ZITHA TECH SPECIALTY CABLES (Pty) Ltd

Fire protection dual power distribution box model



Overview

QHSQ Distribution Boxes | GOHO SwitchgearQHSQ dual-power distribution cabinets are suitable for power plants, industrial and mining enterprises, and commer.

Key Takeaways

The D8 module from LifeSafety Power and the PA0261000022 Dual Universal Distribution Box are key models for dual power distribution in fire protection systems.LifeSafety Power D8 Module

The D8 power distribution module is designed to expand FlexPower power supplies, providing 8 auxiliary power outputs, each individually protected by a fuse (D8) or solid-state circuit breaker (D8P) for safety and reliability . Key features include:

• Dual-voltage support: Each output can be programmed to 12V or 24V DC, indicated by OutSmart color-changing LEDs (12V/Green, 24V/Blue).

• Modular expansion: Multiple D8 modules can be daisy-chained to increase output capacity.

• Installation-friendly design: Snap-in mounting standoffs and fast-on connect cables simplify field installation.

• Durable construction: Fiberglass PCB and high-efficiency circuitry reduce heat generation, extending service life and lowering MTBF.

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• Integration system: FlexConnect® architecture allows easy interconnection with power supplies and accessory boards, using common mounting footprints and dual bus distribution. This module is ideal for fire alarm and life safety systems requiring reliable dual-voltage power distribution and modular scalability.

Gilbarco PA0261000022 Dual Universal Distribution Box (D-Box)

The PA0261000022 D-Box is a dual universal distribution box designed for connecting two fuel dispensers simultaneously, but its architecture demonstrates principles applicable to fire protection systems requiring dual power distribution . Features include:

• Dual-dispenser support: Connects two systems efficiently, maximizing space and operational efficiency.

• Universal fit: Compatible with multiple models, ensuring flexibility in system integration.

• Streamlined installation: Designed for easy setup and maintenance, reducing downtime.

• Durable and cost-effective: Remanufactured for quality and reliability, providing a lower-cost alternative without compromising performance.

• Reliable integration: Acts as a hub for efficient communication with control systems.

BIM Models for Design Integration

For engineers and designers, Eaton and BIMobject provide Revit-compatible BIM models for dual power distribution boxes . These models allow:

• Accurate system design: Integrate distribution boxes into fire protection layouts digitally.

• Custom configuration: Request models for configured-to-order products.

• Enhanced coordination: Reduce rework and accelerate project delivery with automated drawings and specifications.

Summary

For fire protection systems requiring dual power distribution, the LifeSafety Power D8 module is highly suitable due to its dual-voltage outputs, modular expansion, and robust protection features. The PA0261000022 D-Box offers a versatile, cost-effective solution for dual connections and system integration. For design and planning, BIM models from Eaton or BIMobject facilitate accurate digital integration into fire protection layouts. These options ensure reliability, safety, and ease of installation in critical life safety applications.

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