

Connector box with 3 inlets and 6 outlets



Overview

Choose from our selection of terminals, electrical connectors, wire splicing connectors, and more. Same and Next Day Delivery.

Key Takeaways

A connector box with 3 inlets and 6 outlets is typically available as a multi-outlet IEC connector or a junction box designed for power distribution, combining multiple inlets and outlets in a single unit.

Types of Connector Boxes

1. **Junction Boxes:** These are standard electrical boxes that can accommodate multiple terminals. Some models feature 3 to 6 terminals, IP-rated plastic enclosures, hinged lids, and cable tie facilities for strain relief. They are suitable for both lighting and general electrical wiring applications, and can include pre-wired connectors for quick installation.
2. **Power Entry Modules (PEM):** PEMs combine multiple functions such as inlets, outlets, switches, circuit protection, and filters into a single unit. They are ideal for devices that require multiple power inputs and outputs while maintaining safety and compliance with international standards.
3. **Multi-Outlet IEC Connectors:** These connectors house multiple outlets in one unit, often compatible with C13 IEC power cords. They can be wired directly into devices using solder or quick-disconnect terminals, and are rated for Class I shock protection and IP30 safety standards. They save space and simplify installation for devices requiring multiple power connections.

Key Features to Consider

- **Inlet/Outlet Configuration:** Ensure the box supports 3 inlets and 6 outlets or can be customized to meet this requirement.

- Mounting Options: Snap-in tabs or panel-mount designs for secure installation.
- Safety Ratings: Look for UL 94 V-0 or V-2, IP ratings, and Class I shock protection.
- Compatibility: Check for IEC standard compliance (C13/C14) for universal power cord compatibility.
- Wiring Method: Soldered connections provide durability, while quick-disconnect terminals allow faster assembly.

Where to Source

- DigiKey and SIGNAL+POWER offer a wide range of power entry modules and multi-inlet/outlet connectors with customization options .
- Toolstation provides junction boxes with multiple terminals suitable for 3-inlet, 6-outlet configurations .
- McMaster-Carr and Farnell UK stock IEC multi-outlet connectors compatible with standard power cords and rated for safety and efficiency . These options allow you to select a connector box that meets your specific electrical, safety, and installation requirements.

Article Content

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Generator Connection Box: 1000

Series 16 Cam inlets Outdoor rated Type 3R enclosure Hinged door on bottom for portable cable access to Type 3R

LINK BOXES – Cable Grid

Link Box, a box in which bonding or grounding connections, are made through removable links, and also contain arrestors

Amazon : Outdoor Electrical Box

Flemoon Large Outdoor Electrical Box, Waterproof Extension Cord Cover | Inner Size 12 x 7.4 x 3.9 Inch, 6 Cable Entry Ports, IP54

Related Video Reference

This video was associated with the source search result. Verify technical details against current product documentation and project requirements.

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