

3115RL-05W-B66-EQ5 NMB 24VDC 80x80x38mm Axial Fan Datasheet



Brand: NMB

SKU: 991909165424

Category: Axial & Centrifugal Fans

Price: \$35.99

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Product Page:

<https://www.equipspares.com/product/3115rl-05w-b66-eq5-nmb-24vdc-80x80x38mm-axial-fan>

Product Description

NMB 3115RL-05W-B66-EQ5 is a 24VDC 80x80x38mm Axial Fan optimized for high-density thermal management in industrial automation environments. This high-static pressure cooling solution features a brushless DC motor with dual ball bearing architecture, ensuring structural rigidity and reduced thermal impedance during continuous 24/7 operation. Engineered for the ABB ACS880 series VFD, it utilizes a 4-wire PWM control interface to modulate its 5300RPM rated speed, delivering a robust 62.23 CFM of airflow to mitigate heat soak in power electronics. The 0.50A current draw and specialized aerodynamic impeller design allow it to overcome the high system impedance typical of compact inverter housings.

Model Number: 3115RL-05W-B66-EQ5

Brand: NMB Technologies

Product Type: Axial Fan

Rated Voltage: 24VDC

Voltage Range: 10.0 - 27.6 VDC

Rated Current: 0.50A

Power: 12.0W

Rated Speed: 5300 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 62.23 CFM (1.76 m³/min)

Max. Static Pressure: 9.81 mmH₂O (96.24 Pa)

Dimensions: 80x80x38mm

Weight: 190g

Life Expectancy: 70,000 Hours (L10 at 40°C)

Speed Control: PWM Control / Tachometer Output

Termination: 4-Wire Lead Wires

Housing Material: Plastic (UL94V-0)

Blade Material: Plastic (UL94V-0)

Insulation Resistance: 10M Ohm min. at 500VDC

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Protection Features: Polarity Protection, Locked Rotor Protection

OEM Part Number: 3AUA0000070398

Applications & Industry Use Cases

1. ABB ACS880 VFD Maintenance: Ideal replacement fan for maintaining the thermal integrity of ABB ACS880 frequency converters, specifically designed to match the original 3AUA0000070398 specifications for seamless integration.
2. High-Impedance Industrial Enclosures: The 38mm deep frame provides the necessary torque and static pressure to force air through densely packed 2U rackmount chassis and control cabinets where airflow resistance is high.
3. Power Supply Cooling: Utilized in heavy-duty industrial power supplies where low-vibration and high-MTBF components are required to prevent catastrophic component failure.

Supplemental Images

