380V Distribution Box Number



Overview

Three Phase Distribution Box 380V: Complete Selection Guide for. A distribution box rated for 380V can typically operate safely on 400V or 415V supplies.

Key Takeaways

A 380V distribution box is a low-voltage three-phase power distribution cabinet designed for industrial and commercial applications, typically rated for 380V line-to-line voltage and varying current capacities.

Key Features

Voltage and Phase Configuration: 380V distribution boxes are designed for three-phase systems, commonly used in industrial facilities, commercial buildings, and large-scale operations. The 380V rating refers to the line-to-line voltage in a three-phase system, which is standard in many IEC countries and compatible with 400V or 415V systems within ±10% tolerance. Current Ratings: Depending on the model, distribution boxes can handle different current capacities.

For example, the XL-21 series is rated for 380V, 800A, suitable for high-power industrial applications, while smaller models like the YNXM series support currents from 6A to 250A for general power and lighting distribution. Construction and Protection: High-quality cabinets are typically made from cold-rolled steel with electrostatic spray finishes, achieving protection levels like IP54, which safeguards against dust and water splashes. Modular designs allow flexible combinations of circuit breakers, contactors, relays, and measurement instruments, ensuring safety and operational efficiency.

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Applications: These distribution boxes are widely used in power plants, manufacturing facilities, rail transit, aerospace, oil foundries, metallurgy, textile, and commercial buildings. They provide centralized control, overload and short-circuit protection, and motor control functions for industrial equipment. Installation Types: Distribution boxes can be floor-standing, surface-mounted, or flush-mounted, depending on space and operational requirements.

Floor-standing models like XL-21 and SP-XL are common in industrial settings, while modular wall-mounted boxes are suitable for commercial or residential applications. Additional Features: Advanced models may include manual transfer switches, intelligent monitoring, leakage protection, and overload protection, ensuring continuous and safe power supply even in complex industrial environments. Selecting a 380V Distribution BoxWhen choosing a 380V distribution box, consider: Rated current and power requirements of your facility.

Number of circuits and modularity for future expansion. Protection level (IP rating) for environmental conditions. Phase configuration (three-phase three-wire, four-wire, or five-wire systems).

Installation type and available space. Compliance with standards such as GB/T 7251. 3-2017 or IEC low-voltage distribution standards.

By matching these specifications to your operational needs, you can ensure safe, reliable, and efficient power distribution for industrial or commercial applications.

Article Content

Three Phase Distribution Box 380V: Complete Selection Guide for ...

A distribution box rated for 380V can typically operate safely on 400V or 415V supplies, and vice versa, as long as the equipment is designed to IEC standards with appropriate voltage tolerance

Single Line Diagram for DB Systems

The document outlines the electrical distribution system for a facility, detailing protective equipment specifications, cable types, and routing for various distribution boards.

Complete Set 3 Phase Distribution Board 380V Electrical Cabinet ...

Complete sets of distribution boxes, distribution panels, control panels, control boxes, power supply cabinets, electrical cabinets, etc.

XL-21 Low-Voltage Power Distribution Box | 380V 800A | Fulleto Electric

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It serves as the central hub for receiving and distributing electrical energy in low-voltage systems up to 380V. Designed for power plants, substations, industrial enterprises, and commercial buildings, the

SELECT YOUR DISTRIBUTIONSYSTEM

The forms of separation defined by IEC 61439-2 standard are the barriers to be put in place in distribution assemblies to ensure different levels of protection against contact with hazardous parts.

3 phase power distribution box

SX''s 3 phase power distribution box ensures optimal management of 3 phase power voltages. Whether you are dealing with industrial machinery or commercial

Distribution Box and Selection Guide: Internal Structure, Components ...

Learn how to choose a distribution box and understand its internal structure, including MCBs, busbars, neutral bars, earth bars, RCDs, RCBOs, SPDs, enclosure ratings, and wiring layout.

16A 3 4 5pins 220-380V Multiple Industrial Plug Socket Box

16A 3 4 5pins 220-380V Multiple Industrial Plug Socket Box Distribution Box D dyjt001 (117)

Power Box Distribution□In stock□

SX power boxes are engineered to provide dependable power management for a wide range of applications. With built-in safety features and robust construction,

380V Portable Electrical Distribution Box For Welding Machines

Syntax Safety Kit Box 380V for Welding Machines with Residual Current Breaker with Over Load Protection Daisy Chained. Application. The

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SX offers high-quality, customisable power box distribution systems with factory-direct pricing. Reliable, durable, and affordable power solutions tailored to your

380V Distribution Cabinet Electric Board Panel 100A Electrical Circuit ...

380V Distribution Cabinet Electric Board Panel 100A Electrical Circuit Breaker Box, Find Details and Price about Electrical Circuit Breaker Box Distribution Cabinet from 380V Distribution Cabinet

Distribution Box Guide: Types, Components & Solutions

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Understand distribution boxes (DB boxes) in 5 minutes. Learn about types, components, functions, and uses. Find the perfect DB box for your needs.

380V Power Distribution Box Electrical Boxes Panels Board for Building

380V Power Distribution Box Electrical Boxes Panels Board for Building, Find Details and Price about Electrical Boxes Panels Panels Board from 380V Power Distribution Box Electrical Boxes Panels

Complete Set 3 Phase Distribution Board 380V Electrical Cabinet ...

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Distribution Boxes Explained: Types, Functions, and

Learn about distribution boxes, their types, functions, and safety features to ensure efficient and secure electrical power distribution in any building.

custom power distribution box

Custom power distribution box, factory direct! Tailored solutions for high-quality, reliable power distribution. Ideal for specialized industrial and commercial

Electric Distribution Box OEM 380V AC Stainless Steel IP65 Durable ...

Feature highlights: This electric distribution box is designed for durability and safety, featuring a rugged stainless steel build with IP65 protection, suitable for harsh environments. It supports flexible

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

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