

This document must be retained for future reference.

It is the responsibility of the person installing the electrical equipment to ensure that the installation meets the requirements of the IET wiring regulations and is therefore 'fit for purpose'. Factors such as correct selection of components, cable sizing, protective devices and Earth bonding are all critical and should be checked prior to full testing and power-up. Any other regulations applicable to the equipment being installed such as the Machinery Directive and current health and safety legislation must also be adhered to.

All connections (including factory made) must be checked for the correct tightness prior to commissioning of the electrical installation. All connections should also be inspected periodically to ensure correct tightness.

DO NOT USE POWER TOOLS ON THESE PRODUCTS



TPN 3 Phase 125A Distribution Board



Important Information

This unit must be installed by a qualified competent person in compliance with current requirements for Electrical Installations (IEE Wiring regulations Eighteenth Edition: BS7671).

- ! Ensure that all power supplying this equipment is switched OFF before working on or inside the unit.
- ! Confirm the power is off with an appropriately rated volt-sensing device.
- ! Make sure all devices, covers and doors are replaced and secured before switching the power supply back on to the unit.
- ! Remove the gland plates prior to slotting or cutting for cable entries to avoid ingress of swarf & other debris.

! The user guide must be available for future reference after installation and testing.

! The total current supplied into the unit must not exceed the rating of the incoming main switch or RCCBs or any additional limitation.

! The total sum of the individual MCBs ratings may exceed this value when there is appropriate diversity in the installation.

! This unit is only suitable for indoor use.

This unit and internal components have been tested to the following standards: **CE**

Distribution Board:EN IEC 61439-1 / EN61439-3

MCBs:EN60898

RCCBs:EN61008-1

RCBO:EN61009-1

Main Switch:EN60947-3

Adjacent thermal-magnetic MCBs should not be continuously used at their nominal rated currents when mounted in an enclosure. A derating factor of 60% is advised for the MCBs nominal rated current when a continued load is applied.

Before fitting the front cover ensure that all connections (including factory connections) are tight - **DO NOT USE POWER TOOLS TO TIGHTEN CONNECTIONS!**

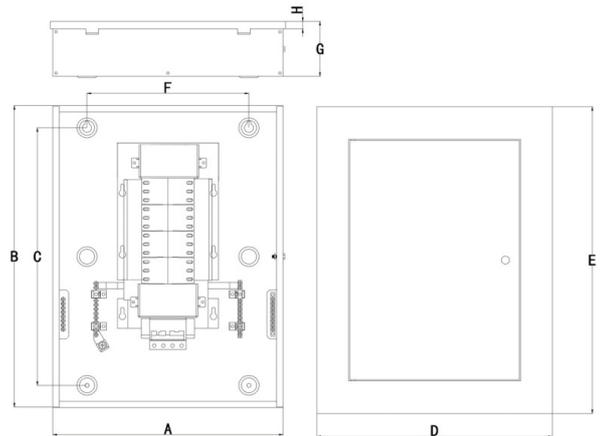
Testing the Installation:

Once the installation has been completed it is essential to test the unit in accordance with the latest edition of the BS7671 IEE 18th Edition Wiring regulations.

Failure to follow these instructions could result in serious injury or death

TPN 3 Phase Board Dimensions

| Part Number | No. of Ways | A | B | C | D | E | F | G | H |
|-------------|-------------|-----|-----|-----|-----|-----|-----|-----|----|
| TPN04 | 4 | 455 | 492 | 392 | 465 | 507 | 320 | 130 | 15 |
| TPN06 | 6 | 455 | 546 | 446 | 465 | 561 | 320 | 130 | 15 |
| TPN08 | 8 | 455 | 600 | 500 | 465 | 615 | 320 | 130 | 15 |
| TPN10 | 10 | 455 | 654 | 554 | 465 | 669 | 320 | 130 | 15 |
| TPN12 | 12 | 455 | 708 | 608 | 465 | 723 | 320 | 130 | 15 |
| TPN14 | 14 | 455 | 762 | 662 | 465 | 777 | 320 | 130 | 15 |
| TPN16 | 16 | 455 | 816 | 716 | 465 | 831 | 320 | 130 | 15 |
| TPN18 | 18 | 455 | 870 | 770 | 465 | 885 | 320 | 130 | 15 |

