Europa components

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 Seventeenth 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: **EN60439-3**
- ✔ 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.

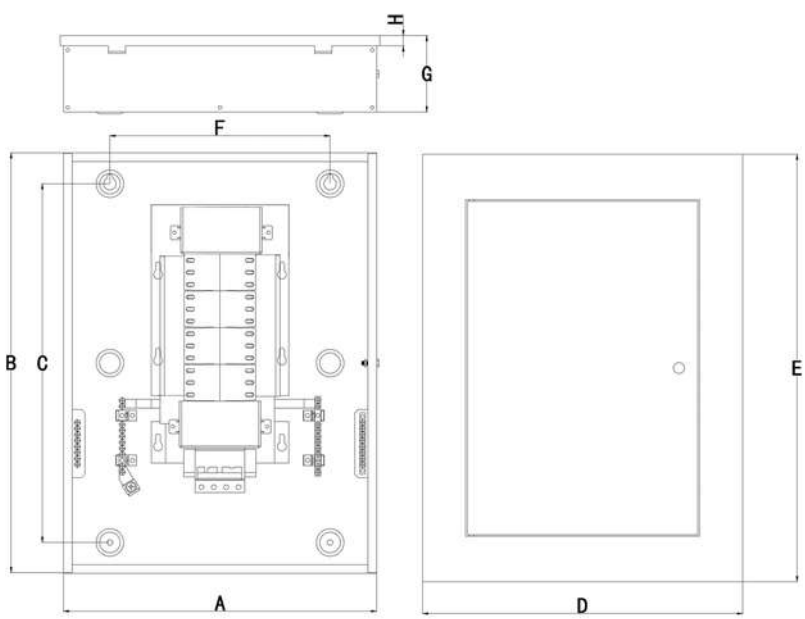
Before fitting the front cover ensure that all connections (including factory connections) are tight - **DO NOT USE POWER TOOLS TO TIGHTEN CONNECTIONS!**

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 17th Edition Wiring regulations.

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

TPN 3 Phase Board **Dimensions**

	A	B	C	D	E	F	G	H
12	455	492	392	465	507	320	130	15
18	455	546	446	465	561	320	130	15
24	455	600	500	465	615	320	130	15
30	455	654	554	465	669	320	130	15
36	455	708	608	465	723	320	130	15
42	455	762	662	465	777	320	130	15
48	455	816	716	465	831	320	130	15
54	455	870	770	465	885	320	130	15



For More **Information**
sales@europacomponents.com

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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

Pozidrive PZ2



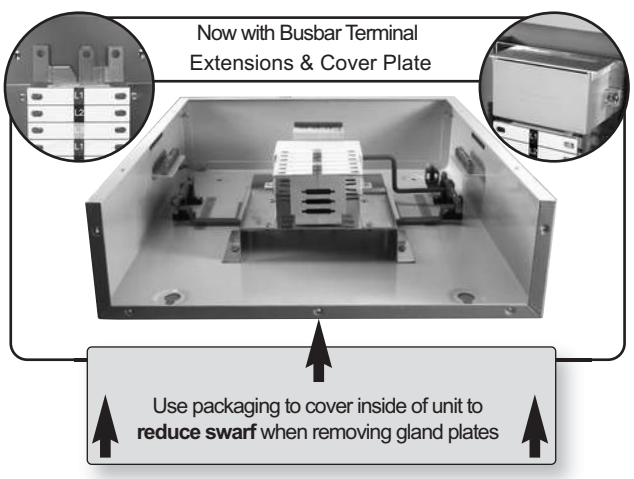


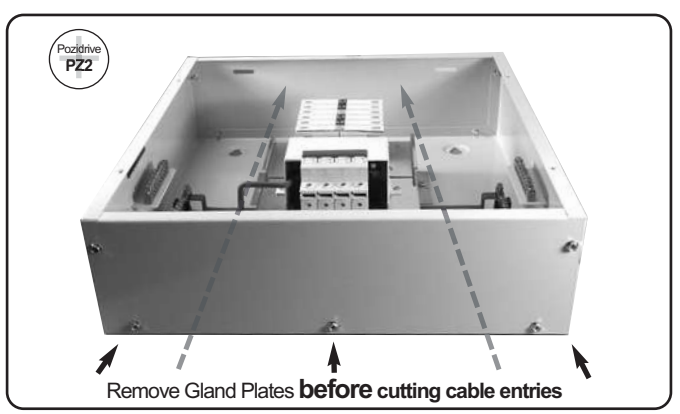
Lockable Door Handle with Key



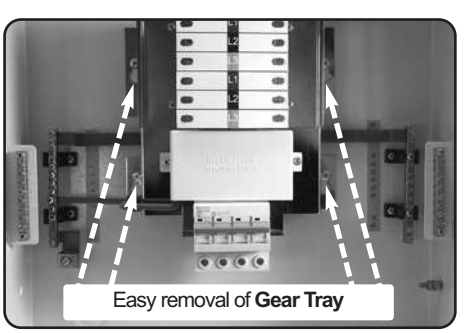








Installation of MCBs
Ensure power supply is switched off.
Ensure MCB is switched off.
Fully loosen all MCB terminal screws.
Push MCB onto appropriate busbar outgoing way with busbar connection going into top cage as indicated on busbar way label, making sure the din clip is closed and faces towards the 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.

For More **Information**
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