

Active Motor Distribution Box



AI Overview

An Active Motor Distribution Box is a centralized point for distributing electrical power to multiple motors, often including protection and disconnect features for safe operation.

Overview

An Active Motor Distribution Box serves as a hub for distributing electrical power to one or more motors, typically ranging from 1 to 4 motors per box. It is designed to work in conjunction with motor branch circuit protection, ensuring that each motor is safeguarded against overloads or short circuits. These boxes are commonly housed in non-metallic NEMA 4X enclosures, providing protection against dust, water, and harsh industrial environments, and are rated for 600V with current capacities such as 115A or 175A depending on the model (M-Tech Control) .

Key Features

- **Motor Power Distribution:** Provides a centralized point to connect multiple motors efficiently, reducing wiring complexity and installation time .
- **Protection Options:** Can include fused or non-fused disconnects, with disconnect ratings available in 30A, 60A, or 100A, allowing safe isolation of motors for maintenance .
- **Durable Enclosure:** NEMA 4X enclosures ensure resistance to corrosion, moisture, and dust, making them suitable for indoor and outdoor industrial applications .
- **Voltage and Current Ratings:** Typically rated for 600V and available in different amperage configurations to match motor requirements

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