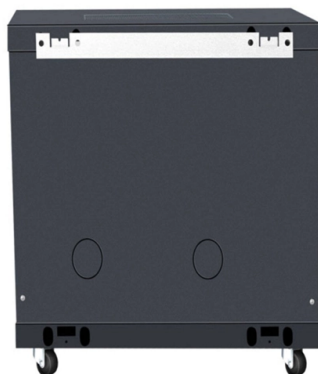


RIVO MULTITRADE OPTICAL SYSTEMS

What are the specifications for plastic distribution boxes



Overview

This document provides specifications for various types of plastic distribution boxes, including their dimensions and features.

Key Takeaways

Plastic distribution boxes are modular enclosures made of flame-resistant ABS plastic, designed to protect electrical components from moisture, dust, and mechanical damage, with dimensions and features varying by series and application. Material and Construction

Plastic distribution boxes are typically made from flame-resistant ABS plastic, providing excellent insulation, impact resistance, and durability for both indoor and outdoor use. Some boxes also incorporate polyurethane or silicone-based sealing foams to ensure moisture and dust protection, maintaining IP and NEMA protection standards. The enclosures are designed to withstand environmental stress, including temperature variations and exposure to weather conditions.

Dimensions and Series

Different series of plastic distribution boxes offer a range of sizes and capacities:

- HA, HK, LGD series: Length 100–415 mm, Width 105–323 mm, Height 75–140 mm.
- MB-ABC series: Length 200–328 mm, Width 172–174 mm, Height 95 mm, supporting modular AC circuits at 220V/380V, 50Hz.

- MB-AF, MB-AS, MB-LF series: Varying dimensions and number of ways (outlets) to accommodate different electrical configurations . These boxes are suitable for residential, commercial, and industrial applications, including construction sites, parking lots, gardens, bathrooms, and outdoor charging stations .

Protection and Standards

Plastic distribution boxes provide waterproof, moisture-proof, dustproof, and smoke-proof protection. They comply with international and national standards such as BS EN60439-3 and JB/T7121-93, ensuring safety and reliability . The sealing foams used in micro-distribution housings allow precise contour sealing, maintaining protection even after repeated opening and closing for maintenance .

Features and Applications

- Modular design: Supports installation of modular combination equipment for AC circuits .
- Sealing: Polyurethane or silicone foams provide high resilience (>95% for polyurethane, >97% for silicone), ensuring long-term sealing performance .
- Outdoor suitability: Temperature-resistant foams protect electronics from extreme weather conditions .
- Versatility: Can be used in homes, high-rise buildings, hospitals, airports, cinemas, and commercial facilities .

Summary

Plastic distribution boxes are versatile, durable, and protective enclosures for electrical systems. Key parameters include material (ABS plastic), dimensions (series-dependent), modularity, protection class (IP/NEMA), and compliance with safety standards. They are designed to ensure safe, reliable, and long-lasting operation in a wide range of environments, from indoor residential use to harsh outdoor conditions .

Article Content

Distribution box | PDF

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Polyethylene 6 Hole and 8 Hole Distribution Box (D-Box) For Septic Drain Fields
Specifications Model no. 6/4/3 (6 hole): 23½" L x

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Product Introduction The Polylok 12" Distribution Box with Solid Lid (PL-DBOX12) is specifically designed

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A distribution box plastic is an essential electrical enclosure designed to house and protect electrical connections, circuit breakers,

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11" pipe seals simplify installation. 11" Interlocking Lid. Heavy-duty Lid is ribbed for added strength and rigidity. Slotted sides interlock

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PZ30 Plastic Electrical Distribution Box meets standards of GB7251.3 and GB17466. The MCB distribution box has a neutral terminal

Materials Matter: Choosing Between Plastic Metal and Composite ...

Conclusion Choosing between plastic, metal, and composite Distribution Boxes comes down to balancing

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Power Distribution Board- GM Modular A distribution board is also known as db board or main distribution board is part of an

ISO 18616-2:2016

Abstract ISO 18616-2:2016 specifies the test methods for handling and managing reusable, rigid plastic distribution boxes. These

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Ex9xg Catalogue 2024

5. Application The Ex9XG series plastic distribution box is suitable for construction sites, outdoor charging stations parking lots,

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D6B Distribution Box | Jensen Infrastructure

Jensen wastewater distribution box is designed for septic drainfield distribution and provides balanced effluent flow to multiple lines.

SANTARY/PLUMBING

Pipe joints and connections to area drains, catch basin, and junction boxes shall possess such leak-proof and seepage-proof

Distribution Boxes

Distribution Boxes Key Features High Thermal Stability - ASA Plastic Transparent Polycarbonate Door UV Stable / Halogen Free

D30 Commercial Distribution Box | Jensen Infrastructure

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