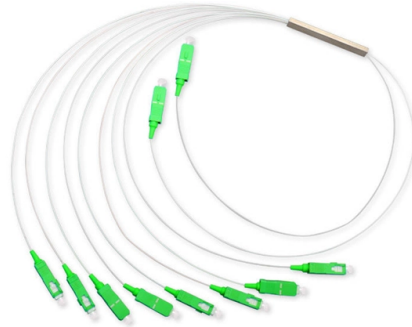


Concealed wiring 8-circuit distribution box



Overview

[Convenient Installation] With an internally mounted guide rail, easily install circuit breakers in this distribution box.

Key Takeaways

An 8-circuit concealed distribution box is a compact, flame-retardant enclosure designed for safe, organized electrical distribution behind walls, supporting modular breakers and modern interior aesthetics.

Key Features

Material and Durability: These boxes are typically made from cold-rolled steel combined with polycarbonate (PC) covers, providing excellent flame resistance (UL94 V-0) and long-term durability for residential and commercial installations.

Concealed Design: The boxes are designed to sit flush with walls, maintaining a 0-20mm protrusion for a seamless look in apartments, hotels, or office buildings. This allows the wiring to remain hidden while still being accessible for maintenance.

Circuit Capacity and Load: An 8-circuit box can handle up to 63A total load, accommodating standard modular breakers. Internal dimensions are usually around 222x210x100mm (8.74x8.27x3.94in), providing sufficient space for wiring and accessories.

Installation Convenience: Most models feature a built-in DIN rail, allowing quick and secure mounting of circuit breakers, saving installation time and ensuring professional-grade setups.

Safety Standards: These boxes comply with IEC 61439-3 standards for electrical enclosures, with rounded edges and textured screws to minimize installation risks. Some models also include equipotential connection terminals for grounding and safety in complex building systems.

Applications

Residential buildings: Concealed wiring for apartments and houses. **Commercial spaces:** Hotels, offices, and high-end interiors where aesthetics and safety are important. **Specialized installations:** Hospitals, swimming pools, or areas requiring equipotential bonding for safety.

Installation Tips

Ensure the installation depth does not exceed the wall thickness; maintain a 0–20mm flush profile. Use the pre-mounted DIN rail to snap in breakers without additional drilling. Verify that the total load does not exceed the rated 63A to prevent overheating.

Maintain proper grounding using the equipotential terminals if provided. These 8-circuit concealed distribution boxes provide a safe, durable, and aesthetically pleasing solution for modern electrical distribution needs, combining compliance with safety standards and ease of installation.

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Material: The shell is made of ABS plastic, the cover is made of transparent PC, the sealing ring is made of silicon rubber, and

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□High quality material□: This power distribution box is made ade of high quality plastic (ABS), is durable and sturdy; Waterproof Rating: IP65; Main Color: Gray,Model: MKHT-8WAY. □Applicable

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The outdoor distribution junction box and enclosure for din rail are suitable for indoor electrical, communication, control panels, terminal boxes Applicable Places: Our

12 Way Distribution Box, Distribution Box, 12 Way Concealed

MAIN PURPOSE: 12 way circuit breaker box, mainly used to provide safety for your wall circuit, which is stable and EASY TO INSTALL: The distribution box with DIN rail, concealed

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

