

National Standard Lighting Distribution Box Models and Specifications

Article Overview

National Standard lighting distribution boxes (GB-compliant) include models like PZ30 series, street lamp boxes, and main lighting distribution boards, designed for safe, modular, and versatile electrical distribution.

PZ30 Series Distribution Boxes

The PZ30 Deluxe series is a modular terminal distribution box suitable for residential, commercial, and industrial applications. Key specifications include :

- o Mounting Types: Open wall-mounted, concealed embedded
- o Circuit Capacity: Single-row, double-row, or three-row, supporting 20-80 circuits
- o Wiring Compatibility: Single-phase three-wire or three-phase five-wire systems
- o Protection Features: Leakage prevention, electric shock protection, short-circuit and overload protection
- o Materials: High-quality hot-dip galvanized steel for corrosion resistance, PS transparent plastic for switch operation protection
- o Design: Frame-type guide rails for easy disassembly, wide body for ample wiring space, efficient heat dissipation
- o Certifications: Quality management system certified, GB-compliant for safety and reliability

Street Lamp Distribution Boxes

The SLDZ-4 street lamp distribution box is designed for outdoor lighting systems such as highways, tunnels, and residential areas :

- o Shell Material: Impact-resistant polycarbonate (PC) with German-imported engineering plastic
- o Internal Components: Copper alloy terminals, stainless steel fasteners, spiral miniature circuit breakers, and fuse holders
- o Protection Grade: IP43, Class II
- o Voltage Range: $\leq 500V$, withstand voltage $\geq 2500V/60s$
- o Fuse and Circuit Breaker Compatibility: RLI, RL6, RTI8 fuses, DZA47-60C32A or C65 breakers
- o Installation: Waterproof design with potted insulation for main and branch cables

Main Lighting Distribution Boards (LDB)

DOHO Electric and similar manufacturers provide main lighting distribution boards for industrial, commercial, and residential use :

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- o Customization: Boards can be tailored to specific project requirements
- o Materials: High-quality enclosures and components, ISO 9001-certified manufacturing
- o Testing: Products undergo rigorous testing to meet international standards
- o Applications: Power distribution for lighting systems, ensuring safety, durability, and stable current distribution

General Features Across National Standard Boxes

- o Safety Compliance: GB standards ensure overload, short-circuit, and leakage protection
 - o Durability: Use of galvanized steel, stainless steel, or flame-retardant plastics
 - o Installation Flexibility: Wall-mounted, embedded, or pole-mounted options
 - o Maintenance: Clear labeling, modular design, and user-friendly layouts for easy operation and servicing
- These models provide reliable, standardized solutions for electrical distribution, ensuring safety, compatibility, and long-term operational stability in various applications.

Distribution boards from DOHO are created to deliver both functionality and safety. That's why our products

Lighting Distribution Panel Lighting Panel (LP) sub-distribution boards offer the right low voltage (LV) solution for large buildings by

174 views63 pages BHEL Technical Specs: Distribution Boards This document provides the technical specifications for distribution

AREA & TEMP. CLASS (Reaffirmed 2014) : Ex db IIA, IIB T6 Gb EX tb/tc IIIC T85 C Db/Dc (ZONE 1 & 2 & Zone 21 & 22)

High-quality electrical lighting distribution boxes are indispensable components in modern lighting systems, offering a combination of

The manufacturer of the lighting control panelboard shall be regularly engaged in manufacture of electrical distribution equipment,

It performs well in wet locations with the water-proof rating of IP66. With the maximum carrying capacity of 6000W, it can be applied

Learn how to choose a distribution box and understand its internal structure, including MCBs, busbars, neutral bars,

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These regulations may be based on national standards derived from the IEC 60364: Low-voltage electrical

Product Description Our distribution box serves as a connection and branching box which can be used outdoors. It performs well in

For areas or operations not covered above, refer to the American National Standard A11.1-1965, R1970, Practice for

Distribution is an essential function for the electrical panels, as well as for control and circuit protection. As well as purely technical

1 SCOPE This specification covers City Power's requirements for pole-mounted service distribution boxes for public lighting in

A distribution board (also known as panelboard, circuit breaker panel, breaker panel, circuit breaker, electric panel, fuse box or DB

Features ABB distribution board and power Cabinet conform to GB7251.3-2006. Product includes distribution board, lighting control

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