

MODEL:- TLP-SPV50-1500-V-CD-S

Transtech Lightning Protector for Solar Panels.

GENERAL DESCRIPTION

The TLP-SPV50-1500-V-CD-S is a “high power DC Voltage” lightning and transient protector which provides protection for electrical / electronic equipment connected to DC distribution systems, such as Solar Panels. The TLP-SPV50-1500-V-CD-S is a parallel device with a surge rating to 50kA and should be installed as close as possible to the supply being protected.

For mains supply of greater than 100A adequate HRC fuse or MCB protection must be installed prior to the TLP-P1500-x-xx-x 1500Vdc.



FEATURES

- ◆ Designed and manufactured to ISO 9001
- ◆ Maintenance free
- ◆ Local status indication by RED flag for fault
- ◆ Remote status indication for fault (relay output)
- ◆ Long lifetime, high capacity circuit boards.
- ◆ CE Marking / C-tick N 2909
- ◆ Full 3 mode protection

- ◆ **NOTE: This device must be installed by a Qualified Electrician.**

TECHNICAL DATA

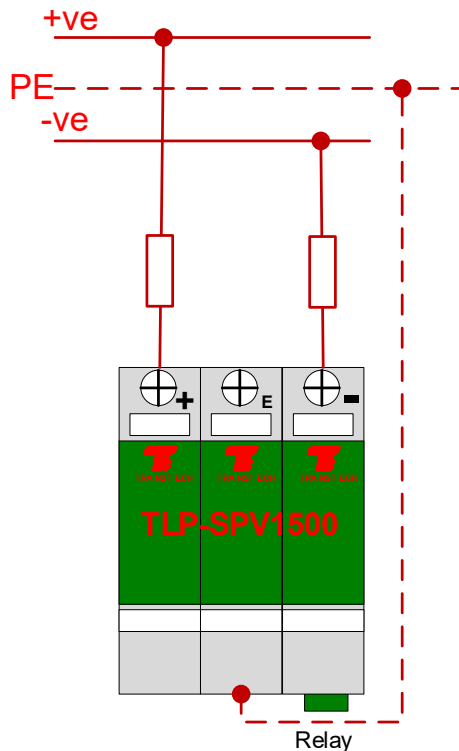
Normal Working voltage	1500VDC
Maximum Working voltage	1500VDC
Working Freq.	DC
Peak let thru volts	Less than 4.0 kV
Maximum mains current	Unlimited (parallel connected) Must be fuse protected over 100A Mains
Imax	50kA (8/20uS)
In (15 x 8/20uSec)	20kA (8/20uS)
Response time	Less than 25nS
Relay Contacts	SPCO (2 amp @240Vac)
Surge Reset	Automatic

SPECIAL FEATURES

Relay Output	Fault (relay de-energizes) SPCO (2 amp @240Vac)
Mechanical Flag	GREEN = OK, RED = Change

GENERAL SPECIFICATION

Operating Temp	-40 to +70 Deg C
Terminals	16mm ² solid max / 10mm ² flex max
Remote Terminals	Plug in 2.5mm ²
Indicators	Red / Green Flags
Housing Material	Polycarbonate black
Dimensions	54(W) x 100(H) x 66(D)
Weight	700 grams
Mounting	DIN 43880 Standard DIN Rail



CONNECTION 1500Vdc DIAGRAM

