Portuguese Distribution Box XM Type Configuration



Overview

XM series distribution box equipment XM distribution box The XM(W) distribution box is suitable for single-phase, three-wire, or three-phase five-wire term.

Key Takeaways

The XM series distribution box is a versatile low-voltage distribution solution suitable for single-phase and three-phase systems, offering modular configurations, overload and short-circuit protection, and flexible installation options.

Overview

The X

M type distribution box is designed for safe and reliable power distribution in residential, commercial, and industrial environments. It supports single-phase two-wire, single-phase three-wire, three-phase four-wire, and three-phase five-wire systems with rated voltages of 230V or 400V and currents up to 400A. The box provides overload protection, short-circuit protection, leakage current protection, and circuit switching functionality, making it suitable for areas accessible to non-professionals.

Construction and Materials

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Enclosure: Made of high-quality cold-rolled or electrolytic steel with epoxy resin electrostatic coating for corrosion resistance and durability. Structure: Detachable three-part design consisting of base, mounting bracket, and cover, allowing easy maintenance and installation. Terminals: Equipped with neutral (N) and grounding (PE) terminal blocks.

Knock-out holes on the top and bottom accommodate incoming cables up to 16 mm^2.

Modular Configuration

Miniature Circuit Breakers (MCBs): XM1~2 series can be fitted with various MCBs and 86-type sockets, each with a modular pitch of 18mm, forming complete distribution units. Transparent Cover Option: XM5 series features a transparent cover with an exposed switch handle for easy monitoring of circuit breaker status. Flexible Design: Can be configured as lighting distribution boxes, power control boxes, metering boxes, air conditioning control boxes, water pump control boxes, or fire control boxes depending on project requirements.

Installation MethodsSurface-mounted or concealed-mounted options are available, allowing adaptation to different building structures. The guide rail and switch can be adjusted horizontally and vertically to accommodate uneven wall surfaces during concealed installation.

Applications

The X

M distribution box is widely used in: Residential buildings, high-grade apartments, and office buildingsHotels, hospitals, warehouses, ports, railway stations, and airportsIndustrial and mining enterprises It is suitable for indoor lighting and small power control circuits, ensuring safe and reliable electricity supply for both professional and non-professional users.

Environmental and Operational Requirements

Ambient temperature: -5°C to +40°CHumidity: Up to 50% at +40°C; higher humidity acceptable at lower temperaturesAltitude: Up to 2000 meters above sea levelPollution grade: Third gradeStandards compliance: IEC60349-1, GB7251. 1-2005, GB7251. 3-2006 This configuration ensures that the XM distribution box is robust, flexible, and suitable for a wide range of low-voltage electrical distribution applications in Portugal or similar environments.

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Article Content

XM series distribution box equipment

XM distribution box The XM(W) distribution box is suitable for single-phase, three-wire, or three-phase five-wire terminal circuits with rated voltages of 230V or 400V and rated currents of 250A or less.

XM distribution box

XM series distribution boxes are all metal economical switch boxes, which are widely used in residential buildings, high-grade office buildings, high-grade apartments, industrial and mining enterprises and

XM Distribution box

The multifunctional protective distribution box is suitable for various hotels,buildings,airports, industrial and mining enterprises and other buildings with rated current below 400A is specifically used for

Low Voltage Distribution Box XM

With a simple structure, clear labeling, and easy access, the distribution box ensures safe operation, quick maintenance, and reliable protection for low-voltage electrical systems.

XM Distribution Box – Jufeng Electrical

The general type is suitable for most conventional indoor environments and meets general power distribution and control needs; the outdoor type takes into account the complex outdoor

XM distribution box-Rongtai Automation – Expert in Smart Building ...

The lighting switch distribution box features a detachable three-part structure consisting of a base, mounting bracket, and cover. Inside the box, there are terminal strips for the neutral (N) and earth

XM series distribution box | VoltEdge Energy

They are suitable for indoor lighting and power distribution lines with AC 50Hz, single-phase 220V, three-phase 380V and below, and current of 400A and below. They serve as overload protection,

XM Type distribution box-First Electric

XM Type distribution box 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

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

XM Distribution box XM Cabinet is widely used in lighting distribution systems of power station,transformer
station,factory,mine,hotels,apartment,buildings,port,railway

XM series distribution box_Low voltage complete

It is suitable for indoor lighting and power distribution lines with AC 50Hz, AC single-phase 220V, three-phase 380V and below, and current of 200A and below. It is used for line overload protection, short

XM series distribution box equipment

Overview 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

XM Type Stainless Steel Lighting Distribution Box with protection

XM Type Stainless Steel Lighting Distribution Box with protection Level IP30 Suitable for Indoor Lighting, Homes and Corridors

XM series distribution box_Low voltage complete

Meaning of XM series distribution box model technical parameter Technical parameters of XM series distribution box Product Description The XM type distribution box is made of electrolytic steel plate

Pdx (XM) Distribution Box Quick Delivery Stock Supply for Civilian ...

Functional Versatility: The XM series includes various types such as lighting distribution boards, power control boards, and metering boards. Flexible Installation: Available in wall-mounted configurations.

XM Type Stainless Steel Lighting Distribution Box with protection

Key attributes Rated Voltage 380 V, 220V Rated Current 12A-400A Application Electric Power Transmission, Indoor IP Level IP30 Type Distribution Box Number of Sockets CUSTOMIZABLE Lock

Distribution Boards Market in Portugal | Report

The Portuguese distribution boards market is a mature yet dynamic segment of the nation''s electrical equipment industry, intrinsically linked to the health of its construction, industrial,

Portugal

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Discusses distribution network from how products enter to final destination, including reliability of distribution systems, distribution centers, ports, etc.

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

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Technical inquiry: https://bagyou.es/project-enquiry.html

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

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