03010SS-12N-BL-Y1 NMB 12VDC 30x30x10mm 3-Wire Axial Fan Datasheet

Brand: NMB

SKU: 999738747994

Category: Axial & Centrifugal Fans

Price: **$20.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/03010ss-12n-bl-y1-nmb-12vdc-30x30x10mm-3-wire-axial-fan

Product Description

The NMB 03010SS-12N-BL-Y1 is a compact axial cooling solution engineered for high-density industrial electronics requiring precise thermal management. Utilizing Minebea's advanced motor technology, this 30mm unit delivers consistent airflow with optimized static pressure, ensuring efficient heat dissipation in restricted enclosures. The design incorporates a robust bearing architecture that minimizes friction and enhances structural rigidity, resulting in prolonged operational life and reduced acoustic signatures. Its aerodynamic impeller geometry is specifically calibrated to overcome high thermal impedance, making it an ideal component for mission-critical safety drivers and precision instrumentation.

Model Number: 03010SS-12N-BL-Y1
Brand: NMB-MAT (Minebea)
Product Type: DC Axial Fan
Equivalent Model: 1204KL-04W-B59
Rated Voltage: 12VDC
Voltage Range: 10.2 - 13.8 VDC
Rated Current: 0.11 A
Input Power: 1.32 W
Rated Speed: 9500 RPM
Max. Air Flow: 3.88 CFM (6.6 m^3/h / 0.11 m^3/min)

Max. Static Pressure: 4.8 mmH_2O (47 Pa / 0.19 inH_2O)
Dimensions: 30x30x10mm
Bearing Type: Dual Ball Bearing
Noise Level: 29.0 dB(A)
Termination: 3-Wire (Lead Wire)
Signal Output: Alarm / Tachometer Signal
Housing Material: Plastic (UL94V-0)
Blade Material: Plastic (UL94V-0)
Operating Temperature: -10°C to +70°C
Life Expectancy: 60,000 Hours (at 40°C)
Safety Protection: Impedance Protection, Reverse Polarity
Weight: 8.5 g

Designed for versatility, the 03010SS-12N-BL-Y1 is frequently integrated into compact server racks, industrial safety drivers, and telecommunications equipment where space is at a premium. The 03010SS-12N-BL-Y1 ensures reliable thermal regulation in CNC control modules and medical diagnostic devices, preventing thermal throttling in sensitive electronic components.

Supplemental Images


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