AFB0812HH-R00 Delta 12VDC 80x80x25mm Alarm Signal Axial Fan Datasheet

Brand: Delta

SKU: 917803951789

Category: Axial & Centrifugal Fans

Price: **$14.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/afb0812hh-r00-delta-12vdc-80x80x25mm-alarm-signal-axial-fan

Product Description

The Delta AFB0812HH-R00 is a DC Axial Fan engineered for critical thermal management in industrial environments. Utilizing an advanced DC brushless motor architecture paired with a precision two-ball bearing system, this unit ensures minimal friction and extended operational longevity under continuous load. The aerodynamic impeller design is optimized to reduce thermal impedance while maintaining structural rigidity, delivering consistent airflow against static pressure resistance. Its robust housing meets UL94V-0 flammability standards, making it suitable for high-reliability applications requiring stable cooling performance and integrated alarm signal monitoring for locked rotor detection.

Model Number: AFB0812HH-R00
Brand: Delta Electronics
Product Type: DC Axial Fan
Rated Voltage: 12 VDC
Voltage Range: 7.0 - 13.8 VDC
Rated Current: 0.30 A
Input Power: 3.60 W
Rated Speed: 3250 RPM
Bearing Type: Two Ball Bearing
Max. Air Flow: 37.43 CFM (63.59 m^3/h / 1.06 m^3/min)

Max. Static Pressure: 3.85 mmH_2O (37.73 Pa / 0.15 inH_2O)
Dimensions: 80 x 80 x 25.4 mm
Weight: 80 g
Life Expectancy: 70,000 Hours at 40°C
Noise Level: 34.0 dB-A
Output Signal: R00 (Rotation Detector / Locked Rotor Alarm)
Termination: 3-Wire Lead
Housing Material: Plastic (UL94V-0)
Impeller Material: Plastic (UL94V-0)
Operating Temperature: -10 to +70°C
Storage Temperature: -40 to +75°C
Protection: Locked Rotor Protection, Polarity Protection

This cooling solution is specifically designed for integration into industrial automation equipment, such as variable frequency drives (inverters) and server chassis. The AFB0812HH-R00 provides the necessary airflow to dissipate heat generated by power electronics, ensuring system stability during intensive operation. Additionally, the AFB0812HH-R00 is frequently utilized in telecommunications racks and precision instrumentation where reliable thermal regulation and active alarm monitoring are essential for preventing component failure.

Supplemental Images


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S-801-600
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125°C
600V