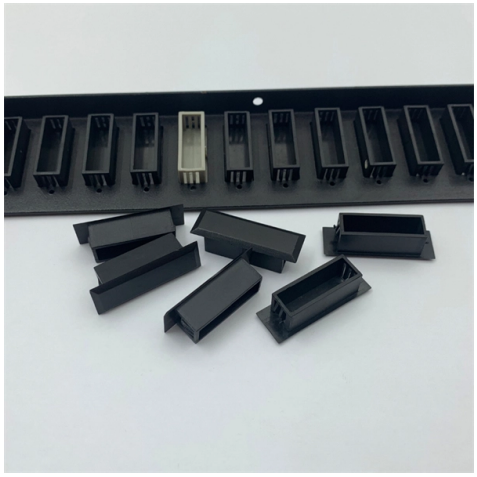
# The distribution box specification is xgm1



## Overview

Custom IP54 Electrical Distribution Box XGM, Power Distribution Box XGM distribution box is suitable for AC 50-60HZ, rated voltage AC 380V below the final.

## Key Takeaways

The XGM1 is a custom IP54-rated electrical distribution box designed for 3-phase power distribution with robust construction and outdoor suitability.

### General Description

The XGM1 distribution box is part of the XGM series of electrical distribution boxes, suitable for lighting and control distribution applications. It is designed for 3-phase power systems and is manufactured with high-quality materials to ensure durability and safety in industrial and commercial environments.

### Construction and Materials

Enclosure Material: Fabricated from 2 mm galvanized steel (GI sheet) for strength and corrosion resistance. Protection Rating: IP54, providing protection against dust ingress and water splashes, making it suitable for outdoor installations. Reinforcement: The body includes sufficient reinforcement with channels for structural stability.

Roof Design: Slightly slanted with a 50 mm overhang to prevent water accumulation. Door and Locking: Equipped with a Godrej Type 3-position locking system and concealed hinges for security and aesthetic purposes. Earthing: Two solid earthing points on either side for safe grounding.

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### Electrical Features

Bus Bars: Copper flat bus bars (e.g., 25x4 mm for 100 KVA LT boxes) with adequate clearance from the enclosure to prevent short circuits.

### MCC

B Provision: Supports one bus bar arrangement with 4-pole MCCB and outgoing feeder arrangements with 2 sets of 3-pole MCCBs. Cable Entry: Heavy-duty, double-compression brass cable glands for incoming and outgoing cables. Insulation: Metallic or heat-resistant insulating barriers between MCCBs to manage fault heat safely.

### Dimensions and Installation

Customizable Dimensions: While standard dimensions are provided, tolerances of ±10% are allowed, and manufacturers may offer custom sizes. Mounting: Designed for wall or pedestal mounting with provisions for secure fixing. Internal Layout: Includes space for bus bars, MCCBs, and optional lighting inside the cabinet for maintenance convenience.

### Compliance and Testing

Standards: Conforms to IS 13947 (Part 2) / 1993 for MCCBs and general electrical safety rules. Type Testing: Products are tested at CPRI or government-approved laboratories to verify IP54 protection and electrical performance. Quality Assurance: Doors, handles, and locks are subject to strict quality control to ensure durability and security.

The XGM1 distribution box is therefore a robust, IP54-rated solution for medium-voltage or low-voltage power distribution, offering secure, weather-resistant housing with flexible installation and compliance with industrial standards.

## Article Content

Custom IP54 Electrical Distribution Box XGM, Power Distribution Box

XGM distribution box is suitable for AC 50-60HZ, rated voltage AC 380V below the final distribution equipment, power distribution box lighting distribution box and control distribution box.

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.

Custom IP54 Electrical Distribution Box XGM, Power Distribution Box

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Product Specification ... Custom IP 54 electric cabinet 3 phase power distribution box ... Purpose XGM distribution box is suitable for AC 50-60HZ, rated voltage AC 380V below the final distribution

Distribution Box Guide: Types, Components & Solutions

What is a Distribution Box? A distribution box, or DB box, is a circuit breaker enclosure. It is a vital part and central hub of any electrical system. The hub distributes electrical power from a

Distribution Boxes Technical Data

Two provided with box. One set provided with box. Dimensions are shown in mm (in.). (1) Replace x with 1 [1 m (3.28 ft)], 2 [2 m (6.56 ft)], 3 [3 m (9.84 ft)], 5 [5 m (16.40 ft)], or 10 [10 m (32.81 ft)] for standard

Distribution boxes – For modular and decentralized solutions

We provide you with information on our distribution boxes for download. Download our product catalog for sensor-actuator cabling and circular connectors or our portfolio overview for FieldPower®

Distribution box catalogue | PDF

This document provides specifications for various distribution boxes including dimensions, mounting sizes, and number of ways. It includes specifications for TOP-TS, TOP-TF, TOP-LS, TOP-PS, TOP

TECHNICAL SPECIFICATION FOR LT DISTRIBUTION BOX

This specification covers the design manufacture, shop testing, loading, transportation and delivery at sub-station site of 33KV, 400Amp, 3Pole & 11KV, 400Amp, 3Pole H.G. Fuse Sets for outdoor

Distribution Boards

Easy Installation of outgoings The design of the pan assembly facilitates the installation of outgoing devices. Availability of mixing Mixing two different types of outgoing devices can be provided in

Electrical Distribution Boxes for Power Distribution | Wieland

The distribution boxes are subject to a type test, which includes EMC, temperature, IP, the IK test and the corrosion test. In addition, a routine test is carried out, which consists of a visual inspection, a

Distribution Boards

Mirage sub-main distribution boards have been designed for easy handling and quick, simple installation

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XL -N 630 3-phase distribution boards XL -N 630 3-phase ...

Extension boxes To be installed on XL3-N 630 distribution boards (at the top or at the bottom) for extra wiring space or additional functions.

DCDB-Specifications_GEM

3. TECHNICAL SPECIFIC TECHNICAL PARTICULARS OF D.C. DISTRIBUTION BOARDS Technical specifications of DCDB box Technical specifications as per available in Scope of work. Internal wiring

L.T. Distribution Box Specification | PDF

The document provides specifications for low voltage distribution boxes used with distribution transformers of various ratings. Key details include: 1) The boxes will be outdoor type made of glass

Eaton XBoard Distribution Box

The Power of Eaton Eaton''s power distribution systems are designed to be as compact and energy efficient as possible while easy access for installation, operation and maintenance. Medium and Low

Distribution Box Guide: Types, Components & Solutions

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

Distribution box | PDF

This document provides specifications for various types of plastic distribution boxes, including their dimensions and features. It describes HA, HK, and LGD series

TECHNICAL SPECIFICATION OF 100 kVA to 2500 kVA, 11/0.433 kV

1.1 The specification covers design manufacture, testing packing and delivery of 3 phase 50 Hz, Dry Type (VPI) distribution transformer of ratings 100, 200,315,630,1000,1250, 1600 And 2500 kVA,

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