

Waterproof distribution box dimensions and specifications

Article Overview

Waterproof distribution boxes, such as the EKDB10 series, offer IP65 protection, durable plastic construction, and multiple size configurations for industrial and outdoor electrical applications.

Key Specifications

- o Protection Level: IP65, ensuring dust-tight and water-resistant performance suitable for outdoor and industrial environments, with some models rated up to IP68 for submersion protection .
- o Material: High-quality PC (polycarbonate) or ABS plastics, providing mechanical strength, UV resistance, and corrosion resistance .
- o Standards Compliance: IEC60529, IEC62262:2021, IEC60695-2-10:2013, ensuring reliable electrical protection and flammability safety .
- o Layers and Positions: Available in single, double, or triple layers, with 4 to 39 ways/positions for circuit breakers or terminals .
- o Busbars: Some models include neutral and earth busbars for simplified wiring .
- o DIN Rail Compatibility: Many enclosures support DIN rail mounting, allowing flexible installation of modular components .
- o Environmental Resistance: UV-stabilized housings for sun-exposed installations, compression gaskets maintain sealing after repeated openings .
- o Flammability: Housing plastics evaluated per UL 94 standards .

Dimensions

While exact dimensions vary by model and number of positions, EKDB10 series boxes typically offer ample internal wiring space to accommodate multiple circuit breakers or modules. For example, compact models (4-10 ways) are suitable for tight spaces, while larger models (20-39 ways) provide extra room for complex wiring and additional terminals . For precise measurements, manufacturers provide datasheets specifying height, width, depth, and mounting hole positions.

Applications

- o Industrial and commercial electrical distribution
- o Photovoltaic systems and solar installations
- o EV charging stations
- o Outdoor lighting, pumps, and small machinery

Additional Features

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- o Custom sizing and bulk orders are available for specialized installations .
 - o Corrosion-resistant and dustproof design ensures long-term reliability in harsh environments .
 - o Positive-sealing latches and optional vents maintain waterproof integrity while allowing safe operation .
- Waterproof distribution boxes like the EKDB10 series provide a versatile, durable, and safe solution for protecting electrical circuits in both indoor and outdoor applications, with multiple configurations to suit different installation requirements .

Discover EKDB10 IP65 waterproof distribution boxes made of durable PC plastic. Available in 4-39 ways,

Whether you need a waterproof distribution box, an aluminium waterproof box, a plastic waterproof box or a fibreglass box, saipwell

Download DB4 series waterproof distribution box datasheet, manual, and related Final Distribution Box

Each enclosure delivers dependable IP65-IP68 sealing for outdoor and industrial use, with options for

Self-extinguishing 750 °C Polypropylene box Plain cover : polypropylene3 Transparent cover : polycarbonate Halogen free Class II

Product Range Waterproof Distribution Box Series 14 enclosure families across four application groups -- outdoor

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

Distribution Box Space and cost saving solution Amphenol LTW"s distribution boxes facilitate efficient cable management, easy

Model: HT 12W Material: ABS + PC Waterproof Rating: IP65 Size: Approx. 255 x 200 x 110mm / 10 x 7.9 x 4.3in (Length x width x

Outdoor Waterproof Enclosure Box - TSM Series The TSM Series Plastic Distribution Box is designed to provide safe, reliable, and

This document provides specifications for various distribution boxes including dimensions, mounting sizes, and number of ways. It

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ZCEBOX manufactures IP65 & IP66 waterproof distribution boxes for outdoor and industrial applications.

Description: Plastic junction boxes with different shapes and dimensions. Designed for cable lines extension or tapping at cable

Get superior protection with our IP67 ABS Plastic Electrical Junction Box. Waterproof, easy to mount, and perfect for high-humidity

The DB4 Series Waterproof Distribution Boxes offer secure, flame-retardant enclosures with prefabricated rails and

Featuring IP65 ingress protection, IK09 impact resistance, and a durable ABS/PC construction, this series provides a

Web: <https://www.morwarreconst.co.za>

