

MODEL:- TLP-CPxxx3P-DRI

Transtech Lightning Protector Three Phase, 3 Mode with Dual Colour LED's and Remote Indicator – Class I / CAT C or less



GENERAL DESCRIPTION

The TLP-CPxxx-3P-DRI is a “compact design new series” lightning and transient protector which provides protection for electrical / electronic equipment connected to three phase distribution systems.

The TLP-CPxxx-3P-DRI is a true 3 mode parallel connected protection device offering 3 levels of kA rating in all 3 modes and offers Dual Colour LEDs and a Remote Indicator output to drive a panel mounted remote monitor module.

A special feature is that the CP series can be ordered with a Modbus output which replaces the relay output.

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 or Modbus Output
- ◆ Remote Indicator output
- ◆ 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
- ◆ Compliant with IEC 62305-4:2010

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

TECHNICAL DATA

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

Imax
Iimp
Response time
Alarm Relay Contacts

Surge Reset

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

SPECIAL FEATURES

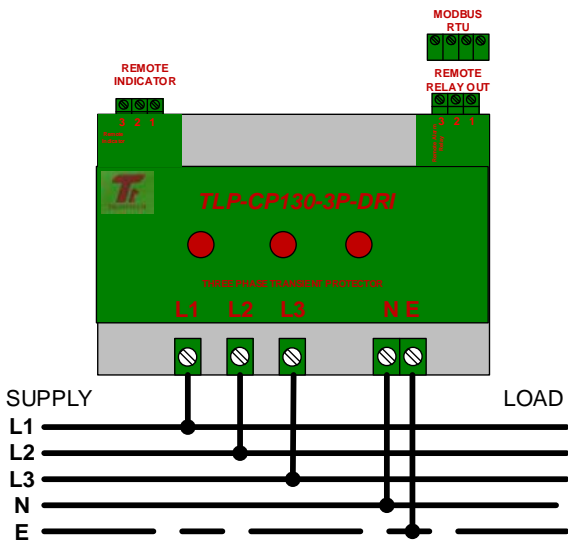
LED's (3)
Indication for faults
OPTION
Modbus Output

L1, L2, L3, **RED** = healthy / **AMBER** = replace)
Dual colour LED's and Alarm Relay

Replaces the Relay output

GENERAL SPECIFICATION

Operating Temp -40 to +70 Deg C
Terminals 16mm² solid max / 10mm² flex max
Remote Terminals Plug in 2.5mm²
Indicators Dual Colour LED's
Housing Material Mild Steel (Powder coated)
Dimensions 100 (W) x 110 (D) x 75 (H)
Weight 850 grams
Mounting DIN 43880 Standard DIN Rail



CONNECTION

(CABLES 16sq/mm AS SHORT AS POSSIBLE)

Model	Working Voltage Phase-Phase	Frequency	Imax 1 Pulse	Iimp 10/350us	In 15x8/20us	Let Thru V @3kA	Response Time
TLP-CP80-3P-DRI	415V	40-60HZ	80kA	5kA	32kA	> 810	25nS
TLP-CP130-3P-DRI	415V	40-60HZ	130kA	8.5kA	52kA	> 810	25nS
TLP-CP50-3P-MB	415V	40-60HZ	50kA	3kA	20kA	>810	25nS
TLP-CP80-3P-MB	415V	40-60HZ	80kA	5kA	32kA	>810	25nS
TLP-CP130-3P-MB	415V	40-60HZ	130kA	8.5kA	52kA	>810	25nS

TABLE No 2

