

What types of industrial secondary distribution boxes are there



Article Overview

Industrial secondary distribution boxes include sub-distribution boards, control distribution boxes, power distribution boxes, and specialized low- or medium-voltage enclosures designed for industrial environments.

Key Types of Industrial Secondary Distribution Boxes

1. Sub-Distribution Boards (SDBs) These boxes receive power from the main distribution board (MDB) and distribute it to specific areas or equipment within an industrial facility. They are commonly used in factories, warehouses, and large commercial buildings to manage localized circuits efficiently . SDBs often include multiple breaker slots, bus bars, and protective devices to ensure safety and reliability. 2. Control Distribution Boxes Designed to integrate control components such as relays, contactors, timers, and programmable logic controllers (PLCs), these boxes manage machinery and automated processes. They are essential in industrial automation and process control, providing centralized control and protection for equipment . 3. Power Distribution Boxes These boxes are intended for heavy-duty power supply to industrial machinery, motors, and equipment. They often support three-phase power and include circuit breakers, fuses, and surge protection devices. Power distribution boxes are built to withstand harsh industrial environments, including dust, moisture, and vibration . 4. Low-Voltage Distribution Boards Operating typically at 400V/690V, these boxes are used for final power distribution within industrial plants. They house circuit breakers, fuses, and protective devices to control and distribute power safely to motors, lighting, and sockets . They can be surface-m...

Article Content

What are the classifications of distribution boxes?

At present, most of the switch cabinets are drawer type. They are suitable for industrial and mining enterprises and high-rise

12 types of distribution boxes and how to choose them

In this guide, we'll break down the 12 main types of distribution boxes in a way that's easy to understand. We'll chat

Ultimate Guide To Distribution Boxes Db Boxes Types

This ultimate guide explains what a distribution box does, its internal components, common types, real

Ultimate Guide To Distribution Boxes Db Boxes Types Components ...

Supports future expansion and system upgrades From residential buildings to industrial plants, DB Boxes play a vital role in modern

Distribution Boxes Types – The Complete Guide

A commonly used distribution box contains doorbells, earth leakage devices, timers, or contact breakers. However, the

Distribution Box: Types and Functions | Axis-Electricals

A distribution box houses all the contact breakers, earth leakage units, doorbells, and timers. The electrical power supply comes from

Primary vs. Secondary Distribution: What Are The Key Differences

Understand the critical distinctions between primary (11kV-33kV) and secondary (400V-1kV) distribution systems,

Power Distribution Boxes Explained Simply

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

10 Distribution Board Types Explained [July 2026]

Discover 10 types of distribution boards, from Main Distribution Boards to Fuse Boxes. Learn about their features, and

Understanding Primary, Secondary, and Tertiary Distribution Boxes

Learn about primary, secondary, and tertiary distribution boxes, their roles in electrical systems, and how they manage power

Power Distribution Boxes: A Complete Overview

This article covers the types, features, and advantages of power DB boxes, as well as their manufacturers

The Meaning and Function of Primary, Secondary, and Tertiary ...

The terms primary, secondary, and tertiary distribution boxes are relative. Let's make an example for clarity: A newly constructed

A Definitive Guide To Distribution Boxes

Power distribution boxes are beneficial because they eliminate the requirement for each output device to be

Primary and secondary power distribution systems (layouts explained)

Electric power distribution systems are designed to serve their customers with reliable and high-quality power. The

Power Distribution in Industries – All You Need to Know

Structure of Power Distribution in Industries In an industrial electric power system, electric power is supplied from either private

Electrical Control Panels & Distribution Boxes: Sizes, Types, and ...

This guide explores control panels, electrical boxes, breaker panels, bus bars, junction boxes, and custom enclosures

What Is a Distribution Box?

If you're going to buy a distribution box, there are several things you should look for. You should choose a distribution

Distribution Box Guide: Types, Components & Solutions

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

Understanding Different Types of Power Box for Industrial Use

Understanding the different types of power box for industrial use is essential when choosing the right one for your

A Complete Guide to Distribution Boards

Read this comprehensive buyer's guide on distribution boards, explaining what they are, their uses, types, how to

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