SCND54Z4PM-932 Servo 54VDC 120x120x38mm Axial Fan Datasheet

SKU: 910181439202

Category: Axial & Centrifugal Fans

Price: **$87.99**

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Product Page:
https://www.equipspares.com/product/scnd54z4pm-932-servo-54vdc-120x120x38mm-axial-fan

Product Description

The Nidec Servo SCND54Z4PM-932 is a robust industrial cooling solution designed for specialized high-voltage DC applications. Engineered with a precision DC brushless motor and a durable dual ball bearing system, this axial fan delivers exceptional thermal management capabilities while maintaining a low vibration profile. The unit features a reinforced thermoplastic housing and an aerodynamically optimized impeller, ensuring consistent airflow and structural rigidity under continuous operation. With a specific rating of 54VDC, it is tailored for telecommunications and industrial power environments where standard voltage fans are insufficient. The design prioritizes longevity and reliability, offering a significant reduction in thermal impedance for critical electronic components.

Model Number: SCND54Z4PM-932
Brand: Nidec Servo (Japan Servo)
Product Type: DC Axial Fan
Rated Voltage: 54 VDC
Voltage Range: 48.0 - 56.0 VDC
Rated Current: 0.18 A
Power Consumption: 9.72 W
Rated Speed: 2950 RPM
Bearing Type: Dual Ball Bearing

Max. Air Flow: 105.0 CFM (178.4 m^3/h)
Max. Static Pressure: 8.4 mmH_2O (82.3 Pa)
Dimensions: 120 x 120 x 38 mm
Weight: 280 g
Life Expectancy: 60,000 Hours @ 40°C
Housing Material: PBT (UL94V-0)
Impeller Material: PBT (UL94V-0)
Termination: 2-Wire Lead
Operating Temperature: -10°C to +70°C
Storage Temperature: -30°C to +70°C
Ingress Protection: IP20
Motor Protection: Locked Rotor Protection, Reverse Polarity

The SCND54Z4PM-932 is primarily deployed in telecommunications infrastructure, specifically within 54VDC power supply units and network switching equipment. Its robust design makes it ideal for cooling server racks and high-density data center modules where continuous uptime is required. Furthermore, the SCND54Z4PM-932 is utilized in industrial automation control panels and CNC machinery, providing essential airflow to prevent thermal throttling in sensitive electronics.

Supplemental Images