

## MODEL:- TLP-SL12-RS422

Transtech Lightning Protector for RS422 Bus

### GENERAL DESCRIPTION

The TLP-SL12-RS 422 is a very compact **12mm wide** lightning and transient arrester providing protection for equipment connected to the RS 422 multi-point or party line bus by limiting the transient over-voltage to less than twice the normal working voltage.

The TLP-SL12-RS 422 provides protection between all conductors, line to line and each line to earth. It is mounted on to "DIN" rail (46277-3) and offers screen termination via terminals and the earth via a 300 mm earth wire "tail".

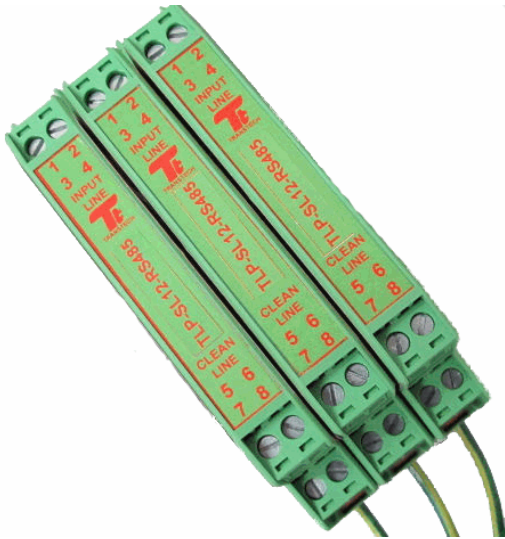
The TLP-SL12-RS 422 is suitable for all types of RS422 protocol due to the unique design whereby it has a high speed voltage sensitive switch which only enables the MOV protection when it senses a surge.

### TECHNICAL DATA

<b>Voltage rating</b>	
Normal working volt	+/-12V
Peak let thru volts	19V @ Ip = 1A
Peak let thru volts	30V @ Ip = 30A
<b>Protocols</b>	Modbus   Profibus
<b>Current/Resistance rating</b>	
End to End resist.	Less than 0.8 ohms
Max Current	1 Amp
Surge Current Imax	10kA/mode (8/20us) 2 kA/mode (10/350us)
<b>Discharge Power</b>	600W PPPD @ (8/20uS) (Peak Pulse Power Discharge)
<b>Response rating</b>	
Response time	Under 10nsec

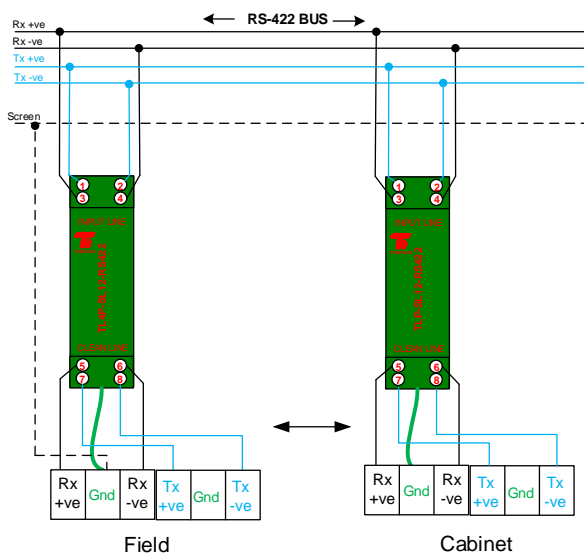
### GENERAL SPECIFICATION

Capacitance	@ 1MHz, 75pF
Operating Temp	-10 to 60 Deg C
Storage Temp	-55 to 75 Deg C
Terminals	Self-opening 2.5mm/12AWG
Housing Material	KRILEN
Mounting Style	DIN
Dimensions	100mm X 51.3mm X12.5mm
Weight	60 grams



### FEATURES

- ◆ Low "let thru" voltage
- ◆ All common protocols MB | PB
- ◆ Protection between ALL lines
- ◆ Fast snap on DIN rail mounting
- ◆ Fail to safe status design
- ◆ High speed switch technology to prevent signal attenuation
- ◆ Low line losses (volt drop)
- ◆ Designed and manufactured to ISO 9001
- ◆ C-Tick/ CE Compliant
- ◆ IEC 1000-4-2 & EN50082
- ◆ IEC 61643-1 and IEC 62305-4
- ◆ AS1768:2003



CONNECTION SCHEDULE

