

Article Overview

ACP type distribution boxes are metal boxes with plastic covers designed for low-voltage power distribution, offering flexible installation, reliable protection, and compliance with international standards.

Overview

ACP distribution boxes are part of ABB's low-voltage distribution solutions, designed to safely distribute electrical power to multiple circuits while providing protection against overloads, short circuits, and electrical faults . They are typically metal boxes with plastic covers, combining rigidity and toughness with a lightweight, user-friendly design . ACP boxes are suitable for residential, commercial, and industrial applications, offering high space utilization and easy installation.

Models and Types

Common ACP models include:

- o ACP 08 FNB
- o ACP 10 FNB
- o ACP 13 FNB
- o ACP 16 FNB
- o ACP 20 FNB
- o ACP 23 FNB These models vary in the number of outgoing circuits they can accommodate, with higher numbers supporting more MCBs or protective devices . ACP boxes can be wall-mounted (surface-mounted) or embedded (concealed), and the cover is self-locking for added safety .

Features

- o Material: Metal box with plastic cover, providing good rigidity and toughness .
- o Mounting: Flexible horizontal and vertical DIN rail installation; adjustable terminal blocks for easy configuration .
- o Protection: Can house MCBs, RCCBs, RCDs, or direct cable connections; independent grounding screws ensure reliable grounding .
- o Design: Compact footprint, generous wiring space, removable gland plates, and easy fit of incomer devices .
- o Compliance: Meets GB17466, IEC62208, and GB4208 standards, ensuring safety and reliability .

Applications

ACP distribution boxes are widely used for:

ACP type distribution box

- o Residential buildings: Managing power distribution to multiple circuits safely.
- o Commercial facilities: Providing modular and flexible power distribution solutions.
- o Industrial installations: Supporting low-voltage terminal power distribution with reliable protection and easy maintenance .

Advantages

- o Flexible installation: Can be surface-mounted or embedded.
 - o High safety: Shrouded busbars, self-locking covers, and independent grounding.
 - o Modular design: Supports a wide range of protective devices and configurations.
 - o Durable and reliable: Metal construction with plastic cover ensures toughness and long-term performance .
- ACP type distribution boxes provide a versatile, safe, and efficient solution for low-voltage power distribution, making them suitable for a wide range of electrical installations.

Featuring 8 fiber ports, comprising 2 inlet, 8 outlets, this fiber optic splitter box ensures seamless

Solar combiner box guide: DC vs AC types, wiring diagram, internal components, 3-string

The power distribution boxes deliver electricity from the main electrical main to other circuits. Several distribution boxes

Learn what a power distribution box is, how it works, key components, types, and why it's

ABB's enclosures offer a first-class quality assortment of enclosures and accessories

APC, a flagship brand of Schneider Electric, provides clean uninterruptible backup power and IT physical infrastructure, ensuring

Mini Center Compact is a reliable range of distribution boards allowing maximum flexibility, offering wide choice of incomers: Switch

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

Our distribution boxes are perfect for industrial environments, catering to automation, robotics, and processing facilities. They provide

A distribution box ensures that electrical supply is distributed in the building, also known as a distribution

ACP type distribution box

board, panel board, breaker

Distribution boxes (DB), also known as distribution boards, are essential for safely

The distribution box is classified according to the structural features and purposes: (1) Fixed panel type switch cabinet, often called

We have explained various types of Distribution Boxes like Polycarbonate Distribution

The Ikegami ACP-35 AC Power Box is a versatile and reliable power distribution

For years, we have manufactured our combiner boxes with durable materials that are used efficiently to meet orders at any volume.

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

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