4394M ebmpapst 24V 0.11A 2.8W 120mm DC Axial Fan

SKU: 4394M

Price: $111.10

Categories: Fans

Tags: ebmpapst

Product Link:
https://www.elecspares.com/product/4394m-ebmpapst-24v-0-11a-2-8w-120mm-dc-axial-fan/

Product Description

The ebmpapst 4394M is a highly reliable DC Axial Fan built in a compact 120 x 120 x 32 mm size. Operating on 24 V DC with low power consumption (2.8 W), this fan is optimized for quiet operation (39 dB(A)) and robust performance. Its durable metal housing and 24V compatibility make it an ideal and common cooling solution for industrial Variable Frequency Drives (VFDs) and power converters where reliable, low-noise heat extraction is required.

4394M Fan Parameters
Model: 4394M
Manufacturer: ebmpapst
Type: DC Axial Fan
Series: 4000M Series (Metal Housing)
Dimensions: 120 x 120 x 32 mm
Nominal Voltage: 24 V DC
Operating Voltage Range: 18 V DC to 30 V DC
Rated Current: 0.11 A
Rated Power Consumption: 2.8 W
Speed: 2300 RPM
Max. Airflow (Free Air): 118 m^3/h (69.45 CFM)
Max. Static Pressure: 10 Pa (0.04 inAq)
Noise Level: 39 dB(A)
Weight: 0.22 kg (220 g)
Protection Rating: IP20 (Standard, higher options available on request)
Electrical Protection: Protected against reverse polarity and locked rotor
Bearing Type: Ball Bearing (Maintenance-free)

Motor Design: Electronically Commutated (EC) / Brushless DC Motor
Termination: 2 Wire Leads
Signal Output: None (Standard 2-wire)
Housing Material: Die-cast Aluminum (Metal)
Impeller Material: Metal (Aluminum)
Life Expectancy: 60000 h (at 40 °C)
Min. Ambient Temperature: -20 °C
Max. Ambient Temperature: 75 °C
Certifications: CE, UL, VDE

Application
The ebmpapst 4394M is primarily designed for industrial power electronics and motor control systems. Its shallow 32mm depth and 24V DC compatibility make it a standard choice for integration into Variable Frequency Drives (VFDs), inverters, and large industrial power supplies. The durable metal construction ensures the fan can withstand the typical heat and vibration within a motor control cabinet, providing reliable, low-noise cooling for sensitive IGBTs or heat sinks.

Product Images


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