Socket for small household electrical distribution box



Overview

Plug Socket Buying Guide | Types of Socket | ScrewfixFind out about plug and socket types with Screwfix. Discover the different socket standards, USB socke.

Key Takeaways

The most common sockets for small household electrical distribution boxes are standard two-hole, three-hole, and five-prong outlets, typically rated for 110–240V and protected by circuit breakers. Common Socket TypesTwo-Hole Socket: Simple design for low-power appliances; often used for lamps or small electronics.

Three-

Hole Socket: Includes two phase jacks and a ground jack; the most widely used in homes for appliances like refrigerators, microwaves, and computers.

Five-

Prong Socket: Adds two additional side-by-side jacks for specialized equipment such as computers, TVs, or workshop tools.

Meter Sockets and Distribution Boxes

For small household distribution boxes, meter sockets or meter bases are used to house utility meters and provide safe connections. Common options include: Ringless or Ring-Type Meter Sockets: Available in 100A, 125A, 200A, and higher ratings; suitable for overhead or underground feeds. Lever Bypass or Jaw Release Sockets: Allow safe meter replacement or testing without interrupting service.

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Surface or Flush Mount: Depending on wall space and installation requirements, sockets can be mounted on the surface or recessed into the wall.

Small Distribution Box Features

Voltage and Current Ratings: Typically 110V–240V, with branch circuit breakers rated 15–20A for household use. Number of Circuits: Small boxes often include 2–4 circuits, each protected by a breaker. Waterproofing and Safety: Many boxes are rated IP54–IP65 for protection against dust and splashing water, suitable for indoor or semi-outdoor use.

Pre-

Wired Options: Some distribution boxes come pre-wired with NEMA 5-20 outlets and breakers for easy installation.

Installation Considerations

Ensure the socket type matches the appliance requirements and local electrical codes. Verify amperage rating of the meter socket or distribution box to prevent overload. Use grounded outlets for safety, especially in wet or outdoor areas.

Professional installation is recommended for meter sockets and high-current distribution boxes to comply with utility regulations.

Where to Buy

Retailers: Lowe's, Home Depot, Menards, and Amazon offer a variety of meter sockets and small distribution boxes. Specialty Electrical Suppliers: Dealers Electrical Supply and Graybar provide professional-grade sockets and distribution equipment. By selecting the appropriate socket type and distribution box, you can safely power household appliances and small electrical circuits while ensuring compliance with local codes and utility requirements.

Article Content

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Find out about plug and socket types with Screwfix. Discover the different socket standards, USB sockets, outdoor options & guidance on wiring and installation.

Amazon : Power Distribution Box

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

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Modern socket designs often incorporate safety features such as childproof shutters and surge protection to guard against electrical faults. Explore our range to find durable, high-quality sockets

Plug Socket Buying Guide

Check out our buying guide on types of plug sockets. We cover double sockets, single plug sockets, and more to help you find the best fit for your needs.

Meter Sockets

What are a few brands that you carry in Meter Sockets? We carry Square D, Leviton, Eaton and more. What are the shipping options for Meter Sockets? All

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Choose from our selection of UL listed electrical sockets, including over 5,500 products in a wide range of styles and sizes. Same and Next Day Delivery.

The Complete Guide to Switches and Sockets

This is the comprehensive guide to all types of electrical switches and sockets that are commonly used in your home. Understand how to fit them, where you are

Single-phase (1F) household plug sockets for electricity supply

Single-phase household plug sockets are designed for convenient and safe everyday use of electrical appliances. These sockets are common in home environments and are adapted for standard single

Plug Sockets | Electrical Sockets | RS

Plug sockets provide a safe and convenient method of power distribution to appliances and devices. We stock electrical sockets in a range of specifications, colours and finishes to suit any residential,

Electrical Boxes for Wiring Installations | Lowe''s

Explore options for electrical boxes that securely house wiring connections and devices to support safe and organized installations in homes and buildings.

Electrical Boxes & Enclosures | Pattress Boxes

Whether you''re installing, upgrading, or maintaining electrical systems, electrical boxes and enclosures are essential for ensuring safe and secure connections. At BES, we offer a comprehensive range of

Consumer Units | Fuse Boards | Screwfix

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Consumer units, often referred to as fuse boards, are crucial components in any domestic electrical system, ensuring the safe distribution of electricity throughout a home. These devices play a vital role

Amazon : Power Distribution Box

Power Distribution Box, 110V Electricity Meter Electrical Box with NEMA 5-20 Power Outlet Pane,IP54 Electrical Breaker Socket Distribution Box for Construction Sites, workshops and Factories 100+

Junction Boxes | Wiring Accessories | Screwfix

Junction boxes are essential for both indoor and outdoor electrical installations, providing a secure enclosure for wire connections. Whether you''re dealing with cable junction boxes for internal wiring

Distribution Box Guide: Types, Components & Solutions

Understand distribution boxes (DB boxes) in 5 minutes. Learn about types, components, functions, and uses. Find the perfect DB box for your needs.

Plug Sockets | Switches & Sockets | Screwfix

Plug sockets are an essential element in any home or commercial environment, providing the crucial connection between electrical appliances and the power supply. Whether you''re undertaking a new

Choosing the Right Wall Socket: A Complete Guide

Choosing the appropriate electric wall socket is an important decision for both consumers looking to install or upgrade sockets in their homes, as well

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, earth bars, RCDs, RCBOs, SPDs, enclosure ratings, and wiring layout.

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