

Article Overview

XM series distribution boxes are versatile indoor electrical distribution units designed for residential and commercial applications, supporting single-phase and three-phase systems with comprehensive protection features.

General Specifications

XM series distribution boxes are designed for AC 50Hz systems with voltages of 220V (single-phase) or 380V (three-phase), and rated currents up to 100A for standard residential models, with some industrial variants supporting up to 400A . They provide overload, short-circuit, and leakage protection, ensuring safe operation for indoor lighting and small power distribution . The boxes are suitable for environments with ambient temperatures from -5°C to +40°C, relative humidity up to 50% at 40°C (and up to 90% at 20°C), and altitudes up to 2000 meters .

Installation Methods

XM distribution boxes support two main installation types:

- o Wall-mounted: Surface installation on walls for easy access.
- o Embedded/recessed: Installed within walls for a cleaner appearance . The boxes can be installed with a maximum inclination of 5 degrees and are not suitable for areas with severe vibration, impact, or corrosive environments .

Models and Variants

- o XM1-XM2 Series: Economical switch distribution boxes for single-phase or three-phase systems, compatible with 18mm miniature circuit breakers and 86-type sockets. These models feature a three-part detachable structure (box bottom, mounting bracket, and cover) and include N and PE terminal blocks .
- o XM5 Series: Transparent cover distribution boxes with exposed switch handles for easy observation of circuit breaker status .
- o Industrial/High-Capacity XM Cabinets: Designed for factories, mines, hotels, airports, and large buildings, supporting up to 400A and conforming to IEC60349-1, GB7251.1-2005, and GB7251.3-2006 standards .

Features

- o Material: All-metal enclosures for durability and safety .
- o Cable Entry: Knock-out holes on top and bottom, supporting incoming cables up to 16 mm² .

- o Adjustable Guide Rails: Allow horizontal and depth adjustments to accommodate uneven wall installations .
- o Standards Compliance: IEC 61439-3, GB/T 7251.3, and other relevant international and Chinese standards .
- o Applications: Suitable for residential buildings, office buildings, apartments, workshops, and industrial facilities for lighting and small power distribution .

Additional Information

XM series boxes are designed for easy maintenance and safe operation, with clear labeling and robust enclosures. They can be customized for specific voltage or capacity requirements, and delivery times typically range from 25-30 days depending on order quantity . These features make XM distribution boxes a reliable solution for low-voltage indoor power distribution, combining safety, flexibility, and compliance with international standards.

The document provides an introduction to the XM Breaker Enclosure series by Siemens, detailing its features, specifications, and

XM Distribution box XM series integrated distribution box/cabinet is a series of products developed by our company on the basis of

Description ? XM distribution box has many characteristics, including flexible and diverse structural design, excellent protection

XM Series Low Voltage Distribution Box designed for safe and reliable power distribution in commercial and industrial electrical

Yichang Huake Electric Co., Ltd. specializes in customizable distribution boxes and cabinets, offering diverse specifications for indoor

According to the expected specifications, the power load of 100m² has reached 9kw. Due to the addition of power

XM series indoor lighting distribution box is designed for AC 50Hz, 220V or 380V terminal circuits with

Electrical Distribution CAD files Schneider Electric is a market leader in electrical distribution solutions. We design and manufacture a

Discover the essential guide to XM Low Voltage Lighting Distribution Boxes, designed for homeowners and

XM In-Home Distribution Box Specifications and Models

It is suitable for terminal distribution in public buildings, residential buildings, and home decoration, and can also be used in power

The XM residential distribution box features two installation methods: embedded wall type and wall-mounted type. It is suitable for

Metal Distribution Box Features Continuously welded seams Foam-in-place seamless gasket 120-degree opening heavy-duty

GSDB-4030 400x300x190 3 Phase Service Connection Distribution Box/ ABC Distribution Box 11.

In flammable and explosive environments, explosion-proof distribution boxes should be selected and explosion-proof

Overview XM series integrated distribution box/cabinet is suitable for AC frequency 50Hz, rated voltage 220V or 400V single-phase

Our distribution boxes are perfect for industrial environments, catering to automation, robotics, and processing facilities. They provide

Web: <https://kremgroup.co.za>

