

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

Article Content

Distribution Box and Selection Guide: Internal Structure, Components ...

Learn how to choose a distribution box and understand its internal structure, including MCBs, busbars, neutral bars,

FDB-48 Fiber Distribution Box, 48 ports-AOA Tech

Overview FDB-48 Series 48 ports Fiber Distribution Box, also called Splitter Distribution Box or Fiber Terminal Box, can be used in

CATALOGUE General purpose enclosures Heavy duty and industrial

Polycarbonate boxes are available with a smooth surface (one single entry) or with multiple metric cutouts. xes are available with a

Major types of electical boxes Technical specifications

Technical specifications There are 10 major types of electrical boxes used in Canada. All these types of boxes serve specific

12 Types of Electrical Boxes and How to Choose

Learn about the many common types of wall and ceiling electrical boxes for switches, outlets, light fixtures, ceiling

How to choose a distribution box of the right size for a project based ...

If you're like most electrical professionals, picking the right distribution box for your project can feel like navigating a

Use Walton DB box of correct size and thickness | Walton Blog

Use Walton DB box of correct size and thickness The distribution box is the load center and electrical power distributor. A distribution

Electrical Box Types & Sizes for Receptacles

types of electrical receptcles (wall outlets or wall plugs): how to choose the right type of electrical receptacle when adding or

Standard Electrical Enclosure Sizes: Chart, Dimensions

Electrical enclosure sizes are not universal, but most manufacturers follow common size

How to Install a Distribution Box—A Comprehensive Instruction

Whether you are an electrical contractor or a construction brigade, knowing how to properly and safely install

Electrical DB Box Size Guide 2026

Find the right electrical DB box size for your home or project. Learn standard dimensions,

Distribution boards components

Distribution boards (generally only one in residential premises) usually include the meter (s) and in some cases

How to determine the size of distribution box

The size of the distribution box is reserved When the electric box is only a lighting electric

SELECT YOUR DISTRIBUTIONSYSTEM

Distribution is an essential function for the electrical panels, as well as for control and circuit protection. As well as purely technical

The installation requirements for the distribution box

A distribution box is the heart of any electrical system. It takes the incoming power and

DBV348MS

Experience streamlined power management with the DBSet 48 module VTPN distribution board designed

Customization of a complete distribution box

The general process of customizing a complete set of distribution boxes:
Requirement

How to Install a Cable Distribution Box Safely and Correctly?

In modern electrical systems, cable distribution boxes (also known as electrical distribution boxes or distribution

Amazon : Power Distribution Box

Browse power distribution boxes with circuit breaker protection and multiple outlet configurations. Shop durable solutions for

Electrical Boxes

Electrical Box or Gang Box Sizes & Dimensions Gang boxes come in a variety of sizes, depending upon the number of wiring

A9H348MNS100FDS

The dimensions are (W) 440mm x (H) 1038.3mm x (D) 139mm. The color of the consumer unit is white (RAL9003).The enclosure

Final_product_book_12_curve

GSDB-3126 270x225x135 Electrical and Hydraulic Instruments, Cutouts, Controls and Switchgear 3.

Electrical Distribution Box: Complete Panel Types

Learn what an electrical distribution box is in simple terms. Complete guide to panel types,

Electrical Box Dimensions: Find the Right Size for Any

This guide explains standard electrical box dimensions by type, compares common sizes,

PRL3E PB panelboard design guide

Panelboards Overview Choices to quickly change feeder breakers in electrical distribution equipment have evolved over the years.

National Electrical Code (NEC) Requirements for Panelboards

The National Electrical Code (NEC) provides comprehensive safety standards for electrical installations, including requirements for

Electrical Box Dimensions Manufacture

Electrical Box Dimensions Contact us today for quotes, OEM service, or technical support. We respond quickly and

Distribution box catalogue | PDF

This document provides specifications for various distribution boxes including dimensions, mounting sizes, and number of ways. It

Size determination, installation method and wiring mode of distribution ...

The distribution box is the central hub of the home circuit and the general control of our daily power consumption. It is an

Complete Guide For Distribution Boxes Types

Distribution boxes, also known as electrical distribution boards or panels, are pivotal components in electrical systems, ensuring the

Verteilergehäuse, Optical Distribution ODB-48 Box, ODB-4

outdoor enclosure designed for FTTH PON and P2P networks. It can accommodate up to 96 fusion splices, plus 24 SC simplex or

Distribution Box

Plastic Electrical Box, also known as a consumer control unit or electricity control unit. It is a device that is a type of distribution board

Lockable Indoor/Outdoor Wall Box 48 Ports SC

NEXCONEC ® Lockable IP65 & UV Resistant distribution box is supplied unloaded as standard and offers the ability to terminate 48

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