XM Cabinet-Type Distribution Box Specifications



Overview

XM Distribution box-Distribution Box-CEA Group International Co., LtdXM Cabinet is widely used in lighting distribution systems of power station,transforme.

Key Takeaways

The XM Cabinet-Type Distribution Box is a low-voltage distribution device designed for indoor and outdoor use, supporting single-phase 220V or three-phase 380V systems with rated currents up to 400A, offering overload, short-circuit, leakage, and undervoltage protection.

Electrical Specifications

Rated Voltage: Single-phase 220V or three-phase 380V/400V AC, 50Hz. Rated Current: Up to 400A for large installations; smaller models like 32A are available for residential or light commercial use. Frequency: 50/60Hz.

Protection Functions: Overload, short-circuit, leakage, undervoltage, and line switching. Applicable Systems: TT, TN, and IT low-voltage power distribution systems.

Structural and Material Features

Body Material: High-quality cold-rolled steel plate or hot-dip galvanized steel; surface treated with epoxy resin electrostatic spraying for durability and corrosion resistance. Construction: Modular design with detachable bottom, mounting brackets, and pre-punched knock-out holes for cable entry/exit. Protection Grade: Typically IP30 for indoor dry environments; outdoor variants available with metal or transparent doors.

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Pollution Level: Grade 3. Installation Types: Surface-mounted, wall-mounted, concealed-embedded, or floor-mounted.

Environmental and Operational Requirements

Ambient Temperature: -5°C to +40°C. Humidity: Up to 50% at +40°C; higher humidity allowed at lower temperatures (e.g., 90% at +20°C),. Altitude: Up to 2000 meters above sea level.

Pollution Grade: Level 3, suitable for industrial and commercial environments.

Functional Variants

Types: Lighting distribution box, small power distribution box, metering box, dual power switching box, signal button box, intelligent building control box, and comprehensive function distribution box integrating lighting and sockets.

Inlet/

Outlet Options: Single inlet, double inlet; upper entry, lower entry, or combined entry/exit. Operation Modes: Door opening or closing operation. Customization: Material, size, logo, packaging, and internal configuration can be customized to meet project requirements.

Compliance and Standards

Standards: GB7251. 1-2005, GB7251. 3-2006, IEC 60439-3 (equivalent to GB7251.

3), ensuring safety and suitability for use by non-professional personnel. Safety Features: Built-in neutral (N) and protective earthing (PE) busbars, anti-theft locks, internal protection plates to prevent accidental contact with live parts.

Applications

Widely used in residential buildings, hotels, factories, mines, airports, railway stations, ports, warehouses, and commercial complexes. Suitable for lighting and small power distribution, line control, and protection in environments accessible to non-professional personnel.

The XM Cabinet-

Type Distribution Box is a versatile, modular, and safe solution for low-voltage power distribution, offering multiple configurations and compliance with international and domestic standards, making it suitable for a wide range of industrial, commercial, and residential applications.

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Article Content

XM Distribution box-Distribution Box-CEA Group International Co., Ltd

XM Cabinet is widely used in lighting distribution systems of power station,transformer station,factory,mine,hotels,apartment,buildings,port,railway station,airport,warehouse,hotels etc.

XM Distribution box-Tongyuan Electric

XM series integrated distribution box/cabinet is suitable for AC frequency 50Hz, rated voltage 220V or 400V single-phase or three-phase five-wire lighting and small power lines, it is used to control,

XM series distribution box equipment

XM series integrated distribution box/cabinet is suitable for AC frequency 50Hz, rated voltage 220V or 400V single-phase or three-phase five-wire lighting and small power lines, it is used to control,

Distribution box

XM type distribution box is a carefully designed distribution equipment by Shuangying Electric for end circuits, suitable for Single phase, three wire, or three wire loads with a constant voltage of 220V or

XM type distribution box-Hengkai Electric Co., Ltd.

XM lighting metering and distribution box is suitable for single-phase, three-wire or three-phase five-wire terminal circuits with rated voltage of 220V or 380V and total load current of single row of not more

XM series distribution box

Whether for new installations or upgrades, the XM series remains a top choice for professionals seeking a high-quality distribution box. This article provides a comprehensive overview of the XM series

XM Type distribution box-First Electric

XM The type distribution box is suitable for single-phase, three wire, or three-phase five wire end circuits with a rated voltage of 220 or 380V and a total current of no more than 80A per row load.

XM distribution box (cabinet)-Chengdu Xingkeda Electrical Equipment ...

XM distribution box (cabinet) XM distribution box is suitable for the power supply and distribution system with frequency of 50/60Hz and rated operating voltage of 380V/220V. It is used for the power

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XM Type Low Voltage Distribution Cabinet-HONWAY Power

XM Type Low Voltage Distribution Cabinet is suitable for single-phase, three-line, or three phase five-wire terminal circuits with a rated voltage of 220 or 380V and a single row of total load current of not

XM Type Low Voltage Distribution Cabinet-Shijiazhuang HONWAY

XM Type Low Voltage Distribution Cabinet is suitable for single-phase, three-line, or three phase five-wire terminal circuits with a rated voltage of 220 or 380V and a single row of total load current of not

MNS® Low Voltage Distribution Board and Power Cabinet

Features ABB distribution board and power Cabinet conform to GB7251.3-2006. Product includes distribution board, lighting control panel, metering panel, and power cabinet., They are suitable for

Distribution Box Specifications And Models

3. Other common distribution boxes XL, GXL series: Low-voltage distribution cabinets, commonly used in construction sites and other places. PXT

Xm Distribution Box

Online Customization Product Overview XM series distribution box is a kind of distribution device designed and assembled into various control functions according to component model, specification

China XM Type Distribution Box 32A 220V

IP30 Power Distribution Cabinet supplier with factory price. Quality XM Type Distribution Box 32A 220V - Customizable Power Distribution Solution for global projects. Contact Gaoboele for custom solutions.

XL-21 Low-Voltage Power Distribution Cabinet: A Comprehensive Guide

Discover the essentials of the XL-21 Low-Voltage Power Distribution Cabinet in our comprehensive guide. Explore key features and benefits that make the XL-21 an indispensable

Low-Voltage Products XM Lighting Distribution Box

The XM Lighting Distribution Box offers efficient, reliable power distribution for lighting systems in residential, commercial, and industrial settings. With robust

Understanding XM Low Voltage Lighting Distribution Box: Your

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Discover the essential guide to XM Low Voltage Lighting Distribution Boxes, designed for homeowners and electricians seeking optimal lighting solutions. This comprehensive article delves

XM Distribution Box – Jufeng Electrical

Description XM distribution box has many characteristics, including flexible and diverse structural design, excellent protection performance and rich and practical functional configuration. 1. Structural

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

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