

3610KL-04W-B59-E52 NMB-MAT 12VDC 92x92x25mm 3-Wire Axial Fan Datasheet



Brand: NMB

SKU: [998432802655](#)

Category: Axial & Centrifugal Fans

Price: **\$16.99**

E-mail: sales@equipspares.com

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Product Description

The NMB-MAT 3610KL-04W-B59-E52 is a precision-engineered DC Axial Fan designed for critical thermal management in industrial and computing environments. Utilizing advanced Double Ball Bearing architecture, this unit ensures superior structural rigidity and extended operational longevity under continuous load conditions. The aerodynamic impeller design optimizes airflow dynamics to minimize thermal impedance, delivering high-static pressure performance essential for dense component cooling. Engineered with a robust PBT frame and a 3-wire interface for speed monitoring or alarm signaling, the 3610KL-04W-B59-E52 maintains stability and efficiency, making it an ideal solution for demanding applications requiring reliable heat dissipation and consistent air delivery.

Model Number: 3610KL-04W-B59-E52

Brand: NMB-MAT (MinebeaMitsumi)

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 6.0 - 13.8 VDC

Rated Current: 0.43 A

Input Power: 5.16 W

Rated Speed: 3600 RPM

Bearing Type: Double Ball Bearing

Max. Air Flow: 61.8 CFM (105 m³/h / 1.75 m³/min)

Max. Static Pressure: 6.8 mmH₂O (66.7 Pa / 0.27 inH₂O)

Dimensions: 92 x 92 x 25 mm

Weight: 95 g

Life Expectancy: 60,000 Hours (at 25°C)

Noise Level: 42.5 dB(A)

Termination: 3-Wire Leads

Wire Function: +12V (Red), GND (Black), Sensor/Tach (White/Yellow)

Housing Material: Reinforced Plastic (UL94V-0)

Impeller Material: Reinforced Plastic (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Ingress Protection: IP20

Mounting Orientation: Any

This high-performance cooling solution is specifically engineered for power conversion and industrial electronics, including variable frequency drives (VFDs), inverters, and uninterruptible power supplies (UPS). The 3610KL-04W-B59-E52 excels in environments where consistent airflow is required to prevent thermal throttling in sensitive power components. Additionally, the 3610KL-04W-B59-E52 is frequently utilized in rack-mounted server chassis, CNC machinery, and telecommunications equipment, providing the necessary static pressure to overcome resistance from heatsinks and tightly packed circuitry.

Supplemental Images

