



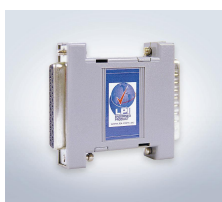
- Direct Strike Protection
- Earthing Products & Solutions
- Surge & Transient Protection for Power, Data, Communications and RF Lines

### LPI® Data Transmission Protectors: RS range

#### Features

- High performance surge protector for computers, terminals, printers and other peripheral equipment
- Moulded Construction
- Low clamping voltage

#### Product Description



LPI® DataProtector RS range is a pin surge protector designed for the protection of computers, terminals, printers and other peripheral equipment and the RS-232C interface cable.

Ordering code:	RS232-9-9 Pin	RS232-25-9 Pin	RS232-25-25 Pin	RS422-25-25 Pin
Application:	RS232 (EIA/TIA 574) Male/Female, DB9	RS-232 Null Modem Male/Female, DB25	RS-232C Male/Female, DB25	RS-422 (EIA/TIA 530) Male/Female, DB25
Pins connected through:	All pins to SGND (Pin 5) SGND to Ground (Case)	2,3,4,5,6,8,20,22 to SGND (Pin 7) SGND to Ground (Pin 1/Case)	All pins to SGND (Pin 7) SGND to Ground (Pin 1/Case)	2,3,4,5,6,8,9,10,14, 15,16,17,18,20,21, 22 to SGND (Pins 7 & 19) SGND to Ground (Pin 1)
Pins not connected:		All other pins connected through but not protected		All other pins connected through but not protected
Peak signal voltage (Protected Pins to Ground):	± 18V			± 9V
DC break-down voltage:	22 volts ± @ 1mA			15 volts ± @ 1mA
Max. Leakage current (Pin to Ground):	≤ 5 µA @ 18 volts ≤ 5 µA @ 18 volts			
Peak surge current:	50A with 10/1000 wave			400A with 8/20 wave
Surge life:	> 1000 times (0.5/100 kHz, 6000 V Ring wave, ANSI / IEEE C62.41 Cat. A)			
Operating temperature range (T) / Humidity:	- 40°C ~ + 60°C / 0 – 95%			
Warranty:	5 Years			

## Signal Attenuation

RS 232 range	RS422-25-25
Termination, 3K Ohms, 2.2 nF (External Shunt Capacitance) < 0.1 dB to 2 Mbits/sec < 1.0 dB to 4 Mbits/sec < 3.0 dB to 5.5 Mbits/sec	Termination, 3K Ohms, 78pF (External Shunt Capacitance) < 0.1 dB to 2 Mbits/sec < 1.0 dB to 4 Mbits/sec < 3.0 dB to 5.5 Mbits/sec

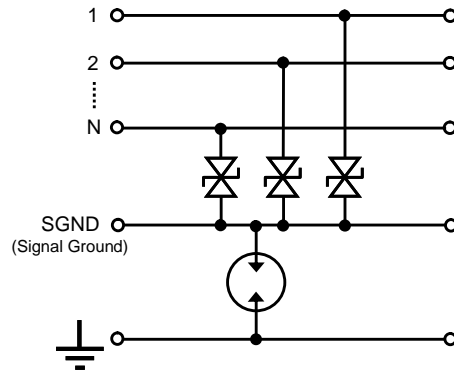


Figure 1: Schematic Diagram of RS Protector

## Installation / Operating instructions

This surge protector is used for the protection of data and signal lines. The protective device must be fitted directly to the equipment to be protected.

### Important

The retainers must always be securely fastened to the equipment. No flying earth lead required.



*LPI® has a policy of continuing product development. Therefore, the above specifications are subject to change without notice.*

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