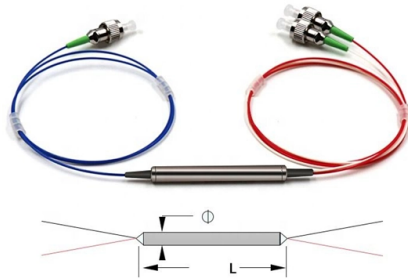


Dimensions and Specifications of 22-Circuit Distribution Box



Overview

Distribution Box and Selection Guide: Internal Structure, Components. Learn how to choose a distribution box and understand its internal structure, inclu.

Key Takeaways

A 22-circuit distribution box typically features a robust enclosure with IP40 protection, fire-resistant ABS material, and dimensions around 600–800 mm height, 400–500 mm width, and 150–200 mm depth, accommodating standard MCBs and busbars for safe electrical distribution. General Specifications

- Material: Fire-resistant ABS or similar durable plastic for safety and insulation .
- Protection Degree: Usually IP40, suitable for indoor installations .
- Rated Current: Maximum 125A, supporting standard residential and commercial circuits .
- Circuit Capacity: Designed to house 22 MCBs, with neutral and earth bars included for proper grounding .
- Busbar Design: Shrouded busbars to prevent hot spots and ensure safety; allows easy mounting of incoming devices like MCCB, RCD, or direct cable connections .
- Wiring Space: Generous internal space for neat wiring, with clear identification for each circuit to facilitate maintenance and troubleshooting .

Dimensions

While exact dimensions may vary by manufacturer, typical 22-circuit boxes follow these approximate measurements:

- Height: 600–800 mm
- Width: 400–500 mm
- Depth: 150–200 mm
- Adjustable Installation Depth: Some models allow up to 20 mm adjustment from the wall for easier installation .
- Mounting: Equipped with studs and adjustable nuts for secure and flexible mounting of the pan assembly .

Features

- Ease of Installation: Front cover screws are often hidden behind the door for safety; gland plates can be removed or changed easily .
- Safety: Independent neutral and earth bars, clear circuit labeling, and shrouded terminals reduce risk of electrical hazards .
- Flexibility: Compatible with modular MCBs, MCCBs, RCDs, and other protection devices; allows for factory-fitted or installer-fitted incoming kits .
- Aesthetics and Maintenance: Optimized size and cable management system provide a neat appearance and simplify wiring and maintenance .

Applications

- Residential, commercial, and light industrial installations.
 - Suitable for AC 50–60 Hz, below 500V circuits.
 - Provides overcurrent, overload, and short-circuit protection for multiple circuits .
- These specifications ensure that a 22-circuit distribution box is safe, flexible, and suitable for modern electrical installations, providing both protection and ease of maintenance.

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,

D6B Distribution Box | Jensen Infrastructure

Jensen wastewater distribution box is designed for septic drainfield distribution and provides balanced effluent flow to multiple lines.

Distribution Boxes Technical Data

High Quality MCB Distribution Box Size / 4/6/8/12/14/16/20/24 Ways, Find Details and Price about Distribution Box

DISTRIBUTION BOARDS CATALOG

Unique box wrapper profile developed using latest technologies and simulation software ensures the strongest resistance to high

Eaton Type CH 100 -Amp 22 -Spaces 44 -Circuit Indoor Main ...

Shop Eaton CH 100 -Amp 22 -Spaces 44 -Circuit Indoor Main Breaker Plug-On Neutral Load Center (Value

Distribution Boards

Easy Installation of outgoings The design of the pan assembly facilitates the installation of outgoing devices. Availability of mixing

Square D NQ Circuit Breaker Panelboards Catalog

This catalog provides information on standards, ratings, and features for NQ Circuit Breaker Panelboards.

POWER PRODUCT Panelboards

Specifications Main Breaker Main Lug and Branch Circuit Breakers Kits and Accessories Panel Options & Modifications Enclosure

What Is a Distribution Box? Types, Components & How

The box does more than organize wiring. Depending on its design, it may contain circuit

QO™ Load Centers

Schneider Electric USA. Square D™ QO Load Centers provide faster installation, reliability, and quality. Load center features include

Electrical Box Dimensions Manufacture

When you plan your next project, the right electrical box dimensions make all the difference. Large electrical power

Distribution Box Guide: Types, Components & Solutions

What is a distribution box? What are the components of the distribution box? What are the types of distribution

Distribution Boards

List Price R 107.00 EXCL. VAT SAVED: R 32.10 EXCL. VAT Net Price R 74.90 EXCL. VAT R 86.14 INCL. VAT

Distribution Box

32 amp Distribution Board includes cover, frame, base box, guide rail, neutral copper bar and earth copper

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

Get it right the first time with this comprehensive guide If you're like most electrical professionals, picking the right

The installation requirements for the distribution box

Learn how to install a distribution box safely and correctly. Covers wiring, placement, standards, and expert tips for a

