EFB0812EH-R00 Delta 12VDC 80x80x25mm Alarm Sensor Axial Fan Datasheet

Brand: Delta

SKU: 1012544726796

Category: Axial & Centrifugal Fans

Price: **$14.99**

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Product Page:
https://www.equipspares.com/product/efb0812eh-r00-delta-12vdc-80x80x25mm-alarm-sensor-axial-fan

Product Description

The Delta EFB0812EH-R00 is a precision-engineered DC Axial Fan designed for critical thermal management applications requiring sustained airflow and durability. Utilizing advanced brushless DC motor technology paired with a robust Two Ball Bearing architecture, this unit ensures minimal friction and extended operational lifespan under continuous load. The aerodynamic impeller geometry is optimized to reduce thermal impedance while maintaining structural rigidity at high rotational speeds. Its integrated R00 Rotation Detector (Locked Rotor Alarm) provides essential feedback for system monitoring, making it an ideal solution for industrial environments demanding consistent cooling performance and active fault detection capabilities.

Model Number: EFB0812EH-R00
Brand: Delta Electronics
Product Type: DC Axial Fan
Rated Voltage: 12 VDC
Voltage Range: 7.0 - 13.8 VDC
Rated Current: 0.42 A
Input Power: 5.04 W
Rated Speed: 5000 RPM
Bearing Type: 2 Ball Bearing
Max. Air Flow: 57.21 CFM (1.620 m^3/min)

Max. Static Pressure: 7.92 mmH_2O (77.6 Pa / 0.312 inH_2O)
Dimensions: 80 x 80 x 25.4 mm
Weight: 86 g (3.03 oz)
Life Expectancy: 70,000 Hours at 40°C
Noise Level: 42.5 dB-A
Output Signal: R00 (Rotation Detector / Locked Rotor Alarm)
Termination: 3-Wire Lead (Red +, Black -, Blue Sensor)
Housing Material: Plastic (UL 94V-0)
Impeller Material: Plastic (UL 94V-0)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +75°C
Insulation Resistance: >10 Megohm at 500 VDC
Dielectric Strength: 500 VAC for 1 Minute
Protection: Locked Rotor Protection, Polarity Protection

Designed for high-density electronic enclosures, the EFB0812EH-R00 excels in environments such as server racks, telecommunications equipment, and industrial automation control panels where reliable heat dissipation is paramount. The specific airflow characteristics of the EFB0812EH-R00 make it suitable for forced convection in power supplies and CNC machinery, ensuring components remain within safe operating temperature ranges during intensive processing cycles.

Supplemental Images