4314/2U ebm-papst 24VDC 119x119x32mm IP68 Axial Fan Datasheet

Brand: ebmpapst

SKU: 649988693582

Category: Axial & Centrifugal Fans

Price: **$289.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/4314-2u-ebm-papst-24vdc-119x119x32mm-ip68-axial-fan

Product Description

The ebm-papst 4314/2U is a precision-engineered DC axial fan designed for demanding industrial environments requiring rigorous ingress protection. Utilizing an advanced external rotor motor configuration, this unit optimizes aerodynamic efficiency while maintaining a compact footprint. The construction features a fiberglass-reinforced plastic housing (PBTP) ensuring structural rigidity and resistance to thermal stress. Equipped with a maintenance-free ball bearing system, the 4314/2U delivers consistent performance with low thermal impedance. Its IP68 rating signifies complete protection against dust and continuous submersion, making it an ideal solution for harsh operational conditions where reliability is paramount.

Model Number: 4314/2U
Brand: ebm-papst
Product Type: DC Axial Fan
Rated Voltage: 24 VDC
Voltage Range: 12.0 - 28.0 VDC
Rated Current: 210 mA
Power Consumption: 5.0 W
Rated Speed: 2800 RPM
Bearing Type: Ball Bearing
Max. Air Flow: 100.1 CFM (170 m³/h / 2.83 m³/min)

Max. Static Pressure: 7.9 mmH_2O (78 Pa / 0.31 inH_2O)
Dimensions: 119 x 119 x 32 mm
Weight: 0.22 kg
Ingress Protection: IP68
Noise Level: 45 dB(A)
Housing Material: PBT Plastic (UL94V-0)
Impeller Material: PA Plastic (UL94V-0)
Operating Temperature: -20°C to +75°C
Life Expectancy (L10 at 40°C): 60,000 Hours
Termination: Lead Wires
Direction of Rotation: Clockwise (viewed toward rotor)
Airflow Direction: Exhaust over struts

This robust cooling solution is specifically engineered for high-reliability applications such as the KUKA C4 robot controller systems and industrial automation cabinets. The 4314/2U excels in telecommunications infrastructure, outdoor power supplies, and renewable energy inverters where moisture and dust are prevalent. By integrating the 4314/2U into sensitive electronic enclosures, operators ensure thermal stability for critical components in CNC machinery and medical instrumentation subject to wash-down procedures.

Supplemental Images


4314 /2U
24V ⎓ DC 210mA 5W ST2
(12 - 28V ⎓ DC)
+ RD -BU SENSOR:WH
IP68
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