

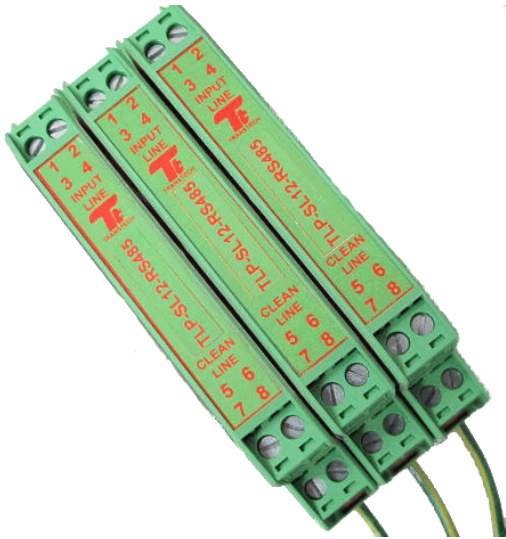
MODEL:- TLP-SL12 xxD

Transtech Lightning Protector for all LV Instrument Loops.

GENERAL DESCRIPTION

The TLP-SL12-xxD is a very compact 2 Channel **12mm wide** lightning and transient arrester providing protection for equipment with low voltage digital or analogue inputs, limiting the transient over-voltage to less than twice the normal working voltage.

The TLP-SL12-xxD 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".



FEATURES

- ◆ Low "let thru" voltage
- ◆ 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 (voltage drop)
- ◆ Designed and manufactured to ISO 9001
- ◆ C-Tick/ CE Compliant
- ◆ IEC 1000-4-2 & EN50082

TECHNICAL DATA

Voltage rating
Normal working voltage +/- 05, 12, 15, 18, 24, 30, 48 Vdc
Peak let thru volts 19V @ 1p = 1A
Peak let thru volts 24V @ 1p = 10A

Current/Resistance rating
End to End resist. Less than 0.6 ohms per channel
Max Current 1 Amp
Surge Current Imax 10kA/mode (8/20us)
 2 kA/mode (10/350us)

Discharge Power 400W PPPD @ (8/20uS)
 (Peak Pulse Power Discharge)

Response rating
Response time. Under 10nsec

GENERAL SPECIFICATION

Capacitance @ 1mMz, 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 110mm X 52mm X12mm
Weight 60 grams

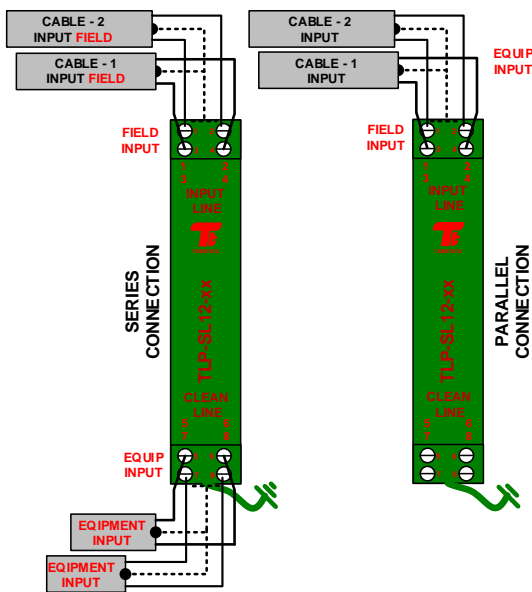
WIRING/CONNECTION NOTE:

The TLP-SL12-xxD series must be connected the correct way around. Terminals 1-2 and 3-4 are always the field input and terminals 5-6 and 7-8 (clean lines) must always input to the equipment being protected.

| Model | Working Voltage Frequency. | | Imax | In | Let Thru V | Response Time |
|--------------|----------------------------|-----|------|-----|------------|---------------|
| | Line - Line | | | | | |
| TLP-SL12-05D | 5V | DCV | 10kA | 2kA | >24 | 10nS |
| TLP-SL12-12D | 12V | DCV | 10kA | 2kA | >24 | 10nS |
| TLP-SL12-15D | 15V | DCV | 10kA | 2kA | >24 | 10nS |
| TLP-SL12-18D | 18V | DCV | 10kA | 2kA | >24 | 10nS |
| TLP-SL12-24D | 24V | DCV | 10kA | 2kA | >24 | 10nS |
| TLP-SL12-48D | 48V | DCV | 10kA | 2kA | >24 | 10nS |

Other Voltages available - also in ACV please contact factory

TABLE No 2



CONNECTION SCHEDULE

