

DATA SHEET – Power Protection – Surge Protectors

Subject to change without notice

MODEL:- TLP-150-3M/CATB

Transtech Lightning Protector Three Phase, 3 Mode with Dual Colour LED's and Relay & MB - CAT B or less



FEATURES

SUPPLY

L1 12

L3 Ν Е

- 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.

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CONNECTION (CABLES 16sg/mm AS SHORT AS POSSIBLE)



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 Imax 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

TECHNICAL DATA

Normal Working voltage Maximum working voltage Working Freq. Peak let thru volts Maximum mains current

Imax Response time Alarm Relay Contacts

Surge Reset

SPECIAL FEATURES

Modbus Output (Optional extra) LED's (3)

Indications for faults

Phase to Phase 415V 476VAC rms (phase to phase) 40 - 60Hz Less than 700V Unlimited (parallel connected) Must be fuse protected over 100A Mains 150kA Less than 25nS SPCO (1 amp @240Vac), drops out on fault 2 = Com / 1 = NO / 3 = NC (no power on) Automatic

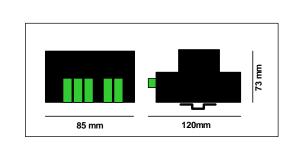
Can be equipped with Modbus output L1, L2, L3, RED = healthy / AMBER = replace)

Dual colour LED's and Alarm Relay

GENERAL SPECIFICATION

Operating Temp Terminals Remote Terminals Indicators Housing Material Dimensions Weight Mounting

-40 to +70 Deg C 16mm² solid max / 10mm² flex max Plug in 2.5mm² Dual Colour LED's Mild Steel (Powder coated) 85 (w) x 110 (D) x 73 (н) 850 grams DIN 43880 Standard DIN Rail



DESIGNED & MANUFACTURED by: Transtech Electronic Controls Pty Ltd Perth W.A. ABN: 21 070 629 499 Design changes may occur in the interests of product performance & development

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