$\leq 55V$	$\leq 190V$
	Line - Ground	$\leq 500V$			
Voltage Protection Level: (1kv/ μ s, V) (A) U_p	Line - Line	$\leq 24V$	$\leq 38V$	$\leq 48V$	$\leq 145V$
	Line - Ground	$\leq 600V$			
Response time (nS):	Line - Line	1			
	Line - Ground	≤ 1			
Transmission Speed (bps):	V_s	2M			
Series Impedance per line (Ohm)		2.2			
Insertion Loss:		$\leq 0.5dB$			
Operating temperature range:		$-25^0 - +70^0$			
Standard Compliance (Tested):		IEC 61643: 21-2005			
Surge Tested To:		ANSI C62.41 Cat A, Cat B, Cat C, AS/NZS 1768-2007 Cat A, Cat B, Cat C			
RCM Number (Aust Approval):		5140			
Mechanical Specifications:					
Connection type:		Screw terminal			
Enclosure material:		Thermoplastic: extinguishing degree UL94 V-0			
IP index:		IP 20			
Mounting:		35mm DIN rail in accordance with EN50022/DIN46277-3			
Width:		13mm			
Depth:		59mm			
Weight:		100g			

Other voltages are available on request.

Key: Example: GKSLP1-2-5

Gatekeeper	Number of lines	Operating Voltage	
GK	SLP	- 1 - 2 - 5	
Application	Current Rating		