

**MODEL:- TLP-150-3M/CATB**  
**Transtech Lightning Protector Three Phase, 3 Mode with Dual Colour LED's and Relay & MB - CAT B or less**



### GENERAL DESCRIPTION

The TLP-150-3M/CAT B is a lightning and transient protector which provides protection for electrical / electronic equipment connected to three phase distribution systems. The mains borne transient voltages may occur as a result of lightning strikes or the switching of large inductive / capacitive loads.

The TLP-150-3M/CAT B is a parallel device for Cat B applications and should be installed as close as possible to the supply being protected. It is recommended that connecting cables be kept as short as possible, nominally less than 300mm.

The TLP-150-3M/CAT B is a true 3 mode protection device with an I<sub>max</sub> rating of 150kA for Category B applications such as sub-distribution boards.

**For mains supply of greater than 100A adequate HRC fuse or MCB protection must be installed prior to the TLP-xxx-3P**

### FEATURES

- ◆ Compact design – space saving
- ◆ Low “let thru” voltage
- ◆ Designed and manufactured to ISO 9001
- ◆ Internally protected – automatic reset
- ◆ Local status indication by dual colour LED's
- ◆ Remote status indication relay
- ◆ **BMS monitoring via Modbus Module option**
- ◆ High Energy designed pcb's
- ◆ CE Marking / C-tick N 2909
- ◆ Full 3 mode protection
- ◆ DIN 43880 compliant
- ◆ Designed to pass IEC 61643-1:2005 and AS/NZS 1768:2003

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

### TECHNICAL DATA

Normal Working voltage	Phase to Phase 415V
Maximum working voltage	476VAC rms (phase to phase)
Working Freq.	40 - 60Hz
Peak let thru volts	Less than 700V
Maximum mains current	Unlimited (parallel connected)
	Must be fuse protected over 100A Mains
	150kA
I <sub>max</sub>	Less than 25ns
Response time	SPCO (1 amp @240Vac), drops out on fault
Alarm Relay Contacts	2 = Com / 1 = NO / 3 = NC (no power on)
	Automatic
Surge Reset	
<b>SPECIAL FEATURES</b>	
Modbus Output (Optional extra)	Can be equipped with Modbus output
LED's (3)	L1, L2, L3, <b>RED</b> = healthy / <b>AMBER</b> = replace)
Indications for faults	Dual colour LED's and Alarm Relay

### GENERAL SPECIFICATION

Operating Temp	-40 to +70 Deg C
Terminals	16mm <sup>2</sup> solid max / 10mm <sup>2</sup> flex max
Remote Terminals	Plug in 2.5mm <sup>2</sup>
Indicators	Dual Colour LED's
Housing Material	Mild Steel (Powder coated)
Dimensions	85 (W) x 110 (D) x 73 (H)
Weight	850 grams
Mounting	DIN 43880 Standard DIN Rail

