

How to cut the distribution box rails



Article Overview

Distribution box rails, such as DIN rails, can be safely and precisely cut using a DIN rail cutter or a manual rail cutter designed for support rails.

Understanding the Rails

Distribution box rails, commonly DIN rails, are standardized metal strips used to mount circuit breakers, terminal blocks, and other electrical components inside control panels (). They are typically made of zinc-plated steel, aluminum, or stainless steel, and come in profiles like TS35 (Top Hat), TS15 (Miniature), and TS32 (G-Section) (). The material affects cutting ease: aluminum is lighter and easier to cut, while steel and stainless steel require more robust tools ().

Tools for Cutting

- **DIN Rail Cutter:** A specialized tool designed to cut DIN rails cleanly and safely (). It usually has a measuring guide to set the desired length and a lever mechanism to make a precise cut. DIN rail cutters prevent deformation of the rail edges and reduce the risk of injury.
- **Manual Rail Cutter:** Tools like the MC3 or MC125 rail cutters allow manual cutting of support rails and wiring ducts to length (). These cutters are flexible, precise, and suitable for both horizontal and vertical installation rails.

Step-by-Step Cutting Process

- **Measure and Mark:** Determine the required length of the rail and mark it clearly.
- **Secure the Rail:** Place the rail in the cutter's slot or against the guide to ensure it is flush and stable....

Article Content

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A Step-by-Step Guide to Wiring an Electrical Panel Box

A Step-by-Step Guide to Wiring an Electrical Panel Box An electrical panel box, also known as a breaker box or a distribution board,

DIN Rails -The Ultimate Guide of All the Essential Information

Yes, rails can be cut to size in random or pattern cuts, depending on your requirements and settings. A random cut requires only one

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