3314/17-183 ebmpapst 24VDC 92x92x32mm Alarm Axial Fan Datasheet

Brand: ebmpapst

SKU: 991219198497

Category: Axial & Centrifugal Fans

Price: **$342.86**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/3314-17-183-ebmpapst-24vdc-92x92x32mm-alarm-axial-fan

Product Description

The ebm-papst 3314/17-183 is a precision-engineered Axial Fan designed for critical thermal management in industrial environments. Utilizing advanced DC motor technology, this unit delivers consistent airflow while maintaining low power consumption of 2.4W. The chassis is constructed from fiberglass-reinforced plastic (PBTP), ensuring high structural rigidity and resistance to environmental stress. Its aerodynamic blade design minimizes turbulence, thereby optimizing thermal impedance reduction across heat sinks and electronic components. Equipped with a specialized alarm signal output (/17), the 3314/17-183 provides real-time status monitoring, making it an essential component for systems requiring high reliability and active fault detection.

Model Number: 3314/17-183
Brand: ebm-papst
Product Type: DC Axial Fan
Rated Voltage: 24 VDC
Voltage Range: 18.0 - 28.0 VDC
Rated Current: 100 mA
Power Input: 2.4 W
Rated Speed: 2650 RPM
Bearing Type: Ball Bearing
Max. Air Flow: 47.1 CFM (80 m^3/h / 1.33 m^3/min)

Max. Static Pressure: 3.57 mmH_2O (35 Pa / 0.14 inH_2O)
Dimensions: 92 x 92 x 32 mm
Weight: 190 g
Life Expectancy: 70,000 Hours @ 40°C
Speed Control: Alarm Signal (Sensor /17)
Noise Level: 37 dB(A)
Housing Material: PBT Plastic, Fiberglass Reinforced (UL94V-0)
Impeller Material: PA Plastic, Fiberglass Reinforced (UL94V-0)
Operating Temperature: -20°C to +75°C
Termination: 3-Wire Leads
Ingress Protection: IP20
Insulation Class: Class E
Direction of Rotation: Clockwise viewed from rotor
Airflow Direction: Struts to Hub (Exhaust)
Motor Protection: Reverse Polarity, Locked Rotor Protection

This cooling solution is specifically engineered for high-demand applications such as variable frequency drive (VFD) inverters and industrial automation control panels. The 3314/17-183 excels in maintaining optimal operating temperatures within compact enclosures, preventing thermal throttling in sensitive electronics. Additionally, the 3314/17-183 is widely utilized in telecommunications equipment and server rack cooling modules where continuous operation and failure detection via the alarm signal are paramount for system uptime.