

Applicable switches for distribution boxes



Article Overview

Distribution boxes primarily use main switches, circuit breakers, and transfer switches to control and protect electrical circuits.

Main Switches

The main switch or main breaker controls the entire electrical supply to the distribution box. It allows the complete disconnection of power during maintenance or emergencies and is rated for the maximum current capacity of the electrical service . This switch ensures safety by providing a single point to shut off electricity to all circuits.

Circuit Breakers

Circuit breakers are automatic switches that protect individual circuits from overcurrent, short circuits, or ground faults. When excessive current flows, the breaker trips, interrupting the power flow. Modern breakers can be reset manually by flipping the switch back to the “on” position after resolving the issue . They are the most common type of switch in residential and commercial distribution boxes.

Transfer Switches

Transfer switches are used in setups with backup power sources, such as generators. They allow the seamless transfer of electrical load from the main supply to a backup source. There are two types:...

Article Content

Jun 24, 2026

12 types of distribution boxes and how to choose them

In this guide, we'll break down the 12 main types of distribution boxes in a way that's easy to understand. We'll chat

Dec 22, 2025

Distribution board

A distribution board (also known as panelboard, circuit breaker panel, breaker panel, circuit breaker, electric panel, fuse box or DB

Nov 29, 2025

Area distribution box switch

Based on state-of-the-art technology and equipped with advanced features, the Area box distribution switch provides complete

May 23, 2026

How to Size a Load Center, Panelboards and

Sizing Main Panel, Load Center, Panelboards, Distribution Board & Consumer Unit According to NEC and

Nov 26, 2025

Learn the difference between a distribution board and a

Electrical systems appear complex, making it difficult to understand what the difference is between the

May 07, 2026

Ultimate Guide To Distribution Boxes Db Boxes Types

This ultimate guide explains what a distribution box does, its internal components, common types, real

Feb 22, 2026

Electrical Panels: Replacement Signs, Maintenance, and Basics

The electrical panel—also called a circuit breaker box or service panel—is the central distribution point that connects

Oct 25, 2025

Electrical Distribution Boxes: Types, Uses & Selection Guide

Learn how electrical distribution boxes work, their key components, common types, and how to choose the right enclosure for safe

Aug 07, 2025

Electrical Distribution Boxes for Power Distribution

From decentralized energy, signal and data distribution to distribution boxes for smart buildings, we offer

Nov 05, 2025

Distribution Box: Types and Functions | Axis-Electricals

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

Mar 09, 2026

Switchgear & Distribution | Power Systems | CEF

Complete range of switchgear and distribution equipment for professional installations. Our selection includes consumer units,

Mar 24, 2026

Switches | Products | ABB

A wide range of high quality switches The switch family consists of a complete range of switch-disconnectors, switch fuses, transfer

Feb 28, 2026

Effective March 2024 IL008064EN Supersedes February 2021 ...

Voltage ratings Maximum AC voltage ratings for each switch are outlined on the switch's publication. Where DC voltage ratings are

Jul 13, 2026

Distribution Boxes Types – The Complete Guide

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

Dec 22, 2025

Distribution Box Guide: Types, Components & Solutions

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

Sep 16, 2025

What Is a Distribution Box?

What to Look for When Choosing a Distribution Box If you're going to buy a distribution box, there are several things

Aug 13, 2025

Amazon : Power Distribution Box

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

Dec 15, 2025

Distribution Box Guide: Types, Components & Solutions

With devices like DB circuit breakers, variable frequency drives (VFD), and automatic transfer switches (ATS), these

Apr 01, 2026

Wiring of the Distribution Board with RCD (Single Phase Home Supply)

The above mentioned electrical wiring accessories and protective devices are used to control and distribute electric supply (safely to

Mar 16, 2026

Distribution Box and Selection Guide: Internal Structure, Components ...

Learn how to choose a distribution box and understand its internal structure, including MCBs, busbars, neutral bars,

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://www.greatpremiersolutions.co.za>

Email: sales@greatpremiersolutions.co.za

Phone: +27 82 914 3675

Address: Unit 5, Silicon Heights, 22 Electron Avenue, Cape Town, 8001, South Africa

This document is for informational purposes only. Specifications subject to change without notice.

