

4118N/12-192 ebmpapst 48V 94mA 4.5W DC Axial Fan

SKU: 4118N/12

Price: \$36.93

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/4118n-12-192-ebmpapst-48v-94ma-4-5w-dc-axial-fan/>

Product Description

The ebmpapst 4118N/12-192 is a high-performance DC Axial Fan with dimensions of 119 x 119 x 38 mm. It operates on a nominal voltage of 48 VDC with a wide operating range of 36 VDC to 72 VDC. The fan achieves a speed of 3200 RPM, consuming 4.5 W of power and drawing a maximum current of 0.094 A. It delivers a maximum air flow of 165 m³/h (97.12 CFM) and a maximum static pressure of 125.0 Pa (0.50 inAq). This 5-blade fan features a durable Ball Bearing system, an IP20 protection rating, and 3-wire termination for speed monitoring, making it ideal for standard 48V telecom and industrial applications.

4118N/12-192 Fan Parameters

Model: 4118N/12-192

Manufacturer: ebmpapst

Type: DC Axial Fan

Dimensions (measuring): 119 x 119 x 38 mm

Nominal Voltage: 48 VDC

Voltage Range: 36 VDC ~ 72 VDC

Speed: 3200 RPM

Power Consumption: 4.5 W

Current Draw: 0.094 A

Max. Airflow: 165 m³/h (97.12 CFM)

Max. Static Pressure: 125.0 Pa (0.50 inAq)

Noise Level: 49 dB(A)

Weight: 0.35 kg

Housing Material: Die-cast aluminium

Impeller Material: Glass fiber reinforced plastic (PA)

Number of Blades: 5

Bearing Type: Ball Bearing

Motor Design: Brushless DC Motor, Electronically Commutated

Motor Protection: Electronic protection against reverse polarity and locking

Termination: 3 Wire Leads

Monitor Output: Yes (Tachometer/FG)

Degree of Protection: IP20

Service Life L10 at 40 °C: 62500 h

Min. Ambient Temperature: -20 °C

Max. Ambient Temperature: 70 °C

Approvals: VDE, CSA, UL, CE, CCC

Application

The ebmpapst 4118N/12-192 fan is designed for reliable and energy-efficient cooling within standard 48V DC systems, offering a good balance of airflow and noise performance. Primary applications for the 4118N/12-192 include cooling telecommunications equipment, networking gear, compact server racks, and industrial controllers requiring low-power, wide-voltage-range DC cooling with speed monitoring.

Product Images









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