

Article Overview

Small distribution boxes are compact electrical enclosures designed to safely distribute power and signals in residential, commercial, or industrial settings.

Overview

Small distribution boxes, also known as sub-distribution or fuse boxes, are used to organize and protect electrical circuits. They are available in surface-mounted or flush-mounted designs and come in various sizes, typically accommodating 1 to 42 modules depending on the model and application . These boxes are essential for structuring electrical installations by floor, room, or specific equipment.

Key Features

- o **Material and Safety:** Many small distribution boxes are made from halogen-free polycarbonate, ABS, or styrene, providing heat and shock resistance. Some models are IP30 to IP40 rated, offering protection against dust and limited moisture .
- o **Modular Design:** Modular systems allow flexible installation of circuit breakers, terminals, and other components. Some boxes include TS35 mounting rails for easy attachment of modules .
- o **Accessibility:** Certain series, like the DISBOX-DA, feature an open design for direct access to internal components, while others have lockable transparent doors for security and visibility .
- o **Environmental Suitability:** Surface-mounted boxes can be used in wet rooms, basements, garages, and indoor areas, with temperature resistance ranging from -25°C to +60°C .
- o **Customization:** Many manufacturers offer customizable housings, terminal options, and labeling systems to match project-specific requirements .

Applications

- o **Residential:** Distributing power to different rooms or floors, protecting circuits with fuses or breakers.
- o **Commercial and Industrial:** Decentralized energy, signal, and data distribution, including smart building automation and I&C applications .
- o **Special Environments:** Moisture-prone areas, workshops, or areas requiring halogen-free materials for fire safety .

Popular Options

- o **Type 10 and 11 Series:** Modular small distribution boxes with various input/output options, available with or without protective breakers .
- o **DISBOX-DA Series:** Surface-mounted, open design, 1-42 modules, halogen-free, with integrated mounting

Small distribution box and

rails and PE/N terminals .

- o Lion Electric 12-Module Box: Surface-mounted, IP40, lockable transparent door, suitable for damp rooms and indoor areas .

- o Eaton xComfort Compact Distribution Boxes: Flush-mounted, 1-5 row options, expandable terminals, and integrated cable management for residential and commercial use .

Conclusion

Small distribution boxes provide a safe, flexible, and modular solution for electrical distribution in various environments. When selecting a box, consider module capacity, mounting type, IP rating, material, and environmental suitability to ensure compliance with safety standards and project requirements.

Buy directly online: a wide range of compact power distribution units with various inputs and outputs,

The Priority Mail Flat Rate Small Box is about the same size and shape as three stacked DVD cases.

In one of our high-quality installation small distribution boxes, which you can easily mount,

A distribution box built to make the work easier for the electrical contractor. This electrical distribution box can be flush-mounted or

Our small distribution boxes in the type 10 and type 11 series, in particular, offer a large range of options for

Kamtop Surface-Mounted Distribution Box, 2 Rows 36 Modules - IP65 Fuse Box, Small Distribution Box for Outdoor Use, Garden,

Function of small Distribution box: leakage of electricity, overload, short-circuit. Application: widely used in low voltage distribution

They offer a reliable solution when space-saving and user-friendliness matter. Thanks to their compact

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Small distributor IP65: the package contains 2 small distributors, supplied with 4 fittings, the ability to keep products closed and make

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Small distribution box and

Starting from compact boards for energy distribution applications up to floor standing energy supplying switchboards for huge sites of

A distribution board controls and protects multiple circuits, while a distribution box usually

Small Cell AC Power Distribution Cabinets - Electrical cabinets (also known as power distribution boxes) from L-Com are UL67

Mounting rails smaller designs The surface-mounted distribution boxes of the DISBOX-DA series are produced in 6 different sizes.

Understand distribution boxes (DB boxes) in 5 minutes. Learn about types, components,

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