

Article Overview

A JXM electrical distribution box is a robust indoor device used to receive, distribute, and protect electrical power in three-phase AC systems.

Overview

The JXM distribution box is designed for three-phase AC 50Hz systems with rated voltages of 220V/380V and currents up to 250A in three-phase four-wire setups. It is suitable for indoor lighting and power distribution circuits with currents of 200A or below. Its primary functions include receiving and distributing electrical energy, overload protection, short circuit protection, and line switching (People's Power) .

Construction and Features

- o Material: The box is made of stainless steel using argon arc welding, ensuring durability and high protection levels.
- o Design: It can be embedded or suspended, offering flexibility for different installation needs.
- o Structure: Compact, sturdy, and easy to maintain, with a novel structure and strong series practicality.
- o Safety: Equipped to handle environmental conditions such as altitudes up to 2000m, temperatures from -40? to +45?, and wind speeds up to 31.5 m/s. It also has earthquake resistance capabilities (horizontal acceleration 2 m/s², vertical 1 m/s²) .

Functionality

The JXM box acts as a central hub for electrical distribution, similar to standard distribution boxes. It contains circuit breakers or fuses to protect circuits from overloads and short circuits, ensuring safe and organized electricity supply. It allows individual control of outgoing circuits, enabling maintenance or isolation without disrupting the entire system .

Applications

- o Residential and commercial buildings for indoor power distribution.
- o Industrial settings where reliable three-phase power management is required.
- o Flexible installations due to its embedded or suspended mounting options. In summary, the JXM electrical distribution box is a versatile, high-protection, and reliable solution for managing and safeguarding electrical circuits in indoor environments, combining safety, flexibility, and ease of maintenance .

What is a JXM electrical distribution box

The above mentioned electrical wiring accessories and protective devices are used to control and

A distribution board (also known as panelboard, circuit breaker panel, breaker panel, circuit breaker, electric panel, fuse box or DB

The JXM type distribution box is suitable for three-phase AC 50Hz, rated voltage 220V/380V, and rated current below 250A in three

Introduction Electrical control panels and distribution boxes are the backbone of modern electrical systems. From

A distribution box, also called an electrical distribution box, distributes incoming power to

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Distribution boards may be designated for three phase or single phase and normal power or emergency power, or designated by use

What is a junction box used for in a commercial electrical system? We cover the differences

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Learn everything you need to know about the Electrical Distribution Box (DB Box). Explore types, materials, installation

Understand distribution boxes (DB boxes) in 5 minutes. Learn about types, components, functions, and uses. Find

The electrical panel--also called a circuit breaker box or service panel--is the central distribution point that connects

An electrical distribution box serves as a centralized unit for distributing electrical power within various structures, effectively

Learn what a power distribution box is, how it works, key components, types, and why it's vital for safe and efficient

A well-chosen distribution box ensures the safety and efficiency of your household electrical system. This article guides

What is a JXM electrical distribution box

An electrical junction box (also known as a " jbox ") is an enclosure housing electrical connections. Junction boxes protect the

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