

10 Distribution Box Dimensions



Overview

Distribution box catalogue | PDF This document provides specifications for various distribution boxes including dimensions, mounting sizes, and number of w.

Key Takeaways

A typical 10-way distribution box measures approximately 19 x 11.5 x 9 cm, suitable for indoor or outdoor installation with IP54/IP65 protection. Standard Dimensions

For a 10-way or 10-pair distribution box, the physical dimensions are generally:

- Length: 19 cm
 - Width: 11.5 cm
 - Height: 9 cm These dimensions are based on standard outdoor boxes with water and dust resistance compliant with IP54 (for general outdoor use) and IP65 (for higher protection in industrial or photovoltaic applications) .
- Material and Construction
- Material: Durable PC (polycarbonate) plastic for mechanical strength and weather resistance .
 - Layers: Available in single, double, or triple layers depending on wiring requirements .

- **Standards Compliance:** Meets IEC standards such as IEC60529, IEC62262:2021, and IEC60695-2-10:2013 for electrical protection and safety .

Applications

- **Indoor/Outdoor Use:** Suitable for industrial, commercial, and photovoltaic installations .
- **Mounting:** Can be wall-mounted or installed in terminal boxes alongside accessories like lightning arresters .
- **Capacity:** Supports 10 ways or 10 pairs of connections, making it ideal for small to medium electrical distribution setups .

Additional Notes

- **Customization:** Some manufacturers offer variations in size and number of ways (from 4 to 39 ways) to accommodate different wiring needs .
- **Future-Proofing:** Modern 10-way boxes are designed to handle higher amperage and pre-wired configurations for ease of installation . These specifications ensure that a 10-way distribution box is compact yet robust, providing reliable protection for electrical circuits while fitting standard installation spaces.

Article Content

Distribution Boxes Technical Data

Summary of Changes
Four-pin, One Signal per Port Cable Connector Distribution Box
Cable Connector Wiring
Cable Connector Four-pin, One Signal per Port Cable with Terminal Block Connector Distribution Box
Mechanical Product Selection
Cable Mechanical (1.3) Additional Resources
Rockwell Automation Support
This publication contains the following new or updated information. This list includes substantive updates only and is not intended to reflect all changes. See more on literature.
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EKDB10 Distribution Box | IP65 Plastic Waterproof

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

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

