

06025SS-24Q-AL-D1 NMB 24VDC 60x60x25mm 3-Wire Axial Fan Datasheet



Brand: NMB

SKU: [986726103424](#)

Category: Axial & Centrifugal Fans

Price: **\$13.99**

E-mail: sales@equipspares.com

Web: <https://www.equipspares.com>

Product Page:

<https://www.equipspares.com/product/06025ss-24q-al-d1-nmb-24vdc-60x60x25mm-3-wire-axial-fan>

Product Description

The NMB 06025SS-24Q-AL-D1 is a precision-engineered DC Axial Fan designed for critical thermal management in industrial environments. Manufactured by NMB (MinebeaMitsumi), this unit leverages advanced aerodynamic impeller geometry to minimize turbulence while maximizing static pressure capabilities. The core architecture features a robust Double Ball Bearing system, ensuring exceptional rotational stability and reduced friction, which directly correlates to an extended operational lifespan and lower thermal impedance. Constructed with high-grade UL94V-0 plastic components, the fan maintains structural rigidity under thermal stress. The integration of a 3-wire interface supports advanced monitoring, specifically providing a Locked Rotor Alarm signal to safeguard system integrity during failure conditions.

Model Number: 06025SS-24Q-AL-D1

Brand: NMB

Product Type: DC Axial Fan

Rated Voltage: 24 VDC

Voltage Range: 14.0 - 27.6 VDC

Rated Current: 0.17 A

Power Consumption: 4.08 W

Rated Speed: 5500 RPM

Bearing Type: Double Ball Bearing

Max. Air Flow: 26.5 CFM (45.0 m³/h / 0.75 m³/min)
Max. Static Pressure: 8.6 mmH₂O (84.3 Pa / 0.34 inH₂O)
Dimensions: 60 x 60 x 25 mm
Weight: 70 g
Life Expectancy: 100,000 Hours at 25°C
Noise Level: 38.0 dB(A)
Housing Material: PBT Plastic (UL94V-0)
Impeller Material: PBT Plastic (UL94V-0)
Termination: 3-Wire Leads
Sensor Output: Locked Rotor Alarm (AL)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Ingress Protection: IP40
Safety Certifications: UL, CSA, TUV, CE

The 06025SS-24Q-AL-D1 is widely utilized in high-density electronic enclosures where reliability is paramount. Common applications include cooling power supply units (PSUs) in server racks, thermal regulation in CNC machinery control panels, and ventilation for medical diagnostic equipment. The compact 60mm footprint allows the 06025SS-24Q-AL-D1 to fit seamlessly into 1U and 2U chassis configurations, while the alarm signal output makes it an ideal choice for mission-critical telecom infrastructure requiring active fault detection.

Supplemental Images

