

# Dimensions of CNC Distribution Box



## Overview

The 16 Way Distribution Box has a strong steel body made with CNC precision. It protects your electrical circuits and keeps everything organized.

## Key Takeaways

CNC distribution boxes come in various sizes, typically ranging from 4 to 45 ways, with adjustable depth and standard dimensions depending on the manufacturer and configuration. Standard Sizes and Configurations CNC distribution boxes are available in multiple configurations to accommodate different numbers of circuit breakers or modules. Common sizes include 4, 6, 8, 12, 14, 16, 20, and 24 ways, with some models supporting up to 45 ways for larger installations ( ).

These boxes are designed for AC 50-60Hz circuits below 500V, suitable for industrial, commercial, and laboratory applications.

## Physical Dimensions

Height, Width, and Depth: While exact dimensions vary by manufacturer, many boxes feature adjustable installation depth, typically allowing up to 20mm adjustment from the wall for easier wiring and maintenance ( ). Internal Space: Ultra-large internal space is provided to house wires safely, maintain electrical clearance, and facilitate neat wiring ( ). Port Options: Some distribution boxes, such as Amphenol LTW models, offer 4, 6, or 8 ports with pre-wired M8, M12, or M16 connectors, and standard cable lengths of 1m, 2m, 3m, 4m, 5m, and 10m ( ).

## Material and Protection

**Material:** Fire-resistant ABS or UL-compliant plastics are commonly used ( ).  
**Protection Rating:** IP40 is typical for indoor MCB boxes, while industrial pre-wired boxes can reach IP67, providing dust and water resistance ( ).  
**Mounting:** Boxes are designed for wall mounting or panel integration, with adjustable guide tracks to maintain vertical alignment ( ).

## Additional Features

**Compatibility:** Supports single-phase 1P or 2P switches by default; three-phase 3P or 4P switches may require technical consultation ( ).  
**Indicators and Safety:** Some models include LED indicators, short-circuit protection, and automatic leakage detection ( ).  
**Customization:** Labels, pre-wiring, and cable coding can be customized for specific industrial applications ( ).

In summary, CNC distribution boxes are highly configurable, with dimensions and internal space designed to accommodate a wide range of circuit breakers and connectors. For precise measurements, it is recommended to consult the manufacturer's datasheet or product catalog, as dimensions vary depending on the number of ways, type of connectors, and protection rating ( ).

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**General** It is suitable for special occasions such as waterproof, dustproof and anti-corrosion. **Standard:** IEC60529 EN 60309. **Protection class:** IP65. **Selection ...**  
**Technical data ... Overall and mounting**

[Distribution box catalogue | PDF](#)

This document provides specifications for various distribution boxes including dimensions, mounting sizes, and number of ways. It includes specifications for TOP-TS, TOP-TF, TOP-LS, TOP-PS, TOP

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## Distribution Box

Metal Distribution Box Features Continuously welded seams Foam-in-place seamless gasket 120-degree opening heavy-duty industrial hinges IP66 protection rating against dust and water according

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## IDE Distribution box, watertight, 1x18, DIN, 286x418x148mm

Its exterior dimensions are 286x418x148mm, providing ample space for wiring. The enclosure is designed for outdoor use and has UV protection under ISO standard 4892-2, Method A: 500h. This

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## Customization of a complete distribution box

Learn the step-by-step process of customizing complete distribution boxes tailored to your needs. From requirement confirmation to design, production, and testing, find out how to get a

## Standard Breaker Sizes Explained: MCB, RCBO & MCCB Dimensions

What Are Standard Breaker Sizes? "Standard breaker sizes" usually refer to the physical width and installation dimensions of circuit breakers used in electrical distribution systems. For electricians,

## Distribution Box : Final Distribution

Multipurpose, cost-efficient, and durable Suitable for circuitry in homes, offices, commercial setups and other establishments—Himel Distribution Boxes meet diverse needs.

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

### Outdoor Water Proof Distribution Box IP65 Rated Signaling Indicator

Purchase options and add-ons Suitable for Diverse Applications: Suited for a multitude of environments, this distribution box is applicable in distribution panels, CNC machinery, workshops,

### Eaton XBoard Distribution Box

The Power of Eaton Eaton's power distribution systems are designed to be as compact and energy efficient as possible while easy access for installation, operation and maintenance. Medium and Low

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