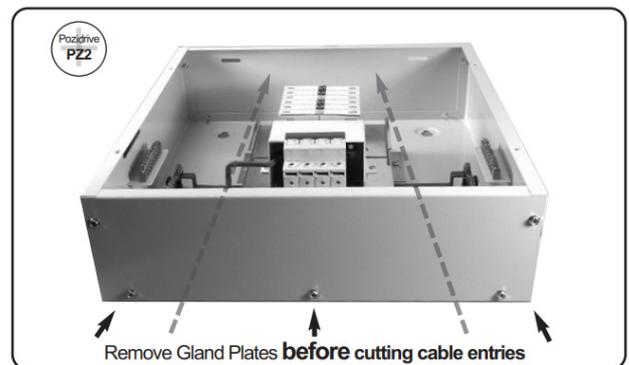
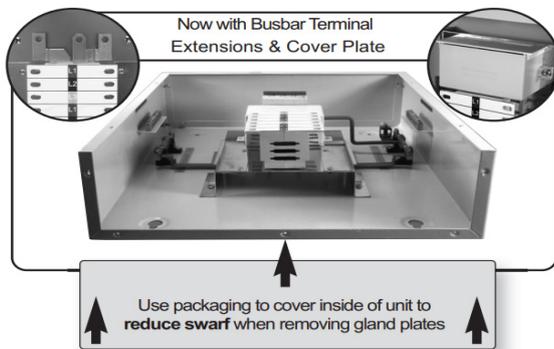


Quality Components at Competitive Prices

- Pre-fitted with 125A 4 Pole Isolator
- Provision for **Direct Connected Neutral Input** using the Cage Terminal Directly Connected to the Neutral Bar
- Two Top Clips **Hold Lid in Position**
- Front Panel **Pozidrive PZ2** x 4
- **Lockable** Door Handle with Key
- Front Panel **Easy Release Mechanism**
- **Blank Panels** for Easy Identification



Lockable Door Handle with Key

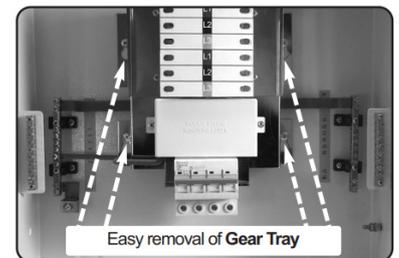


Installation of MCBs

Ensure power supply is switched off.
Ensure MCB is switched off.
Fully loosen all MCB terminal screws.
Push MCB onto appropriate busbar outgoing way with busbar connection going into top cage as indicated on busbar way label, making sure the din clip is closed and faces towards the busbar assembly.
Fully tighten busbar connections to 1.7Nm (15lbf-in).
Fit busbar insulators (ECUBPD) to all unused outgoing ways.
DO NOT USE POWER TOOL SCREWDRIVERS ON ELECTRICAL CONNECTIONS!

Installation of RCBOs (single pole)

Ensure power supply is switched off.
Fully loosen all RCBO busbar terminal screws.
Push RCBO onto appropriate busbar outgoing way, as indicated on busbar way label, making sure the DIN clip is closed and faces towards the busbar assembly.
Fully tighten the busbar connection to 1.7Nm (15lbf-in).
Connect both live and neutral outgoing cable to RCBO outgoing terminals.
Connect neutral lead to appropriate numbered terminal on the neutral terminal bar.
Connect white functional earth lead to appropriate numbered terminal on earth terminal bar.
Fit busbar insulators (ECUBPD) to all unused outgoing ways.
DO NOT USE POWER TOOL SCREWDRIVERS ON ELECTRICAL CONNECTIONS!



Please Note:

Before fitting the front cover, check the tightness of all connections, including factory made connections and ensure that blanks are fitted to all unused MCB ways