

# Standard Specifications and Dimensions of Thin Plate Distribution Boxes

## Article Overview

Thin plate distribution boxes are typically made of flame-resistant ABS plastic, with dimensions ranging from 200-415 mm in length, 172-323 mm in width, and 75-140 mm in height, supporting multiple modular ways and flush or surface mounting.

## Material and Construction

Thin plate distribution boxes are generally constructed from flame-resistant ABS plastic, providing excellent insulation, impulse resistance, and flame-proof properties. They are designed for AC 50Hz circuits with rated voltages of 220V/380V and are widely used in residential, commercial, and industrial applications such as high-rise buildings, hospitals, airports, and stations (Slideshare, MB-ABC series) .

## Dimensions and Series

Common series and their dimensions include:

- o MB-ABC Series (Flush Mounted)

- o MB-ABC500: 200 mm (L) x 174 mm (W) x 95 mm (H)

- o MB-ABC700: 255 mm (L) x 172 mm (W) x 95 mm (H)

- o MB-ABC900: 328 mm (L) x 172 mm (W) x 95 mm (H)

- o Supports modular combination equipment and multiple ways (outlets) .

- o HA, HK, LGD Series

- o Length: 100-415 mm

- o Width: 105-323 mm

- o Height: 75-140 mm

- o Designed for various modular configurations .

- o C6 Series (Single Phase, JUNON)

- o Includes cover, frame, base box, guide rail, neutral and earth copper bars

- o Available in surface mounting or flush mounting types

- o Rated for 32A distribution .

## Features

- o Mounting Types: Flush mounted (inside wall) or surface mounted (on wall surface) .

- o Compliance Standards: BS EN60439-3, JB/T7121-93 for modular distribution boxes .

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- o Design: Elegant appearance, easy installation and dismounting, robust structure.
- o Number of Ways: Varies by series, typically from 1-way to 36-ways depending on the modular configuration .
- o Additional Options: Some boxes allow for risers, lockable covers, and pre-cut or uncut hole options for cable entry (Polylok range) .

## Applications

Thin plate distribution boxes are used for power and lighting distribution, cable protection, and modular equipment installation in residential, commercial, and industrial settings. They are suitable for high-rise buildings, hospitals, airports, and industrial sites, providing both safety and convenience in electrical distribution . In summary, thin plate distribution boxes combine compact dimensions, flame-resistant materials, modular flexibility, and compliance with international standards, making them suitable for a wide range of electrical distribution applications.

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

Steel Enclosure to BS EN 61439-3 Supplied factory fitted with switch disconnecter and/or RCD, specification as table. Unit comes

10 [10 m (32.81 ft)] for standard cable lengths. Two provided with box. One set provided with box. Dimensions are shown in mm (in.).

Learn about control panels, breaker boxes, junction boxes, and custom enclosures. Explore

Distribution switchboards, including the Main LV Switchboard (MLVS), are critical to the dependability of an electrical

TECHNICAL SPECIFICATION FOR LT DISTRIBUTION BOX VOL-II(TS) E12-IX- LT DB Page-2 of 9  
L.T. DISTRIBUTION BOX FOR

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

ABB is driving progress for utilities through providing solutions for electrical distribution, and helping make a safer, more productive,

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BCH Distribution Boxes BCH offers wide range of compact, aesthetically appealing & elegant distribution boxes with unique user

Convincing Design With its slightly inclined sides, the bright white cabinet and the attractive locking system, the distribution board

Wall box designs with capacities from 100 - 1340 pairs A range of lightweight steel distribution boxes for LSA-PLUS®; series 2 10

We can also design & supply distribution boards to any non standard requirements. Please contact our sales/design department

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

4.1 Characteristics of the materials The area distribution box associated with the copper or optical feedthrough sockets allows total

- As a result, there is a range of 6 kits comprising 2 hinges, fixing hardware, drilling template, instructions and optional reinforcement

Features ABB distribution board and power Cabinet conform to GB7251.3-2006. Product includes distribution board, lighting control

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