

Distribution Box AP-4



Overview

4 Way Mini Breaker Box Indoor Plastic Power Distribution Board Widely employed in low - voltage distribution networks, it serves as a reliable power source.

Key Takeaways

The AP-4 distribution box is a 4-row or 4-module electrical enclosure designed for surface or flush mounting, suitable for indoor, outdoor, and damp environments with IP65 protection. Overview and Specifications

The AP-4 distribution box is a compact electrical enclosure used for housing fuses, circuit breakers, and other modular devices. It is available in both surface-mounted (Aufputz) and flush-mounted (Unterputz) versions, depending on installation requirements . The box typically features:

- Rows/Modules: 4 rows or 4 modules (TE), allowing installation of multiple single- or multi-pole circuit breakers .
- Protection Class: IP65, making it moisture-proof and dust-tight, suitable for damp rooms like cellars, garages, bathrooms, or outdoor areas .
- Material: High-quality, halogen-free, UV-stable plastics such as ASA or polycarbonate for the door, ensuring durability and weather resistance .
- Pre-wiring Options: Some models, like the AMIGO AP-4, come pre-wired and equipped with PE/N terminals, FI-extension clamps, and surge protection, simplifying installation in residential or commercial settings .

- Cable Entries: Prefabricated entries on all sides for easy wiring .
- Lockable Door: Many AP-4 boxes feature a transparent or steel door with optional lock for safety and security .

Applications

AP-4 distribution boxes are versatile and can be used in:

- Residential buildings: For distributing power to multiple circuits in homes, apartments, or garages .
- Damp or wet rooms: Bathrooms, cellars, or areas with high humidity, thanks to IP65 sealing .
- Outdoor installations: Gardens, terraces, or solar PV systems, with rated voltage up to 1000 V in some models .
- Industrial or commercial settings: For small-scale automation, KNX systems, or EMC-sensitive applications .

Key Features

- Modular DIN rail compatibility for easy installation of circuit breakers, residual current devices, and other modular components .
- High impact resistance and chemical/weather resistance for long-term durability .
- Flexible door and frame design, allowing easy replacement or addition of locks .
- Compliance with standards such as DIN VDE 0603-1 and DIN 43871 for safety and reliability . In summary, the AP-4 distribution box is a robust, versatile, and weather-resistant solution for safely distributing electrical power in both residential and industrial environments, particularly where moisture or outdoor exposure is a concern.

Article Content

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