

3610ML-05W-B49-L05 NMB 24VDC 92x25mm Sensor Axial Fan Datasheet



Brand: NMB

SKU: 653300270420

Category: Axial & Centrifugal Fans

Price: **\$17.99**

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Product Page:

<https://www.equipspares.com/product/3610ml-05w-b49-l05-nmb-24vdc-92x25mm-sensor-axial-fan>

Product Description

The NMB 3610ML-05W-B49-L05 is a precision-engineered axial fan designed for critical thermal management in industrial electronics and automation systems. Utilizing MinebeaMitsumi's advanced ball bearing technology, this unit ensures minimal friction and extended operational longevity under continuous load conditions. The aerodynamic impeller design optimizes static pressure capabilities while maintaining a balanced acoustic profile, making it ideal for high-density enclosures where airflow efficiency is paramount. Its robust construction features a UL94V-0 rated thermoplastic housing, providing essential structural rigidity and thermal resistance. This specific model is calibrated for 24VDC operation, delivering consistent airflow to mitigate thermal impedance in sensitive components like variable frequency drives, servo amplifiers, and CNC power supplies.

Model Number: 3610ML-05W-B49-L05

Brand: NMB-MAT (MinebeaMitsumi)

OEM Part Number: A90L-0001-0488 (Fanuc)

Product Type: Axial Fan

Rated Voltage: 24VDC

Operating Voltage Range: 12.0 - 27.6 VDC

Rated Current: 0.16 A

Input Power: 3.84 W

Rated Speed: 3600 RPM

Bearing Type: Dual Ball Bearing
Max. Air Flow: 54.0 CFM (91.7 m³/h / 1.53 m³/min)
Max. Static Pressure: 5.8 mmH₂O (56.9 Pa / 0.23 inH₂O)
Dimensions: 92 x 92 x 25 mm
Weight: 95 g
Life Expectancy: 100,000 Hours at 25°C
Noise Level: 39.0 dB(A)
Housing Material: Plastic (UL94V-0)
Impeller Material: Plastic (UL94V-0)
Termination: 3-Wire Lead with Connector
Sensor Type: Tachometer / Alarm Signal (L05)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Ingress Protection: IP20
Insulation Resistance: 10M Ohm at 500VDC
Dielectric Strength: 700VAC for 1 sec
Protection: Auto Restart / Polarity Protection
Mounting Orientation: Any

Designed specifically for industrial automation, the 3610ML-05W-B49-L05 serves as a critical cooling component in Fanuc CNC systems and servo amplifier modules. Its precise airflow characteristics make it the designated replacement for the A90L-0001-0488 part number found in heavy-duty inverters and power supply units. By maintaining optimal operating temperatures, the 3610ML-05W-B49-L05 prevents thermal throttling in control cabinets, ensuring the reliability of machining centers, robotic controllers, and telecommunication racks where sustained 24VDC cooling is mandatory.

Supplemental Images

