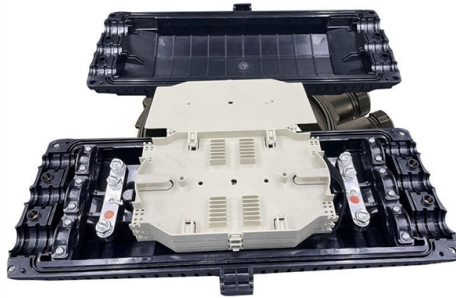


The model number of the distribution box refers to



Overview

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Key Takeaways

A distribution box model number identifies the box's specifications, including its capacity, configuration, and features, helping users and electricians select the right unit for their electrical system. What a Model Number Represents

The model number of a distribution box is a code assigned by the manufacturer to convey key technical details about the unit. It typically includes information such as:

- **Current rating:** The maximum current the box can safely handle, often indicated in amperes (e.g., 20A, 32A) on the breakers or in the model designation .
- **Number of circuits:** How many outgoing circuits or breakers the box can accommodate, which determines how many devices or rooms it can supply .
- **Voltage rating:** The maximum voltage the box is designed for, ensuring compatibility with the building's electrical system .
- **Type of enclosure:** Material and protection level, such as thermoplastics (PC, ASA) or epoxy-coated steel, which affects durability and safety .



- **Special features:** Some model numbers indicate additional capabilities like smart monitoring, dual power inputs, or status indicators (PNP/NPN) for industrial applications .

- **Physical dimensions or cable length options:** In industrial or modular boxes, the model number may include codes for standard cable lengths or mounting configurations .

Why Model Numbers Are Important

- **Safety and compliance:** Ensures the box meets electrical standards for the intended load and environment .

- **Ease of maintenance:** Helps electricians quickly identify the correct replacement or compatible components .

- **System planning:** Assists in designing electrical distribution systems by matching the box's capacity to the building's power requirements .

Practical Example

For instance, a model number like DB-32/4-P might indicate a distribution box rated for 32A, with 4 outgoing circuits, and a plastic enclosure. Manufacturers often provide a datasheet explaining the exact meaning of each segment of the model number . In summary, the distribution box model number is a shorthand for the box's electrical capacity, configuration, and features, allowing users and professionals to select, install, and maintain the correct unit safely and efficiently.

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