

BOARD BUILDER RANGE...



TRANSTECH is a leading designer and manufacturer offering a full range of Electronic Surge Protection—from Main Board to Sub-Board to final Sub-Circuits, we cover all.

HIGH SPEC — MAIN SWITCHBOARD

Features:

Robust DIN Profile design

LED's and Relay out (can be fitted with Modbus output)

120kA, 160kA, 200kA and 240kA fault rating

Competitive pricing

Large terminals to 16mm²

LED plus relay output.

Model Price

TLP-P120-3P-DRI
TLP-P160-3P-DRI
TLP-P200-3P-DRI
TLP-P240-3P-DRI



MID SPEC—MAIN & SUB-BOARDS

Features:

Robust DIN Profile design

LED's and Relay out (can be fitted with Modbus output)

50kA, 80kA, 130kA fault rating

Competitive pricing

Large terminals to 16mm²

LED plus relay output.

Model Price

TLP-CP50-3P-DRI
TLP-CP80-3P-DRI
TLP-CP130-3P-DRI



HYBRID—MAINS & SUB-BOARDS

Features:

Compact design—DIN profile

Hybrid technology with 40kA, 65kA, 80kA, 130kA fault rating

Hybrid technology extra high fault 150kA & 200kA rating

Competitive pricing

Large terminals to 16mm²

LED plus relay output.

Model Price

TLP-CPH40-3P-415-R
TLP-CPH65-3P-415-R
TLP-CPH80-3P-415-R
TLP-CPH130-3P-415-R
TLP-CPHH150-3P-415-R
TLP-CPHH200-3P-415-R



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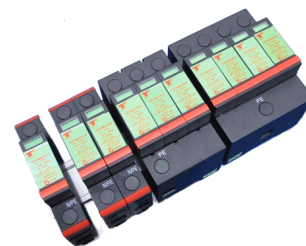


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LOW COST—PLUG-IN

Features:

- Plug-in design—DIN profile
- 60kA and 100kA fault rating
- Competitive pricing
- Good local stocks
- IEC compliant and Indicators with relay out.



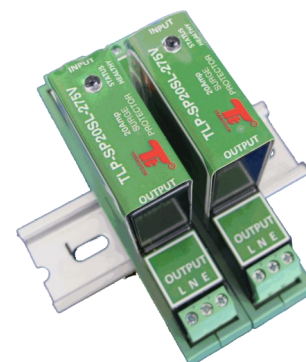
Model	Price
TLP-V60/275-S-1P	
TLP-DT60/275-3V-S	
TLP-DT60/275-4V-S	
TLP-DT100P/275-3V-S	
TLP-DT100P/275-4V-S	

SERIES or PARALLEL PROTECTION

Features:

- Robust DIN Profile design and only 25mm wide
- Competitive pricing
- Large terminals to 16mm²
- Healthy LED indication.

Model	Price
TLP-SP20SL-120V	
TLP-SP20SL-275V	



SERIES SURGE FILTERS / SUB-BOARD

Features:

- Compact design—DIN profile (20Amp 25mm wide)
- Third Party tested/passed to IEC
- Competitive pricing
- Large terminals to 16mm²
- Healthy LED indication



Model	Price
TLP-SF20SL-120V or 240V	
TLP-SF40-1P-240V	
TLP-SF63-1P-240V	
TLP-SF32-3P-80-DRI	
TLP-SF40-3P-120-DRI	

- Free application advice
- Low “let-thru” voltages
- Protection between all 3 phases & Earth
- Fast snap-on DIN rail clips
- Good local stocks and kA capacity ranges.
- Location Category suitable for Cat C, B and A to AS1768
- IEC compliant and Indicators with relay out.



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COMBO SOLUTIONS—SURGE + FUSES

TLP 40kA & 65kA SOLUTIONS WITH

Features:

Robust DIN Profile design

LED's and Relay out (can be fitted with Modbus output)

65kA fault rating + matching 3Ph fuses.

