

What are the dimensions of a 48-position electrical distribution box



Article Overview

A typical 48-position electrical distribution box measures approximately 1200 mm (height) × 600 mm (width) × 200-250 mm (depth), depending on manufacturer and configuration.

Standard Dimensions and Layout

For a 48-position (or 48-circuit) distribution board, the dimensions are generally designed to accommodate four rows of 12 modular breakers or equivalent configurations. Typical measurements include:

- Height: ~1200 mm (to fit multiple rows of breakers and allow wiring space)
- Width: ~600 mm (sufficient for side-by-side mounting of breakers and busbars)
- Depth: 200-250 mm (to provide adequate space for wiring, busbars, and cable entry/exit)

These dimensions may vary slightly depending on the manufacturer, type of breakers (MCB, MCCB, RCCB), and whether the board includes incoming kits, gland plates, or extension modules .

Installation Considerations

- Mounting: Most 48-position boards are wall-mounted with four studs and adjustable nuts for secure installation and easy removal of the pan assembly

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