

How to connect the wires to the socket in the distribution box



Article Overview

To connect wires to a socket in a distribution box, ensure the main power is off, identify live, neutral, and earth wires, and connect them to the corresponding terminals on the MCBs, RCD, and neutral/earth links.

Safety First

Before starting, turn off the main power supply to prevent electric shock. Use insulated tools and wear protective gloves. Verify that the power is off using a multimeter or voltage tester .

Identify Wires

- Live (Phase) Wire: Usually brown or red.
- Neutral Wire: Usually blue or black.
- Earth Wire: Green/yellow striped or bare copper .

Step-by-Step Connection

- Mount the Distribution Box securely on the wall at an accessible height .
- Connect the Incoming Power: Attach the live wire from the main supply to the main MCB input terminal. Connect the neutral wire to the neutral link and the earth wire to the earth link .
- Install Circuit Breakers: Place single-pole (SP) or double-pole (DP) MCBs in their slots according to your load requirements

Article Content

Mar 31, 2026

How to Wire an Outlet Receptacle? Socket Outlet Wiring Diagrams

In today wiring tutorials, we will be showing that how to wire and install an electrical outlet in different ways. In this wiring, a 15A,

Jul 13, 2026

How to Wire a Switch Box ? Electrical Switch Board Connection

Switch box wiring or switchboard wiring is a common wiring arrangement used in most house electrical wirings or

Feb 17, 2026

Installing a new electric socket

Summary: Step by step guide and video showing wiring a new electric socket: Learn how to wire a socket, extending

Jan 10, 2026

Residential Electric Meter Box Wiring Diagram Guide

Clear wiring diagram for residential electric meter box, showing connections, safety components, and layout for accurate installation

Jun 27, 2026

Wiring of the Distribution Board From Energy Meter to the Consumer

How to Wire a Distribution Board? Distribution Board aslo know as "Panel Board", "Switch & Fuse Board" or "Consumer Unit" is a

Nov 08, 2025

Distribution Box Installation: A Complete Guide to Safe and Efficient ...

The distribution box, often referred to as a breaker box, fuse box, or electrical panel, is a critical component of any electrical system.

Sep 01, 2025

Single Phase Distribution Box (DB) Wiring Diagram and Connection

Hey, in this article we are going to see the Single Phase Distribution Box Wiring Diagram and Connection Procedure. A

Apr 23, 2026

How to Install a Circuit Breaker: 14 Steps (with Pictures)

Installing a circuit breaker is sometimes considered the most intimidating part of home electrical work. In fact, most

Nov 02, 2025

How to Install an Electrical Outlet Receptacle

If there is more than one cable in an electrical box, use pigtail wires to connect the outlet's terminal, or ground screw,

Jun 16, 2026

DIY Wiring a Consumer Unit and Installation

/ Consumer Unit Background Wiring a Distribution Board is vital in any electrical installation. All the

Oct 23, 2025

How to Wire a Home Distribution Box

In this video, we'll walk you through the process of wiring a home distribution box with a detailed connection diagram.

Feb 07, 2026

Connecting and wiring socket outlets

Guide to connecting a new socket outlet to the power cables of a ring main, and fixing it to the back box or pattress in the wall.

Jul 28, 2025

How to Wire a Home Distribution Box

How to Wire a Home Distribution Box - Step-by-Step | Distribution DB box wiring diagram Welcome to our channel! In this video, we'll

Jan 17, 2026

How To Connect A Distribution Box

Learn how to connect a distribution box with this easy-to-follow, step-by-step guide. From tools and materials needed to common

Oct 18, 2025

Sockets & Switches | Traditional, Modern ...

Important: Metal decorative sockets and switches must be correctly earthed. This is achieved by connecting the fixed earth wire to

Feb 15, 2026

How to Wire 120/240V Main Panel

These three wires enter the meter box and then connect to the main panel. In the following tutorial, we will

Sep 09, 2025

The installation requirements for the distribution box

Testing and Inspection After Installation After installing your distribution box, it's important to check everything before

Jan 25, 2026

How to wire and install an electric outlet

This article is about how to wire and install an electric outlet. Generally speaking, there are many types of electric

Mar 12, 2026

How to Properly Connect Wires in a Junction Box

Step-by-step guide to properly connecting and securing electrical wires in any junction box, ensuring safety and

Apr 19, 2026

How to Install a Cable Distribution Box Safely and Correctly?

Function: Cable distribution boxes are mainly used for power distribution, circuit protection, and cable management,

Oct 06, 2025

How to Wire Socket Outlets in a Domestic Installations

A ring circuit commences from the consumer unit or distribution board through an MCB or fuse of specific rating usually 30 Amps and

Apr 28, 2026

DIY Wiring a Consumer Unit and Installation

A Sub Circuit can be an electric cable distributing power to few lights, or a socket outlet/s through a MCB device or a Fuse in the

Contact Us

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

Website: <https://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.

