

Article Overview

The ALH6kW Distribution Box features a high-strength, fully enclosed PC material housing, compatible with both cable and bus bar connections, designed for safe, reliable operation in control and protection applications.

Enclosure and Construction

The ALH6kW Distribution Box uses a high-strength polycarbonate (PC) enclosure with a fully enclosed structure, ensuring protection against environmental factors and mechanical stress . The design supports both square and round holes, allowing flexible installation of cables and bus bars. The box is suitable for control, protection, and measurement applications, providing a compact and aesthetic solution for electrical distribution .

Electrical and Operational Features

- o Power Rating: 6 kW, suitable for low-voltage distribution systems.
- o Compatibility: Can accommodate multiple bus bars and cables, with perforations designed for one core-through turn, supporting up to six bus connections .
- o Safety: The fully enclosed design minimizes the risk of high-voltage exposure and ensures stable operation in data centers or industrial environments .
- o Modularity: Components can be easily separated for assembly, transport, and maintenance, allowing flexible integration into existing systems .

Installation and Maintenance

- o Mounting Options: Flexible side or panel mounting is possible, saving space in confined installations .
- o Troubleshooting: Integrated LEDs or indicators (depending on configuration) facilitate quick diagnostics and reduce wiring errors .
- o Durability: Designed to withstand harsh environments, with resistance to mechanical stress and environmental media .

Applications

The ALH6kW Distribution Box is ideal for:

- o Industrial control panels
- o Data center power distribution
- o Low-voltage protection and measurement systems
- o Modular electrical installations requiring safe and reliable bus and cable connections This combination of



ALH6kW Distribution Box Specifications

robust construction, flexible connectivity, and operational safety makes the ALH6kW Distribution Box a reliable choice for modern low-voltage distribution applications .

We provide you with information on our distribution boxes for download. Download our product catalogue

1. Scope: The Specification covers design, manufacturing, factory testing and supply of "L.T. Distribution Boxes" with Switch

Technical Info -- From the sub distribution to factory power supply, from the general industry to the marine, nuclear power plant,

The connection of the circuit-breaker auxiliary circuits must be made via the terminal box mounted inside the operating mechanism

The Eskom Range of Metering and Distribution Kiosks PPS has been extensively audited and has worked closely with Eskom's

Protection rating IK code 16 products (16 Variants) 30 60 90 Item no. 2008840 Distribution box, 3 division units, with terminal strip,

This specification covers the design, manufacture, testing at works, and supply of Distribution Boxes made

In flammable and explosive environments, explosion-proof distribution boxes should be selected and explosion-proof

This document provides specifications for various types of plastic distribution boxes, including their

KV 1. DESCRIPTION OF MATERIALS:- The L.T. Distribution Cabinets shall be installed on D.P. Structure for Plinth Mounted 33/4

Distribution boxes, also known as electrical distribution boards or panels, are pivotal components in electrical systems, ensuring the

Compact final distribution boxes for safe, accessible, and precise power control across all electrical environments.

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It performs well in wet locations with the water-proof rating of IP66. With the maximum carrying capacity of



ALH6kW Distribution Box Specifications

6000W, it can be applied

Sufficient knockout features in box wrapper and gland plate ensure easy routing of cables. Easy to remove knockouts and gland

Metal Distribution Box Features Continuously welded seams Foam-in-place seamless gasket 120-degree opening heavy-duty

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

