M1 Complete Distribution Box Specifications

Overview

Exact12 distribution boxes for safety applications connect up to eight safe actuators in addition to eight standard sensors. They meet the EN ISO 13849-2 requirements.

Key Takeaways

The M1 Complete Distribution Box is a compact, multifunctional low-voltage distribution unit designed for outdoor and pole-mounted applications, offering protection, metering, and control functions.

General Description

The M1 distribution box is an intelligent integrated unit that combines multiple functions such as power distribution, control, protection, metering, and reactive compensation. It is designed for low-voltage side distribution of outdoor pole transformers and is suitable for both residential and commercial installations. The box is compact, aesthetically designed, and economical while providing reliable performance.

Material and Construction

Housing Material: Polycarbonate reinforced with glass fiber, ensuring durability and resistance to environmental conditions. Protection Class: Typically designed to meet IP65–IP67 standards, providing protection against dust and water ingress. Finish: Smooth, weather-resistant surface suitable for outdoor installation.

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Functional Features

Protection: Includes short circuit, overload, overvoltage, and leakage protection mechanisms. Metering: Compatible with Cat-M1 meters and other low-voltage metering devices. Control and Switching: Supports modular installation for switching and branching of circuits.

Reactive Compensation: Some models include reactive power compensation for improved efficiency. Cable Connections: Supports inlet and outlet cables ranging from 0. 5 to 10 mm² using secure “PUSH IN” or insulation displacement connections.

Compliance and Certification

Standards: Conforms to GB7251. 1-2005 and other international low-voltage distribution standards. Certification: Passed 3C certification, ensuring safety and reliability for global deployment.

Dimensions and Installation

Compact Design: Small footprint suitable for pole-mounted or wall-mounted installations. Cable Length Options: Standard cable lengths available in 1 m, 2 m, 3 m, 5 m, or 10 m depending on installation requirements. Modularity: Can be configured with additional modules for signal or power distribution, including M8 and M12 sensor-actuator connections.

Applications

Outdoor low-voltage distribution for residential, commercial, and industrial areas. Pole-mounted transformer connections. Modular signal and power distribution in decentralized systems.

Integration with smart metering and energy management systems. The M1 Complete Distribution Box is therefore a versatile, certified, and robust solution for modern low-voltage distribution needs, combining protection, metering, and control in a single compact unit.

Article Content

M1,Meter Boxe,Enclosures | Allbro

Width (mm): 465 Depth (mm): 200 450 x 320 x 210 1|2022-10-13:04:00 {Power Generation and Distribution} {Commercial and Residential} {Telecommunications} EnclosuresMeter BoxesM1

PASSIVE DISTRIBUTION BOXES

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H96 Max M1 PLUS Android TV Box | 8K UHD, Voice

The H96 Max M1 PLUS Android TV Box is built to deliver next-generation entertainment with robust performance, powered by the RK3528 chipset and the

Distribution box catalogue | PDF

It includes specifications for TOP-TS, TOP-TF, TOP-LS, TOP-PS, TOP-PF, and TOP-S distribution boxes that range from 1-way to 36-ways. Dimensions included are length, width, and height. -

Distribution boxes – For modular and decentralized

We provide you with information on our distribution boxes for download. Download our product catalog for sensor-actuator cabling and circular connectors or our

Distribution Box and Selection Guide: Internal Structure, Components ...

Learn how to choose a distribution box and understand its internal structure, including MCBs, busbars, neutral bars, earth bars, RCDs, RCBOs, SPDs, enclosure ratings, and wiring layout.

Distributor boxes | Phoenix Contact

Use distributor boxes for quick and clear cabling in the field. Distributor boxes bundle several cables into one master cable that is connected to the controller.

1MB-P | Specialty electrical boxes | EFab | Wire & Cable Management ...

Single Gang Masonry Box, 22.0 Cubic Inches, 3-3/4 Inches Long x 1-7/8 Inches Wide x 3-1/2 Inches Deep, 1/2 Inch and 3/4 Inch Concentric Knockouts, Galvanized Steel, Welded Construction, with #12

Distribution Box

Distribution Box Space and cost saving solution Amphenol LTW''s distribution boxes facilitate efficient cable management, easy installation with pre-wired configuration, and provides a centralized

OEM Famous Cat-M1 meter Manufacturers – Intelligent Integrated ...

Our products are greatly acknowledged and reliable by users and may fulfill repeatedly shifting financial and social wants forOEM Famous Cat-M1 meter Manufacturers –Intelligent Integrated Distribution

Final Common technical specifications for 25/63/100 kVA L.T ...

1. Scope: The Specification covers design, manufacturing, factory testing and supply of “L.T. Distribution Boxes” with Switch disconnector and Porcelain Fuse units for protection and control of 25/63/100

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Customization of a complete distribution box

Learn the step-by-step process of customizing complete distribution boxes tailored to your needs. From requirement confirmation to design, production, and testing, find out how to get a

ABB Consumer Units & Distribution Boards

This document provides information on ABB''s consumer units and distribution boards, including ordering details. It describes various product lines for consumer units, such as Comby, Protecta,

TECHNICAL SPECIFICATION FOR LT DISTRIBUTION BOX

General Technical Particulars for LT Distribution Boxes : - The L.T. Distribution Boxes should be of the dimensions as per the drawing & details in the table furnished.

L.T. Distribution Box Specification | PDF

The document provides specifications for low voltage distribution boxes used with distribution transformers of various ratings. Key details include: 1) The boxes will be outdoor type made of glass

M1 Abrams

The M1 Abrams (/ ˈeɪbrəmz /) is a third-generation American main battle tank designed by Chrysler Defense (now General Dynamics Land Systems) and

Distribution box catalogue | PDF

This document provides specifications for various distribution boxes including dimensions, mounting sizes, and number of ways. It includes specifications for TOP-TS, TOP-TF, TOP-LS, TOP-PS, TOP

Distribution Boxes Types – The Complete Guide

The power distribution boxes deliver electricity from the main electrical main to other circuits. Several distribution boxes are designed for specific use in offices or industries. Types of

Related Video Reference

This video was associated with the source search result. Verify technical details against current product documentation and project requirements.

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

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