

Article Overview

An 18-position distribution box is designed to house up to 18 circuit breakers or modules, available in metal or plastic enclosures, with options for indoor or outdoor use and varying IP protection ratings.

Key Features

Material and Construction:

- o Metal boxes, such as the Futina FTAMG series, are made from cold-rolled iron sheets with thicknesses of 0.7-0.8mm, offering durability and dust protection, often with customizable colors and plastic panels for aesthetics and safety .

- o Plastic boxes, like the Solaris HT-18 or Cablematic ABS models, use high-impact resistant materials (HIPS, ABS, ABS-V) that are fire-resistant and lightweight, suitable for both indoor and outdoor installations .

Module Capacity and DIN Rail Compatibility:

- o Designed to accommodate 18 standard 18mm wide modules on DIN rails, allowing flexible installation of MCBs, RCDs, or other modular components .

- o Some models, like the DISBOX-MA series, come pre-installed with terminals and mounting rails for easy assembly .

Protection Ratings:

- o Indoor models typically have IP40, providing protection against solid objects but not water .

- o Outdoor or weatherproof models, such as the HT-18 and ABS IP65 boxes, offer IP65 protection, ensuring dust-tight and water-resistant performance for harsh environments .

Installation and Design:

- o Adjustable DIN rails and ample internal space facilitate safe and convenient wiring .

- o Transparent or semi-transparent doors allow visual inspection of components without opening the box, while decorative baffles prevent dust ingress .

- o Surface-mounted options are common, with screw or wall-mounting capabilities for secure installation .

Electrical Specifications:

- o Rated for AC voltages of 220-240V or 380-415V, with maximum current ratings typically around 100-125A depending on the model .

- o Equipped with safe copper terminals and modular design for easy expansion or maintenance .

Applications

- o Residential: Distributing power to multiple circuits in homes or apartments.

- o Commercial: Power management in offices, shops, or small industrial setups.

- o Outdoor/Harsh Environments: Weatherproof models protect circuits in solar installations, outdoor lighting, or industrial sites .

Summary

Main distribution box with 18 positions

An 18-position distribution box provides a versatile and organized solution for electrical distribution, with options in metal or plastic, indoor or outdoor, and IP40 to IP65 protection. Selection depends on the installation environment, required protection level, and type of modular components to be installed. Proper choice ensures safety, durability, and ease of maintenance.

With its degree of protection of IP40, the junction box is perfectly suited for all indoor applications. The design of the housing has

The Main Distribution Box (MDB) is the heart of the Global IFS Cable System Modular Wiring System. It provides power to the Floor

These enclosures are ideal for applications where high protection and design are required, and they can be

The distribution box, often referred to as a breaker box, fuse box, or electrical panel, is a critical component of any electrical system.

Starting from compact boards for energy distribution applications up to floor standing energy supplying switchboards for huge sites of

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

Futina FTAMG series 18 model mcb box, with plastic panel and iron box, and the color for the box can be

Product description FTVOGUE Indoor Concealed Distribution Box 18-Way Circuit Breaker Distribution Box for Indoor Wall with Din

QDX and CVX The QDX and CVX range are the best system solution for the installation of all the modular and moulded case circuit

With its IP40 protection class, the distribution box is perfectly suitable for all indoor applications. The case was designed in such a

A distribution box, also called an electrical distribution box, distributes incoming power to

Power Distribution Board- GM Modular A distribution board is also known as db board or main distribution board is part of an

Main distribution box with 18 positions

This article covers the types, features, and advantages of power DB boxes, as well as their manufacturers

Browse power distribution boxes with circuit breaker protection and multiple outlet configurations. Shop durable solutions for

18 Position Distribution Block DIN Rail Terminal Blocks are available at Mouser Electronics. Mouser offers inventory, pricing, &

Discover the key types of distribution boxes with NUOMAK's comprehensive guide. Learn about Main Distribution Boards (MDB),

Web: <https://in-au.co.za>

