

Main switch on the distribution box handle



Overview

The main switch, or main breaker, controls the entire electrical supply to the distribution box. It's typically. A distribution board (also known as panelboard, circuit breaker panel, breaker panel, circuit breaker, electric panel, fuse box or DB box) is a component of an electricity supply system that divides an electrical power feed into subsidiary circuits while providing a protective fuse or circuit. In low-voltage power distribution systems, choosing the right main switch directly determines the safety, reliability, and long-term stability of the entire system. Among all options, the MCCB (Molded Case Circuit Breaker) has become the preferred main breaker for distribution boxes due to its high. A main switch box is essential to your home's electrical system. It also contains safety devices such as fuses, circuit breakers, and residual current devices (RCDs) that protect you and your appliances from electric shocks. The main parts are the Miniature Circuit Breaker (MCB), Residual Current Device (RCD), busbars, and the main switch. These are MCBs, RCDs, busbars, and the main switch.



Article Content

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What is a Main Switch and How Does It Work

Wonder what a main switch is and its functions in an electrical system? Learn about its role in controlling power flow and ensuring electrical safety!

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Distribution Box Guide: Types, Components & Solutions

The primary function of a distribution box is to route electricity from the main supply to different circuits throughout a building. This ensures that all

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What is an Electrical Distribution Box? A

Main Switch: This is the “master control” for the entire distribution box, allowing the entire system to be turned off or on. In an emergency, flipping this

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The Complete Guide to Distribution Box: Installation, Types & More

The main switch, or main breaker, controls the entire electrical supply to the distribution box. This large switch allows you to disconnect all power to the building during emergencies or

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Mains Electric Box: What is it and what does it do?

The mains electric box is a square or rectangular box made from plastic or metal that is installed somewhere in our homes. The incoming live electricity feed enters the

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A Comprehensive Guide to Electrical Switchboard Wiring

Understanding Electrical Switchboards What is an Electrical Switchboard? An electrical switchboard is a centralized system that distributes

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The Ultimate Guide to Distribution Box Types

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

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Distribution Board vs. Distribution Box: What's the

What is a Distribution Box? A distribution box is a compact electrical enclosure designed to help safely manage local power distribution. It doesn't

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The Anatomy of a Distribution Box: Key Components

The main switch, which is often a double pole mcb, lets you control all the electricity coming in. The live wire goes through the rcd before it reaches the

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Explore Power Distribution Box Types and Functions

Power distribution boxes are used in commercial and residential buildings and are part of the electrical system, also known as switchboards.

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Selection Of Main Switch For Household Distribution Box

The household distribution box has single pole and double pole (single opening and double opening). The single pole occupies one position in the distribution box, and the double pole occupies two

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Distribution board

OverviewUnited KingdomNorth AmericaManufacturer differencesLocation and designationTheatre lighting

This picture shows the interior of a typical distribution panel in the United Kingdom. The three incoming phase wires connect to the busbars via a main switch in the centre of the panel. On each side of the panel are two busbars, for neutral and earth. The incoming neutral connects to the lower busbar on the right side of the panel, which is in turn connected to the neutral busbar at the top left. The incoming earth wire conne

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Distribution Box Wiring Steps

Wiring and Binding Wiring Direction: Wiring between the main circuit breaker and each branch circuit breaker in the box generally goes on the left, and

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Distribution Boxes Types – The Complete Guide

The power distribution boxes deliver electricity from the main electrical main to other circuits. Several distribution boxes are designed for specific use in

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5 Advantages of Using an MCCB as the Main Switch in

This guide explains the five major advantages of using an MCCB as the main switch, and provides practical installation tips and model-selection guidance to help

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How to Choose a House Distribution Box | CHINT global

A well-chosen distribution box ensures the safety and efficiency of your household electrical system. This article guides you through selecting a

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Distribution boards components

Distribution boards (generally only one in residential premises) usually include the meter (s) and in some cases (notably where the supply utilities impose a TT earthing system and/or tariff

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Power Distribution Boxes Explained Simply

Learn what a power distribution box is, how it works, key components, types, and why it's vital for safe and efficient electrical systems.

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Main switch box: Definition, working method

This article explains in detail about a main switch box-how it works, factors to consider when choosing one and how to install and maintain.

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What is a Main Switch and How Does It Work

Basically, a main switch consists of a handle or lever that connects or disconnects the electrical supply when moved. However, you may have more than one main

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Correct Selection Of Main Switch Of Distribution Box

As the main switch is separated from the whole distribution box, it can also be used as the power supply terminal (including bus bar) for the protection function of

May 17, 2026

What is the function of a distribution box?

The main switch in the Distribution Box allows you to cut off power to the entire property at once. This is essential for maintenance, emergencies, or when you are away for an extended

Feb 11, 2026

Distribution Board vs Switchboard: What You Need to

Confused about the difference between a distribution board and a switchboard? Our blog explains the key differences, components, and functions you need to know!

Contact Us

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