

2410SB-04W-B59-B00 NMB 12VDC 60x60x25mm Axial Fan Datasheet



Brand: NMB

SKU: [977603193020](#)

Category: Axial & Centrifugal Fans

Price: **\$14.99**

E-mail: sales@equipspares.com

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

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Product Description

The NMB 2410SB-04W-B59-B00 is a precision-engineered DC axial fan designed for critical thermal management in industrial electronics. Manufactured by MinebeaMitsumi (NMB-MAT), this unit features a robust dual ball bearing system that significantly reduces friction coefficient and enhances rotational stability over extended operational lifecycles. The aerodynamic impeller design optimizes airflow efficiency while maintaining structural rigidity under high-speed operation. Housed in a flame-retardant PBT frame, the fan integrates a 3-wire interface with a locked rotor alarm signal, providing essential feedback for system monitoring and failure prevention in high-density electronic enclosures.

Model Number: 2410SB-04W-B59-B00

Brand: NMB-MAT (MinebeaMitsumi)

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Operating Voltage Range: 6.0 - 13.8 VDC

Rated Current: 0.20 A

Input Power: 2.40 W

Rated Speed: 4600 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 23.0 CFM (39.0 m³/h / 0.65 m³/min)

Max. Static Pressure: 5.6 mmH₂O (54.9 Pa / 0.22 inH₂O)

Dimensions: 60 x 60 x 25 mm

Weight: 55 g

Noise Level: 34.0 dB-A

Termination: 3-Wire (Lead Wire)

Output Signal: Locked Rotor Alarm Sensor

Housing Material: PBT (UL94V-0)

Impeller Material: PBT (UL94V-0)

Operating Temperature: -10°C to +70°C

Life Expectancy: 100,000 Hours (at 25°C)

Mounting Hole Distance: 50.0 mm

Designed for high-reliability environments, the 2410SB-04W-B59-B00 serves as a critical cooling component in variable frequency drive (VFD) inverters and industrial automation chassis. Its compact 60mm footprint allows for seamless integration into server racks, telecommunications equipment, and power supply units where space is constrained but airflow cannot be compromised. The 2410SB-04W-B59-B00 is particularly effective in preventing thermal throttling in continuous-duty electronics, ensuring optimal performance in CNC machinery control panels and medical instrumentation.

Supplemental Images

