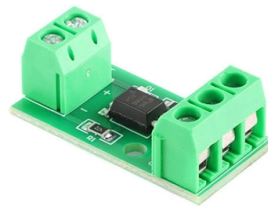


Last step and switching of the distribution box



Article Overview

The final step in a distribution box involves sequentially connecting Earth, Neutral, and Line terminals, securing all connections, performing safety inspections, and then switching on the main supply.

Final Connection Sequence

- **Earth Connection First:** Always connect the Earth terminal first to ensure safety. In high-current distribution boxes, the Earth connection is made first and disconnected last (FMLB – First Mate Last Break) to prevent electric shock ().
- **Neutral Connection:** After the Earth, connect the Neutral terminal. Some systems allow skipping this step if a 4-port box is used, but generally, the Neutral is connected after Earth to maintain proper grounding ().
- **Line Connections:** Connect the Line terminals (L1, L2, L3) sequentially. Align the connectors properly, push them fully into the box, and turn clockwise to lock them in place. This ensures a secure and error-free connection ().

Securing and Locking

- Use the provided key locks to secure each Line connector. This prevents accidental disconnection under load and ensures the integral micro switch is activated for signaling to protective devices ().
- Ensure all wires inside the box are neatly bound with plastic ties, with uniform spacing to avoid stress or short circuits ().

Safety Inspection

Article Content

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