DA04010B24HR Yimeng 24VDC 40x40x10mm 3-Wire Axial Fan Datasheet

SKU: 717767997350

Category: Axial & Centrifugal Fans

Price: **$13.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/da04010b24hr-yimeng-24vdc-40x40x10mm-3-wire-axial-fan

Product Description

The Yimeng DA04010B24HR is a precision-engineered DC Axial Fan designed for high-density electronic cooling applications requiring minimal thermal impedance. This unit features a robust Double Ball Bearing architecture, ensuring exceptional rotational stability and extended operational lifespan under continuous load. The aerodynamic impeller design optimizes airflow efficiency within the compact 40mm chassis, maintaining structural rigidity while delivering consistent static pressure. Engineered for industrial reliability, the DA04010B24HR integrates a 3-wire interface for precise speed monitoring, making it an ideal solution for thermal management in sensitive power electronics and inverter systems.

Model Number: DA04010B24HR
Brand: Yimeng
Product Type: DC Axial Fan
Rated Voltage: 24VDC
Voltage Range: 14.0 - 27.6 VDC
Rated Current: 0.07 A
Power Consumption: 1.68 W
Rated Speed: 6500 RPM
Bearing Type: Double Ball Bearing
Max. Air Flow: 7.2 CFM (12.2 m^3/h / 0.20 m^3/min)

Max. Static Pressure: 3.5 mmH_2O (34.3 Pa / 0.14 inH_2O)
Dimensions: 40 x 40 x 10 mm
Weight: 18 g
Life Expectancy: 50,000 Hours @ 40°C
Termination: 3-Wire (Lead Wires)
Housing Material: PBT (UL94V-0)
Impeller Material: PBT (UL94V-0)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Speed Sensor: Tachometer Output (FG)
Mounting Orientation: Any

The DA04010B24HR is specifically calibrated for deployment in compact industrial environments where space constraints and thermal reliability are paramount. Primary utilization includes active cooling for variable frequency drives (VFDs) and solar inverters, where the DA04010B24HR ensures critical component longevity by dissipating heat from power transistors. Additionally, this model is frequently integrated into server rack cooling modules, network switches, and precision medical instrumentation requiring consistent airflow monitoring via the third-wire signal interface.

Supplemental Images