Distribution box catalogue | PDF

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

Distribution Boards

Distribution Boards - 12 & 20 Way Drawing: DBBOX20SP 364.0 96.0 22.5 71.8 309.0
All dimensions in mm [inch] Tolerance ± 0.4

Distribution box | PDF

This document provides specifications for various types of plastic distribution boxes, including their

Panel Board and Enclosure | Schneider Electric Philippines

What are the sizes of panel boxes? Panel boxes, used in electrical systems, come in various sizes to accommodate different circuit

Koten Premium Panel Board Bolt On Type – Kaizen Philippines

Authorized Distributor of Koten Products Koten Premium Panel Board Box 2Pole Bolt On 2,4,6,8,10,12,14,16,18,20,22,24 Branches

Distribution board

A distribution board (also known as a panelboard, circuit breaker panel or box, electric panel, fuse box or

High Quality MCB Distribution Box Size / 4/6/8/12/14/16/20/24 Ways

High Quality MCB Distribution Box Size / 4/6/8/12/14/16/20/24 Ways, Find Details and Price about Distribution Box and Junction Box

Distribution Boards & Consumer Units

The wide range of distribution boards enables each customer to select an individual and economical configuration according to his

ABB Consumer Units & Distribution Boards | PDF

For distribution boards, it covers Mini Center, Protecta, and accessories. Dimensions, technical specifications, and type codes are

Square D NQ Circuit Breaker Panelboards Catalog

This catalog provides information on standards, ratings, and features for NQ Circuit Breaker Panelboards.

POWER PRODUCT Panelboards

Specifications Main Breaker Main Lug and Branch Circuit Breakers Kits and Accessories Panel Options & Modifications Enclosure

What Is a Distribution Box? Types, Components & How

The box does more than organize wiring. Depending on its design, it may contain circuit

QO™ Load Centers

Schneider Electric USA. Square D™ QO Load Centers provide faster installation, reliability, and quality. Load center features include

Electrical Box Dimensions Manufacture

When you plan your next project, the right electrical box dimensions make all the difference. Large electrical power

Distribution Box Guide: Types, Components & Solutions

What is a distribution box? What are the components of the distribution box? What are the types of distribution

DISTRIBUTION BOARDS CATALOG

Advancement in technology has resulted in smaller size, better performance and improved design. BAHRA Load Centers are used

Electrical Distribution Box Design Guide

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

Complete Guide For Distribution Boxes Types

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

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

Distribution Boards

List Price R 107.00 EXCL. VAT SAVED: R 32.10 EXCL. VAT Net Price R 74.90 EXCL. VAT R 86.14 INCL. VAT

Distribution Box

32 amp Distribution Board includes cover, frame, base box, guide rail, neutral copper bar and earth copper bar. It has surface

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

Get it right the first time with this comprehensive guide If you're like most electrical professionals, picking the right

The installation requirements for the distribution box

Learn how to install a distribution box safely and correctly. Covers wiring, placement, standards, and expert tips for a

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,

D6B Distribution Box | Jensen Infrastructure

Jensen wastewater distribution box is designed for septic drainfield distribution and provides balanced effluent flow to multiple lines.

Distribution Boxes Technical Data

High Quality MCB Distribution Box Size / 4/6/8/12/14/16/20/24 Ways, Find Details and Price about Distribution Box

DISTRIBUTION BOARDS CATALOG

Unique box wrapper profile developed using latest technologies and simulation software ensures the strongest resistance to high

Eaton Type CH 100 -Amp 22 -Spaces 44 -Circuit Indoor Main ...

Shop Eaton CH 100 -Amp 22 -Spaces 44 -Circuit Indoor Main Breaker Plug-On Neutral Load Center (Value

Distribution Boards

Easy Installation of outgoings The design of the pan assembly facilitates the installation of outgoing devices. Availability of mixing

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,

D6B Distribution Box | Jensen Infrastructure

Jensen wastewater distribution box is designed for septic drainfield distribution and provides balanced effluent flow to multiple lines.

Distribution Boxes Technical Data

High Quality MCB Distribution Box Size / 4/6/8/12/14/16/20/24 Ways, Find Details and Price about Distribution Box

DISTRIBUTION BOARDS CATALOG

Unique box wrapper profile developed using latest technologies and simulation software ensures the strongest resistance to high

Eaton Type CH 100 -Amp 22 -Spaces 44 -Circuit Indoor Main ...

Shop Eaton CH 100 -Amp 22 -Spaces 44 -Circuit Indoor Main Breaker Plug-On Neutral Load Center (Value

Distribution Boards

Easy Installation of outgoing The design of the pan assembly facilitates the installation of outgoing devices. Availability of mixing

Contact Us

Continue your research online:

Website: <https://alfa-pro.co.za>

Technical inquiry: <https://alfa-pro.co.za/contact.html>

This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

