Dimensions of the elevator power distribution box



Overview

MBT-MS-Y 380V Elevator Power Distribution Box In MBT-MS-Y 380V Elevator Power Distribution Box In Machine Room Panelboard | Elevator Control Panel | EatonE.

Key Takeaways

Elevator power distribution boxes typically range from 600 mm to 800 mm in width, 400 mm to 600 mm in depth, and 1200 mm to 2000 mm in height, depending on the model and application.

Typical Sizes and Configurations

Elevator power distribution boxes, such as the Mitsubishi X59LX-81 or MBT-MS-Y, are designed to house main controllers, traction motors, door operators, and emergency systems. While exact dimensions vary by manufacturer and model, common wall-mounted enclosures are approximately 600–800 mm wide, 400–600 mm deep, and 1200–1800 mm high, whereas floor-standing or machine-room enclosures can reach up to 2000 mm in height for larger commercial installations. These boxes are built with heavy-duty metal housings, flame-retardant internal wiring, and sealed terminal blocks to protect against dust, moisture, and vibration.

Design Considerations

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Voltage and Current Ratings: Boxes are rated for 110V/220V AC, 24V DC, or higher voltages depending on the elevator system, with main breakers ranging from 20 A to 600 A or more. Mounting Options: Wall-mounted boxes are common for smaller installations, while floor-standing units are used in high-rise or high-capacity elevators. Standards Compliance: Most boxes comply with UL 50, UL 508A, IEC 62208, EN 81, and other international safety standards.

Protection Features: Integrated surge protection, overload prevention, and circuit breakers ensure safe and reliable operation.

Practical Tips

Always verify the manufacturer's datasheet for exact dimensions before installation. Ensure adequate clearance around the box for maintenance and ventilation. Consider modular or expandable designs if future upgrades or additional circuits are anticipated.

In summary, while dimensions vary by model and manufacturer, most elevator power distribution boxes fall within the 600–800 mm width, 400–600 mm depth, and 1200–2000 mm height range, with design features tailored for safety, reliability, and compliance with electrical standards.

Article Content

Panelboard | Elevator Control Panel | Eaton

Eaton''s Elevator Control panelboards provide electric power distribution with integrated fusible switches, metering, and surge protection. Additionally, they''re designed to meet UL 67 and NEMA PB1

Elevator Electrical Equipment Power Distribution and Control ...

Elevator Electrical Equipment Power Distribution and Control Distribution Box Distribution Panel

Elevator Power Distribution Box at ₹ 650/piece

Bhavani Electricals And Traders - Offering Elevator Power Distribution Box,

Elevator control PB panelboard design guide

Special cabinets can be provided at an additional charge. The box dimensions shown are inside dimensions. For outside dimensions, add 0.25-inch (6.4 mm). Standard panelboard boxes are

Distribution box catalogue | PDF

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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

Planning Guide

Furnish main for three-phase electric power and single-phase lighting supply to machine room, following the instructions of the elevator contractors on outlet position and wire size.

ELEVATOR ELECTRICAL DISTRIBUTION PANEL

Specially developed for elevator systems, this electrical distribution panel combines safety, compact design, and high efficiency. Moving beyond the conventional structure of standard distribution panels,

PDU8000 Power Distribution Cabinet-T Quick Guide (02400JPX)

Model Description / Cabinet dimensions (H x W x D): 1800 mm x 600 mm x 300 mm The following figure shows the model naming conventions for a power distribution box.

Elevator Control Switches Product Guide

The Elevator Control Switch comes completely assembled for quick installation, eliminating the labor and time needed to assemble individual components. The smart numbering system helps ensure the

Elevator control panelboard

The elevator control panelboard is ideal for installations with a single feeder to multiple eleva-tors within the same elevator core. Built on the time-proven Cutler-Hammer Pow-R-Line 4F panelboard chassis,

DESIGN REFERENCE FOR ELEVATOR INSTALLATIONS

When power is supplied to multiple elevators in a group through a common feeder, the capacity of the power supply transformer, the size of the feeder, and the current rating of the no-fuse (NF) breaker

Elevator control PB panelboard design guide

The Elevator Control Panelboard is designed to replace multiple components provided in elevator control rooms, thus consolidating and standardizing this area. With the ability to control up to four

SECTION 16442

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SECTION 164XX ELEVATOR SHUNT-TRIP FUSED DISTRIBUTION PANELBOARDS PART 1 GENERAL 1.1 SUMMARY A. Furnish and install shunt-trip fused distribution panel and accessories

Panelboard | Elevator Control Panel | Eaton

Eaton''s Elevator Control panelboards provide electric power distribution with integrated fuse, meter and surge protection. Designed to meet UL67 standards for data center, industrial, commercial and

Bussmann Power Module Panel Elevator Disconnect Data Sheet no.

Product description: The Quik-SpecTM Power Module Panel (PMP) is an all-in-one multi-elevator disconnect switch available in configurations to meet virtually any shutdown and disconnect

Freight Planning Guide US-EN and CA-EN

Dimensions shown are for power operated doors of the regular type with 8''-0" (2438) clear opening height and enclosure height. Changes required if other than the above.

Elevator Control Switches Product Guide

Siemens Elevator Control Switch (ECS) is designed to interrupt incoming AC power upon receiving a signal from a Fire Alarm Control Panel (FACP) for both cable and hydraulic elevators. The Elevator

Elevator Hoistway Dimensions Guide

This document provides specifications for elevator installations including car dimensions, hoistway dimensions, machine room dimensions, entrance heights, maximum travel distances, and rated

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

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