

MMF-06H24SS-CX5 MELCO Technorex 24VDC 60mm 3-Wire Fan Datasheet



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Category: Axial & Centrifugal Fans

Price: \$29.99

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Product Description

The MELCO Technorex MMF-06H24SS-CX5 is a specialized axial fan unit engineered for critical thermal regulation within industrial electronics and power conversion systems. Operating on a 24VDC platform, this component integrates a high-efficiency motor drive system that delivers 0.09A of current, effectively balancing airflow performance with energy consumption. The aerodynamic profile of the impeller blades is designed to overcome system impedance, providing substantial static pressure essential for densely packed inverter housings and variable frequency drives. Constructed with durable materials to withstand thermal cycling, the fan ensures structural rigidity and long-term operational stability. Its 3-wire interface facilitates speed monitoring, allowing for precise integration into feedback control loops found in sophisticated automation equipment, ensuring optimal thermal management under varying load conditions.

Model Number: MMF-06H24SS-CX5

Brand: MELCO Technorex (Mitsubishi Electric)

Product Type: Axial Cooling Fan

Rated Voltage: 24VDC

Rated Current: 0.09 A

Power Consumption: 2.16 W

Frame Size: 60mm x 60mm

Thickness: 25mm (Standard Industrial Form Factor)

Termination: 3-Wire (Lead Wires)

Signal Output: Speed Sensor (Tachometer)

Bearing Type: Precision Sleeve System

Airflow Direction: Axial

Housing Material: Industrial Grade Thermoplastic

Blade Material: Industrial Grade Thermoplastic

Mounting Type: Flange Mount

Application: Inverter Cooling

Operating Temperature Range: -10°C to +60°C

This cooling unit is primarily utilized within Mitsubishi variable frequency drives and inverter systems to dissipate heat generated during power conversion processes. The MMF-06H24SS-CX5 ensures that sensitive semiconductor components remain within safe thermal operating limits, preventing thermal shutdown in industrial automation setups. Maintenance engineers frequently deploy the MMF-06H24SS-CX5 in server cabinets, CNC control panels, and power supply units where reliable forced air convection is required to maintain system integrity and prolong equipment lifespan.

Supplemental Images

