

Dimensions and Specifications of a 3-Channel Home Distribution Box



Article Overview

A 3-channel (3-gang) home distribution box typically accommodates three electrical devices, with dimensions and depth designed to fit standard switches or outlets while allowing proper wiring and ventilation.

Key Specifications

Capacity: A 3-gang box is designed to house up to three separate electrical devices, such as switches, outlets, or dimmers, in a single enclosure, providing a centralized and organized solution for residential wiring ().

- **Width:** Calculated by summing the widths of the three devices plus an additional 20–40 mm on each side for clearance and wiring space ().
- **Height:** Typically the height of the devices plus 40 mm to allow for proper installation and cover fitting ().
- **Depth:** The maximum depth of the devices plus 10 mm to ensure sufficient space for wiring and insulation ().
- **Standard 3-gang boxes** often measure approximately 120–150 mm wide, 80–100 mm high, and 50–60 mm deep, depending on the manufacturer and device type ().

Material:

- **Plastic (PVC/ABS):** Lightweight, corrosion-resistant, and suitable for most residential applications.
- **Metal (Steel/Aluminum):** Offers enhanced durability, grounding, and heat resistance, preferred in areas with higher impact or temperature exposure ().

Article Content

TECHNICAL SPECIFICATION I.R.O. 63,100,160 & 315 KVA

1. SCOPE: This Specification covers the design, manufacture, testing at works and supply of Distribution Boxes made out of CRCA

MCB Box Size List 2026: Standard Dimensions & Trends

It categorizes enclosures based on their application—ranging from small residential units to large industrial distribution

Distribution Boxes Technical Data

DC Micro Style Distribution Boxes Four-pin, One Signal per Port Cable Connector
Distribution Box Eight-port DC Micro Distribution

Overview of household distribution box

According to the expected specifications, the power load of 100m² has reached 9kw.
Due to the addition of power

Electrical Box Dimensions Manufacture

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

What Is a Distribution Box?

Distribution boxes are commonly used in residential and commercial electrical systems. Also known as a distribution

Distribution Box

Distribution Box Product Description: Place of Origin: Guangdong, China Model No: DX16-A113 Size: 13 ways, 1 row Specification:

Specifications and parameters of household distribution boxes

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

Distribution Box – Astryd Power Pvt. Ltd.

This specification covers the design, manufacture, testing at works, and supply of Distribution Boxes made

Electrical Control Panels & Distribution Boxes: Sizes, Types, and ...

This guide explores control panels, electrical boxes, breaker panels, bus bars, junction boxes, and custom enclosures

Distribution box catalogue | PDF

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

Distribution Box

Distribution Box Space and cost saving solution Amphenol LTW's distribution boxes facilitate efficient cable management, easy

Distribution Boards & Consumer Units

Distribution boards, together with modular ABB system pro M Compact protection devices and Modular Din Rail Components, can be

Distribution Board for Home & Commercial Space | GM Modular

Power Distribution Board- GM Modular A distribution board is also known as db board or main distribution board is part of an

Guide to Distribution Panel Boards: Components, Types & Sizes

Learn about the different types, sizes, and components of distribution panel boards that ensure efficient and safe power distribution in

The Ultimate Guide to Distribution Box Types

Discover the key types of distribution boxes with NUOMAK's comprehensive guide. Learn about Main Distribution Boards (MDB),

Final Power Distribution Boxes | Product Catalog | CHINT Global

Compact final distribution boxes for safe, accessible, and precise power control across all electrical environments.

Distribution boards components

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

Electrical Control Panels & Distribution Boxes: Sizes, Types, and ...

Explore standard panel sizes, applications, and key differences for residential, commercial, and industrial use.

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,

Complete Guide For Distribution Boxes Types

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

Standard Electrical Enclosure Sizes: Chart, Dimensions & Selection ...

Electrical enclosure sizes are not universal, but most manufacturers follow common size families. This guide explains

Electrical Distribution Box Design Guide

The document provides details for designing the electrical distribution box and circuits for a residence. It includes specifications for

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

SELECT YOUR DISTRIBUTION SYSTEM

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

DRAFT SPECIFICATION FOR L. T. DISTRIBUTION BOX OF

DRAFT SPECIFICATION FOR L. T. DISTRIBUTION BOX OF DISTRIBUTION TRANSFORMER (DTR) OF DIFFERENT RATINGS

TECHNICAL SPECIFICATION FOR LT DISTRIBUTION BOX

General Technical Particulars for LT Distribution Boxes : - The L.T. Distribution Boxes should be of the dimensions as per the

How to Choose a House Distribution Box | CHINT global

A well-chosen distribution box ensures the safety and efficiency of your household electrical system. This article guides

Contact Us

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