Competitive pricing

Large terminals to 16mm²

Model

TLP-CPH40-3P-R + 32Amp 3Ph Fuses
TLP-CPH65-3P-R + 32Amp 3Ph Fuses



TLP 80kA & 130kA SOLUTIONS WITH

Features:

Robust DIN Profile design

LED's and Relay out (can be fitted with Modbus output)

80kA & 130kA fault rating + matching 3Ph fuses

Competitive pricing

Model

TLP-CPH80-3P-R + 50Amp 3Ph Fuses
TLP-CPH130-3P-R + 50Amp 3Ph Fuses
TLP-CPHH150-3P-R + 50Amp 3Ph Fuses
TLP-CPHH200-3P-R + 50Amp 3Ph Fuses



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AS/NZS1768:2007 states that Surge/SPD's mains protectors should have protective fuses or an MCB preceding them (in addition to internal fusing). A set of protective fuses or MCB should be installed to isolate/protect the SPD (see table at the foot of this page for ratings).

The fuse(s) or MCB offer an isolation feature to allow the TLP to be removed from service and replaced if need be.

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Fig 1. Single Phase Connections

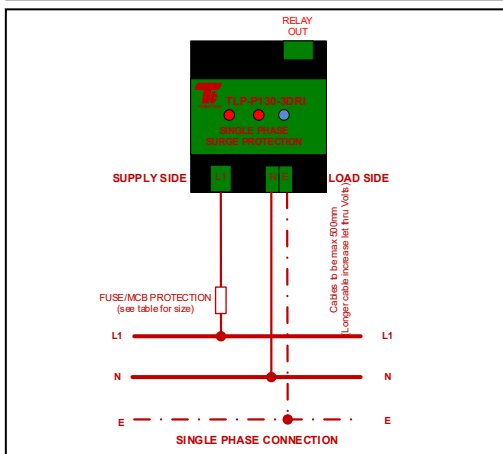


Fig 2. Three Phase Connections

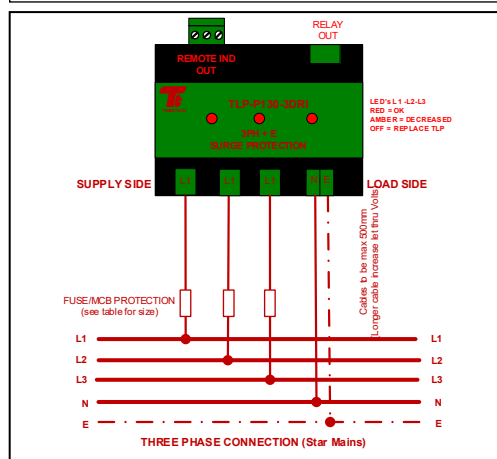
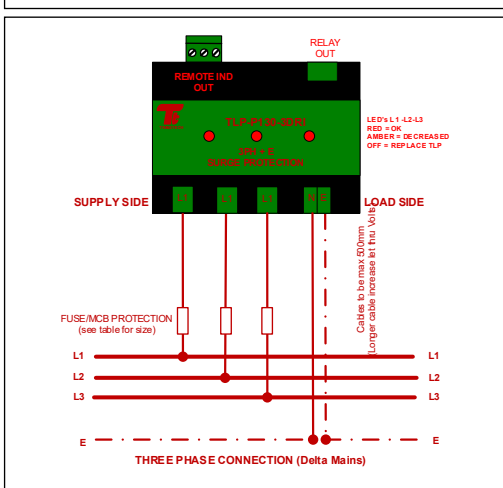


Fig 3. Three Phase Delta Connection



INSTALLATION NOTES

- Cables connecting the TLP series should be as short as possible (less than 500mm is ideal), they should be straight and not have loops or curls and be bound tightly together.
- Cables should be a large as possible with a maximum of 16mm²
- A set of protective fuses or MCB should be installed to isolate/protect the TLP.

PROTECTION TABLE FOR SURGE PROTECTORS:

All TransTech TLP surge protectors have internal fuse protection offering up to 100Amp fault current capacity. AS/NZS 1768:2007 Clause 5.6.3.6 e)

Fusing & wiring states that there must be fuse protection prior to the SPD. Recommendation of the ratings are found as per the list below.

TLP MODEL	SURGE RATING	PROTECTION	AMPS	COMMENT
TLP-SF20SL-240V	25kA	HRC or RCD	25	Single phase series filter for sub-circuits
TLP-CP50-3P	50 kA or less	HRC	30	Fuse available will allow transient clamp
TLP-CP80-3P	80 kA rated	HRC	50	Fuse available will allow transient clamp
TLP-CP130-3P	130 kA rated	HRC or MCB	50	MCB or Fuse will allow transient clamping
TLP-P160-3P	160 kA rated	HRC or MCB	50	MCB or Fuse will allow transient clamping



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