Distribution box with side sockets



Overview

Equipped or empty socket combinations and fuse box solutions for factories, construction sites, and workshops. Built for safety and durability!

Key Takeaways

A distribution box with a side-mounted socket provides flexible power access while housing circuit protection and connection terminals in a robust enclosure.

Overview

A distribution box with side sockets is designed to safely distribute electricity from a main power source to multiple devices while offering convenient access to outlets on the side of the enclosure. These boxes are commonly used in construction sites, industrial plants, and decentralized building installations where multiple devices need to be connected in a compact and organized manner.

Key Features

Socket Types: Many side-mounted distribution boxes include Schuko sockets, IEC/CEE sockets, or a combination, often fused for safety. Some models also include earth fault protection (FI switches) and circuit breakers for added safety. Enclosure: Typically made from impact-resistant, chemical-resistant plastic or rotomoulded polyethylene, providing IP44 or higher protection for outdoor or harsh environments.

Mounting Options: Can be wall-mounted, placed on a stand, or used as a portable unit. Some models include carrying handles and knock-outs for cable entry. Connection Capacity: Designed to accommodate copper or aluminum cables with cross-sectional areas ranging from 10 mm^2 to 35 mm^2, depending on the current rating.

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Power Ratings: Available in single-phase or three-phase configurations, with ratings from 16A up to 63A, suitable for loads from small tools to high-power equipment.

Applications

Construction Sites: Temporary power distribution for tools and machinery. Side sockets allow easy access without opening the main panel. Industrial Plants: Decentralized power distribution close to machines or workstations, reducing cable runs and improving safety.

Smart Buildings: Integration with building automation systems for flexible energy and signal distribution. Exhibition or Event Spaces: Compact boxes like 'THE CUBE' provide side sockets for exhibitors while keeping the main panel protected.

Advantages

Ease of Access: Side-mounted sockets allow quick connection of devices without interfering with the main distribution panel. Safety: Fused sockets and protective switches reduce the risk of overload or short circuits. Flexibility: Can be customized with different socket types, pre-wired or ready-to-connect variants, and optional labeling for specific applications.

Durability: Weatherproof and impact-resistant enclosures ensure long-term use in demanding environments. In summary, a distribution box with side sockets combines safety, accessibility, and flexibility, making it ideal for temporary or permanent installations where multiple devices need reliable power access in a compact and protected form factor.

Article Content

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Power Distribution Box

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Description Portable Socket Distribution Box IP67 Product overview Easy to carry, provide flexible power output Implementation standard: DINVDE0623 IEC60309-2 Protection level: IEC60529 IP67 Click to

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