

Specifications and dimensions of surface-mounted circuit breaker distribution box



AI Overview

Surface-mounted MCB distribution boxes are compact, wall-mountable enclosures designed to house multiple miniature circuit breakers with DIN rail mounting and clear labeling for safe residential or commercial use.

Key Specifications

- Type:** Surface-mounted, low-voltage distribution box for MCBs (Miniature Circuit Breakers)
- Mounting:** Wall-mounted with pre-installed DIN rail for easy installation and wiring management
- Capacity:** Accommodates multiple MCBs; the exact number depends on the model and size of the enclosure
- Material:** High-quality, durable materials compliant with ISO9001 standards; resistant to impact and environmental factors
- Safety Certifications:** CE, ROHS, IK, and HF tested for compliance with international safety standards
- Design Features:** Clear labeling for circuit identification, cable management system to reduce clutter, and optimized size for easy handling and installation
- IP Rating:** Varies by model; waterproof and dust-resistant options are available
- Color and Finish:** Typically neutral colors with smooth or textured surfaces for aesthetic integration in residential or commercial settings
- Dimensions:** While exact dimensions vary by manufacturer and model, typical surface-mounted MCB distribution boxes have the following approximate ranges:
 - Height:** 200 mm to 400 mm
 - Width:** 150 mm to 300 mm
 - Depth:** 70 mm to 120 mm
 - DIN Rail Length:** Sized to fit the number of MCBs, usually 1–3 rails per boxThese dimensions are optimized for space-saving installation, allowing the box to be mounted on walls without requiring large recesses, and providing sufficient room for wiring and maintenance.

Additional Considerations

- Customization:** Many manufacturers offer OEM/ODM services to customize the number of MCB slots, IP rating, and enclosure size to suit specific project requirements
- Installation:** Designed for quick installation with hidden screws...

Article Content

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Series Connected Short Circuit Ratings The term “Series Connected Short Circuit Rating” refers to the application of series connected circuit breakers in a combination that allows some breakers to have

Panelboards

Overview Choices to quickly change feeder breakers in electrical distribution equipment have evolved over the years. While using drawout switchgear with power air circuit breakers remains a highly

ROYU Distribution Box Panel Board for Miniature

ROYU Miniature Breaker Distribution Box Panel Board Flush Mounted Type | 4 6 8 12 Breakers From the makers of FIREFLY Lighting ***** METAL BASE ***** ☐☐

Electrical distribution box home lighting box 8-10 ways

Product Name: Distribution box Product Type: 8-10 Ways Product color: Elegant white Dimensions: 19.5*23.5*7 cm Scope: a variety of family style Product

POWER PRODUCT Panelboards

Main Breaker Gutter Dimensions - Inches Feed-thru lug wire bending space is 15.000" (381mm) and neutral wire bending space is 15.880" (413mm) on 400A panel.

Outdoor Electrical Distribution Box Specifications: NEC

Complete specification guide for outdoor electrical distribution boxes covering NEC Article 312 requirements, NEMA ratings, sizing calculations, and

PowerFlex 755 IP00, NEMA/UL Open Type Drive Frames 8...10

This document provides instructions for the installation of an IP00, Open Type PowerFlex® 755 drive (Frames 8...10) in a user supplied enclosure.

Electrical Distribution Box | Home Lighting Box | 4 Ways

☐☐ Dust-proof and secure enclosure ☐☐ Transparent cover for easy breaker visibility ☐☐ Snap-fit design – hassle-free installation of breakers ☐☐ Whether you're upgrading

PRL1X/2X/3X panelboard design guide

The PXR electronic trip units provide an enhanced and easy-to-use interface that enables end users and maintenance engineers to more easily change set points, test and configure circuit breakers, and

Siemens · Data sheet · A4 portrait

Increasing distribution is simplified by the ability to add feed-thru lugs or Subfeed Breakers in the field. Interiors with BL/BQD branch unit space are available in both Feed-thru and Non-Feed-thru variations.

Factory Supplies 24 Way Circuit Breaker Enclosure Box

Factory Supplies 24 Way Circuit Breaker Enclosure Box Concealed Mounted Surface Mounted Metal Distribution Box US\$23.00 10-99 Pieces

DISTRIBUTION BOARDS CATALOG

BAHRA Circuit Breakers Enclosure are powered with the best selection of international proven quality of breakers by BAHRA to provide reliable circuit protection against overload and short circuits.

Panelboards

Breakers are inserted and removed via a mechanical removal system similar to other drawout designs associated with switchgear; however, these breakers are horizontally mounted in a traditional

Plastic Transparent Cover Power Distribution Protection

Features: Made of high quality plastic material, this distribution box is durable and sturdy. This distribution box is designed for 5-8 ways circuit breaker. The blue

Eaton Type BR 125-Amp 8-Space 16-Circuit Indoor

Specially designed for easy installation, the Eaton Type BR 125 Amp 8-Space 16-Circuit Indoor Main Lug Load Center houses the branch circuit

Electrical distribution box home lighting box 20-22 ways surface ...

Product Name: Distribution box Product Type: 22-24 Ways Product color: Elegant white Dimensions: 19.5*18*7 cm Scope: a variety of family style Product quality: no deformation, no oxidation, corrosion

Siemens® 200-Amp 2-Space 2-Circuit Meter Main

Siemens provides a full range of Meter Combination Load Centers and Meter Mains that are built for safety, ease of installation, and long term

6 Way Flush Mounted Surface Mounted Fuse Box

Buy 6 Way Flush Mounted Surface Mounted Fuse Box Electrical Distribution Boxes Junction Boxes for MCB Circuit Breaker Installation online today! □□□□6 Way Flush

Square D™ QO™ 200-Amp 42-Space 42-Circuit Indoor

Square D QO 200 amp 42-Space 42-Circuit Main Breaker Plug-On Neutral Indoor Load Center includes a selection of breakers and is UL listed for residential,

Clopal 5 & 12 Ways Waterproof IP65 Distribution Box

Material: Five Way outdoor breaker box made of high quality ABS, this distribution box is durable and sturdy. Insulation Design: The entire shell of the 1200A Power Distribution Panelboard, Main Lug ...

The specifics for this configuration are listed in the specification table and supporting documentation (CAD files, Dimensional Drawing, Name Plate Diagram, Wiring Diagram, etc.).

SPN distribution board, Acti9, 12 ways, metal double

This Acti9 product is a flush or surface mounted 12 ways SPN distribution board.

Distribution Boards

Applications Aesthetically pleasing board for housing circuit breakers, • switch disconnectors and earth leakage units Mounting tray, metal or plastic, vertically and horizontally adjustable Optional cover

Contact Us

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