West Asia Low Voltage Distribution Box Model Indication



Overview

Technical Specification of L.T Distribution Kiosk.pdf - Free download as PDF File (.pdf), Text File (.txt) or read online for free.

Key Takeaways

Low-voltage distribution boxes in West Asia are typically identified by series or model names such as SP-JP, MNS®, XL-21, and XM, which indicate their design, capacity, protection features, and compliance with regional and international standards. Common Models and IndicationsSP-JP Series The SP-JP intelligent low-voltage integrated distribution box is designed for rated voltages up to 400V and AC frequency of 50Hz. Its model designation often reflects its intelligent functions, including metering, control, protection, reactive power compensation, harmonic control, and three-phase imbalance adjustment.

It is suitable for outdoor transformer installations up to 500KVA, urban and rural power grids, industrial and mining enterprises, and street lighting systems. The SP-JP series emphasizes IP44 protection, anti-theft, anti-leakage, and lightning protection features, with options for remote monitoring and emergency power supply integration.

AB

B MNS® Series The MNS® low-voltage distribution board and power cabinet are modular and multipurpose, with model indications reflecting welded structure, enclosure material, and protection level. They conform to GB7251. 3-2006 standards and are suitable for wall or floor mounting.

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The model designation may include details about current rating, enclosure type (cold-rolled steel, stainless steel), and IP protection level (IP54 or higher). These cabinets are designed for ease of installation, maintenance, and capacity expansion. XL-21 Series The XL-21 low-voltage power distribution panel supports up to 630A and is certified to IEC60439 and GB standards.

Model indications often specify current rating, modular configuration, and compliance with IEC/GB standards. The XL-21 series is widely used in power plants, substations, chemical, petroleum, metallurgy, machinery, and high-rise buildings. Features include modular design, standardized production, and safety mechanisms like patented latches for pressure release.

XM Series The X

M series is a compact low-voltage distribution box for industrial, commercial, and residential applications. Model indications typically reflect voltage rating, capacity, and customization options.

The X

M series emphasizes robust steel enclosures, clear labeling, and easy access for maintenance, making it suitable for secondary power distribution and motor or lighting load management.

Key Parameters in Model Indication

Rated Voltage and Frequency – Usually 400V, 50Hz for West Asia low-voltage systems. Current Rating – Indicated in amperes (e.g., 630A for XL-21). Protection Level – IP rating (IP44, IP54) for dust and water resistance.

Functionality – Intelligent monitoring, metering, reactive power compensation, overload/short-circuit protection. Installation Type – Wall-mounted, floor-mounted, or outdoor transformer-integrated. Compliance Standards – IEC, GB, or regional equivalents.

Modularity and Expandability – Indicates whether the cabinet supports modular expansion or additional control panels.

Summary

In West Asia, low-voltage distribution box models are identified by series names and alphanumeric codes that reflect their capacity, protection features, installation type, and compliance with standards. Popular models include SP-JP, MNS®, XL-21, and XM, each tailored for specific applications ranging from industrial plants to residential and street lighting systems. Understanding the model indication helps in selecting the appropriate distribution box for safety, reliability, and operational efficiency.

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Article Content

L.T. Distribution Box Specification | PDF | Fuse (Electrical)

Technical Specification of L.T Distribution Kiosk.pdf - Free download as PDF File (.pdf), Text File (.txt) or read online for free. The document provides specifications for low voltage distribution boxes used

A Complete Guide to LV Distribution Board | CHINT global

LV distribution boards, part of the electrical distribution system, securely distribute low-voltage power to facility circuits. Integrated with ACBs and MCCBs, they provide protection from

Low-Voltage Power Distribution and Electrical Installation ...

This comprehensive portfolio for low-voltage power distribution and electrical installation technology covers every requirement – from the switchboard to the socket outlet.

MNS® Low Voltage Distribution Board and Power Cabinet

In designing the distribution board and power cabinet, ABB drew upon its wealth of experience with low-voltage switchgear and placed a strong emphasis on the product''s ease of installation, operations,

DRAFT SPECIFICATION FOR L. T. DISTRIBUTION BOX OF

The tenderer shall submit detailed constructional and dimensional drawing of complete distribution box with details of Porcelain Fuse Units and Composite stud fuse units, incoming and out going circuit

GGD AC Low Voltage Power Distribution Cabinet

SP-JP intelligent low-voltage integrated distribution box has the advantages of strong integrity, small size, attractive appearance, safe and reliable operation, easy maintenance, large selectivity, and

Final Power Distribution Boxes | Product Catalog | CHINT Global

These boxes feature a compact, space-saving design, making them ideal for installations with limited space, while also ensuring easy installation and maintenance.

ABB I Sub distribution boards

Depending on your specific application, our range of sub distribution boards includes solutions with mounting plates and DIN-rails with generous wiring space on both sides and behind the DIN rails.

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Distributor Box

Panasonic Distribution Boxes unique features are Reversible door for flexible installation, dust guard to prevent entry of dust and other particles, front door aesthetics, Pan assembly for easy internal wiring

The complete portfolio for low-voltage power distribution

The consistent concept behind the com-munication-capable components of our low-voltage power distribution range forms a sound basis for the measurement, indication, evaluation and optimization

Low Voltage

Low Voltage Devices Experience Panasonic cutting-edge electrical solutions with Low Voltage Devices. Our Switchgear series includes MCB, MCCB, RCCB,

Data-driven consumer-phase identification in low-voltage distribution ...

Knowing the correct phase connectivity information plays a significant role in maintaining high-quality power and reliable electricity supply to end-consumers. However, managing the

PowerPoint Presentation

LOW VOLTAGE FINAL DISTRIBUTION BOARDS (DB) Technical data: Standard compliance to : MEW S1/IEC 60439-1 IEC 60529 BS 159/IEC IEC 60947 BS 88/IEC 60269 And other relevant standards. :

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

A Data and Model Driven Method for Low-Voltage Distribution Area ...

Therefore, combining the operating mechanism and measured data of distribution areas, this paper presented a data and model driven topology identification method for low-voltage distribution areas.

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

Low Voltage Distribution Box XM

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The Low Voltage Distribution Box is a compact and reliable solution for secondary power distribution in industrial, commercial, and residential applications. Designed with a robust steel enclosure, it safely

MNS® Low Voltage Distribution Board and Power Cabinet

MNS® Low Voltage Distribution Board and Power Cabinet Technical Info — From the sub distribution to factory power supply, from the general industry to the marine, nuclear power plant, MNS® power

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

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