

Lighting Distribution Box Switch Model and Specifications



Overview

Distribution Box and Selection Guide: Internal Structure, Components. Below is a simplified internal structure diagram for a typical single-phase AC dist.

Key Takeaways

Lighting switch distribution boxes come in various models such as ABB Mini Center Compact, Delixi Electric, JUNON C6 series, and flex7 Dual Control/Supply, each offering specific features for residential, commercial, and industrial applications.

ABB Mini Center Compact Distribution Board

- Application: Residential, commercial, and infrastructure segments.
- Features: Flexible configuration with incomers like Switch Disconnecter, MCCB, MCB, RCCB, RCD, or direct cable connection. Busbars and terminals are shrouded for safety. Pan assembly allows easy mounting/dismounting of MCBs without obstruction. Front cover screws are behind the door for added security. Factory-fitted or installer-fitted incoming devices. Generous wiring space and self-aligning outgoing MCBs. Supports modular ABB system pro M Compact protection devices .

Delixi Electric Lighting Distribution Box

- Application: Household electrical and industrial control automation.

- Features: Designed for safe, reliable, and efficient power distribution. Offers professional support and customization options. Suitable for emerging markets with cost-effective and high-quality solutions .

JUNON C6 Series Single Phase Distribution Board

- Application: Residential and industrial power distribution.
- Specifications: 32A distribution board with cover, frame, base box, guide rail, neutral copper bar, and earth copper bar. Supports flush mounting (inside wall) and surface mounting (on wall surface). Used for power and lighting distribution control. Protection levels vary depending on application. Closed vertical installation for industrial and mining sites .

flex7 Dual Control/Supply Lighting Distribution Box

- Application: Independent control of two groups of luminaires or two individual circuits.
- Specifications: Supports standard on/off or dimmable lighting control, emergency or non-emergency versions. Outlets rated 16A, 230V, total system rating 16A. Input terminals accept 3 x 2.5mm², 2 x 4mm², or 1 x 6mm² conductors. Snap-on/off single-point fixing brackets. Expandable via plug-in Expansion Box or Supply Tap-off Box. Compatible with flex7 plug-in control devices with integral emergency luminaire test .

General Technical Considerations

- Material: Metal (GI sheet) or plastic enclosures depending on model. Outdoor boxes may have IP-55 protection.
- Busbar and MCCB: Copper flat busbars, insulated barriers between MCCBs, and compliance with IS 13947 standards.
- Mounting: Flush or surface mounting, with adjustable nuts and studs for easy installation.
- Safety: Shrouded terminals, lockable doors, and earthing points. Some models include emergency lighting support and dimmable control.
- Expansion: Many models allow additional units or circuits to be added without major rewiring.

These models provide a range of options depending on installation environment, load requirements, and control preferences, from simple residential lighting to complex industrial setups.

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MaxLite Lightbar Distribution Box with On Off Switch

Low profile distribution box allows up to four separate light bar chains to run from

flex7 Lighting Distribution Boxes

Flex7 Lighting Distribution Boxes are both designed and fully manufactured in the UK. This means that

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Rated 230-240 V, 50-60 Hz, with 4 kV impulse withstand and IP20. One 17.8 mm module for DIN rail. B

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It includes: 1) Technical requirements and standards for 415V/240V lighting distribution boards, including miniature and residual

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1. Scope: The Specification covers design, manufacturing, factory testing and supply of "L.T. Distribution Boxes" with Switch

The Ultimate Guide to Distribution Box Types

Discover the key types of distribution boxes with NUOMAK's comprehensive guide. Learn about Main

Electrical Box Basics All Homeowners Should Know

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Electrical Symbols | TLC Electrical

Lamps & Lighting The following table provides the commonly used electrical wiring schematic symbols for push-buttons and lamps

5 Types of Electrical Boxes

The shape of an electrical box can help you identify its purpose. Different electrical box sizes fit varying installation

Distribution Box Specifications And Models

There are many specifications and models of Distribution box. The following are some

SELECT YOUR DISTRIBUTION SYSTEM

Distribution is an essential function for the electrical panels, as well as for control and circuit protection. As well as purely technical

REFERENCE REV SPECIFICATION FOR POLE

1 SCOPE This specification covers City Power's requirements for pole-mounted service distribution boxes for public lighting in

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Distribution Boards

Distribution boards, often referred to as electrical panels or breaker boxes, serve as the nerve center of any electrical system. Here

TECHNICAL SPECIFICATION FOR DISTRIBUTION BOARDS

1.0 SCOPE OF SUPPLY 1.1 Design, manufacture, assembly, inspection & testing at vendor's/ sub-vendor's works, proper packing

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Electrical Distribution CAD files | Schneider Electric Australia

Electrical Distribution CAD files Schneider Electric is a market leader in electrical distribution solutions. We design and manufacture a

Lighting Distribution Board Specifications | PDF

The document provides specifications for lighting distribution boards, switch boards, and lamp fixtures for a CHP plant. It includes: 1)

Electrical Boxes

Electrical Boxes: Junction Box, Outlet Box, Single Gang, 2 Gang Electrical Boxes vary in size, material, number of gangs, and shape

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32-CU.-IN. DOUBLE-GANG BOX for two light switches together in the same box, or two duplex receptacle outlets.

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Distribution Box Guide: Types, Components & Solutions

Understand distribution boxes (DB boxes) in 5 minutes. Learn about types, components, functions, and uses. Find

Panelboards and Lighting Control

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

