

1P Distribution Box Dimensions



At Overview

A standard 1-pole (1P) distribution box typically measures around 80–100 mm in width, 120–150 mm in height, and 60–80 mm in depth. Typical Dimensions and Features

- Width: 80–100 mm
- Height: 120–150 mm
- Depth: 60–80 mm
- Material: Usually made of ABS plastic or sheet metal, providing insulation and durability
- Mounting: Can be surface-mounted or flush-mounted, often with pre-drilled holes or DIN rail compatibility
- Internal Space: Designed to accommodate a single MCB (Miniature Circuit Breaker), wiring terminals, and sometimes a neutral/earth busbar
- Protection Rating: Commonly IP40–IP65, depending on indoor or outdoor use
- Additional Considerations
- Cable Entry: Most 1P boxes have knockouts or gland plates at the top and bottom for easy cable routing
- Front Cover: Transparent or opaque cover with screw or snap closure for safety and easy inspection
- Compatibility: Designed to fit standard DIN rail-mounted MCBs, ensuring modularity and easy replacement
- Manufacturer Variations: Brands like ABB, Legrand, Siemens, and BAHRA may have slight differences in dimensions, but the above range is typical for residential and small commercial applications

Summary A 1P distribution box is compact, designed for a single circuit breaker, and provides sufficient space for wiring and safety components. When selecting a box, ensure the internal width accommodates the MCB, the depth allows proper cable bending, and the height fits the installation location. For precise installation, always refer to the manufacturer's datasheet for the exact model you plan to use.

Article Content

Electrical Box Dimensions: Find the Right Size for Any

Learn standard electrical box dimensions for outlets, switches, and junction boxes. Compare sizes, depths, volume, and clearance for safe

Single Phase Distribution Box Definition and Main Parts

A single phase distribution box controls and protects home or office circuits. Learn its definition, main parts, and how it ensures electrical safety.

Distribution | Legrand E-catalog International

Aluminium Copper Distribution box - 300 mm² - 540 A max. Residential and small commercial panels | Distribution | !

How to wire the 1P and 2P mini circuit breakers of the distribution box ...

When connecting 1P (single pole) and 2P (double pole) mini circuit breakers in the distribution box, the following are general wiring methods and some safety precautions: Wiring method: 1P mini circuit

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 maze. I've been in those shoes - staring at spec sheets, worrying about

IDE Electric

TH35x7,5 symmetrical rail in enclosures with one row of modules and a compact frame in enclosures with two or more rows of modules. They are supplied assembled in all references. VDE CERT. N+E

Assembly Box|electric power distribution box

JUNON V12 series Distribution box, also known as assembly box, switch box and distribution board, is a complete set of equipment for centralized installation of

PDB-P3201 / 32A POWER DISTRIBUTION BOX

Output Protection: 16A 1P C-Type MCB. Box Dimensions: 504mm (L) x 137mm (W) x 112mm (H) Weight: 3.8kg. Each output is MCB protected. 32A Power Distribution Box with 1.5M lead. 32A

ABB Consumer Units & Distribution Boards

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

POWER PRODUCT Panelboards

Panelboards Distributor stock - Type P1 Ready To Assemble Panelboards n breaker and vice-versa. Additionally, feed-thru lugs or subfeed circuit breakers up to 400 amperes can be added without

XL -N 630 3-phase distribution boards XL -N 630 3-phase ...

Extension boxes To be installed on XL3-N 630 distribution boards (at the top or at the bottom) for extra wiring space or additional functions.

Distribution Boxes Technical Data

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

Reticulation Product Range

Polyethylene Ground-Mount Kiosks Polyethylene Pole-Top Boxes 3CR12 Distribution
Kiosks Known as "The Stubby" these free-standing reticulation boxes

Siemens · Data sheet · A4 portrait

The current generation of panelboards from Siemens offers the high level of engineering and innovation you've come to expect from the leader in power distribution technology.

Electrical Control Panels & Distribution Boxes: Sizes,

Introduction Electrical control panels and distribution boxes are the backbone of modern electrical systems. From powering homes and industrial

Distribution Boards & Consumer Units

Distribution boards, together with modular ABB system pro M Compact protection devices and Modular Din Rail Components, can be used for many applications in electrical building installation. Solutions

Distribution Boards & Consumer Units

Clear detailed description of each size and easy to select with the ordering codes. Box with four studs and adjustable nuts for easy fit / easy remove of pan assembly. Generous wiring space. Easy fit of

Distribution box catalogue | PDF

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

Electrical Box Dimensions Manufacture

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

DISTRIBUTION BOARDS CATALOG

Unique box wrapper profile developed using latest technologies and simulation software ensures the strongest resistance to high crushing forces. This profile helps in preventing the twisting of the box

1P vs 2P MCB: Differences and Application Guide

Understand the difference between 1P and 2P MCB. Learn when to use 1 pole vs 2 pole breakers, the meaning of 1P+N, and how to choose the right

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 factors (intensity, number of outputs, etc.), the choice of a distribution

Single Phase Bus Bar Type DIN Rail 1p 12 Way Metal

MDA-2 series single phase distribution box has been designed for safe, reliable distribution and control of electrical power as service entrance

Understanding the Distribution Box Dimensions: A ...

What are the standard dimensions for a distribution box? A 1-8P box typically measures 12 x 8 x 4 inches, ensuring proper fit, safety, and compatibility with electrical panels and mounting surfaces.

small distribution boxes | DISTRO-DIRECT

DISTRO-DIRECT powered by INDU-ELECTRIC offers a wide range of small distribution boxes. Our small distribution boxes in the type 10 and type 11 series,

French Type Industrial Socket Box

Durable and Reliable: Our industrial socket boxes are manufactured using premium materials, ensuring outstanding performance in various industrial environments,

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