

2410ML-04W-B89-ER1 NMB 12VDC 60x60x25mm IP68 Axial Fan Datasheet



Brand: NMB

SKU: [957927092536](#)

Category: Axial & Centrifugal Fans

Price: **\$16.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/2410ml-04w-b89-er1-nmb-12vdc-60x60x25mm-ip68-axial-fan>

Product Description

The NMB 2410ML-04W-B89-ER1 is a precision-engineered Axial Fan designed for critical thermal management in harsh industrial environments. Utilizing advanced DC motor technology paired with a robust Dual Ball Bearing architecture, this unit ensures minimal friction and extended operational longevity under continuous load. The chassis features a fully potted stator design, achieving an IP68 ingress protection rating, effectively mitigating the risks associated with moisture, water immersion, and dust intrusion. Its aerodynamic impeller profile is optimized to reduce thermal impedance while maintaining structural rigidity under high static pressure conditions. The integration of a fault alarm sensor (ER1) provides real-time status monitoring, essential for maintaining system integrity in mission-critical applications.

Model Number: 2410ML-04W-B89-ER1

Brand: NMB-MAT (MinebeaMitsumi)

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 6.0 - 13.8 VDC

Rated Current: 0.70 A

Input Power: 8.40 W

Rated Speed: 6800 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 38.5 CFM (1.09 m³/min)
Max. Static Pressure: 13.4 mmH₂O (131 Pa / 0.53 inH₂O)
Dimensions: 60 x 60 x 25 mm
Ingress Protection: IP68 (Dust Tight, Waterproof)
Noise Level: 49.0 dBA
Sensor Type: Locked Rotor Alarm Sensor (ER1)
Termination: 3-Wire Lead
Housing Material: PBT Plastic (UL94V-0)
Blade Material: PBT Plastic (UL94V-0)
Operating Temperature: -10°C to +70°C
Life Expectancy: 70,000 Hours at 40°C
Mounting Orientation: Any

This robust cooling solution is specifically engineered for deployment in demanding industrial environments where reliability is paramount. The 2410ML-04W-B89-ER1 is frequently utilized in outdoor telecommunications enclosures, CNC machinery, and industrial automation control panels exposed to moisture or particulate matter. Its waterproof capabilities make it ideal for marine electronics and ruggedized server racks requiring active cooling. By integrating the 2410ML-04W-B89-ER1, engineers ensure consistent thermal regulation in systems requiring active fault monitoring and protection against environmental ingress.

Supplemental Images

