

What are the dimensions of an automatic distribution box



Summary of Content

Automatic distribution boxes typically range from compact 1-way units to large 36-way panels, with dimensions and capacities varying by application and standard (IEC or NEC).

Typical Dimensions and Configurations

- **Residential Panels:** Commonly designed for 6 to 24 ways, with physical dimensions around 300–600 mm width, 400–800 mm height, and 100–200 mm depth depending on the number of circuits and amperage rating (100–200A) .
- **Commercial/Industrial Panels:** Larger units can handle up to 36 ways or more, with dimensions scaling to 600–1200 mm width, 800–2000 mm height, and 200–400 mm depth, supporting higher currents from 250A to 6300A in modular configurations .
- **IP-Rated Units:** For outdoor or harsh environments, boxes often have IP44 to IP67 ratings, which may slightly increase enclosure size to accommodate waterproofing and insulation .

Key Considerations

- **Number of Ways:** The “way” refers to the number of circuit breakers the box can accommodate. Standard residential boxes usually have 6–12 ways, while industrial boxes can have up to 36 ways .
- **Amperage Rating:** Standard automatic distribution boxes are rated from 100A to 250A for residential use, and 400A to 6300A for industrial applications .

Article Content

Distribution Boxes Technical Data

What is a Distribution Box? A distribution box, or DB box, is a circuit breaker enclosure. It is a vital part and central

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

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

EU Integrated Distribution Box Dimensions

It describes HA, HK, and LGD series boxes with dimensions ranging from 100-415mm in length, 105-323mm in width, and 75-140mm

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,

Distribution Box : Final Distribution

Find distribution boxes that are designed to perform and last longer. Our range of distribution boards provides utmost safety as per

Distribution Box

Amphenol LTW's distribution boxes facilitate efficient cable management, easy installation with pre-wired configuration, and provides

Distribution Boxes Technical Data

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

Distribution Box Guide: Types, Components & Solutions

What is a Distribution Box? A distribution box, or DB box, is a circuit breaker enclosure. It is a vital part and central

Distribution box catalogue | PDF

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

Distribution Box Dimensions Technical Data Model CSD-B01-CB4A

Distribution Box Technical Data ... Dimensions M18 x 12 Pin Connector Pin Out
Subject to modifications without notice Mikrosen

Electrical DB Box Size Guide 2026

Find the right electrical DB box size for your home or project. Learn standard dimensions, NEC 2026 compliance, and

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://benniedesignstudio.co.za>

Email: sales@benniedesignstudio.co.za

Phone: +27 82 391 4765

Address: The Towers, 1 St Georges Mall, Cape Town, 8001, South Africa

This document is for informational purposes only. Specifications subject to change without notice.

