

RLF35-8/14N ebm-papst 24VDC 4.3W 51x51x15mm Centrifugal Blower Datasheet



Brand: ebmpapst

SKU: 1042950345042

Category: Axial & Centrifugal Fans

Price: **\$91.43**

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Product Description

ebm-papst RLF35-8/14N is a compact 51 x 51 x 15 mm centrifugal blower operating at 24 VDC with a 4.3 W power rating and 9.6 m³/h airflow capacity. The unit features a fiberglass-reinforced plastic scroll housing and impeller, utilizing a dual ball bearing system for extended service life. It incorporates a 2-wire electrical interface with AWG 28 leads and provides high static pressure development through its radial discharge design. The internal motor is protected against reverse polarity and electronic locking.

RLF35-8/14N Specifications

Model Number: RLF35-8/14N

Brand: ebm-papst

Product Category: Centrifugal Blower

Nominal Voltage: 24 VDC

Voltage Range: 14 to 28 VDC

Nominal Current: 180 mA

Power Consumption: 4.3 W

Nominal Speed: 6700 RPM

Max Airflow: 9.6 m³/h

Sound Power Level: 5.5 Bel(A)

Dimensions: 51 x 51 x 15 mm

Weight: 0.04 kg

Bearing Type: Ball Bearing

Housing Material: Fiberglass-reinforced plastic (PBT)

Impeller Material: Fiberglass-reinforced plastic (PA)

Airflow Direction: Axial intake, radial discharge

Direction of Rotation: Clockwise (viewed toward rotor)

Operating Temperature: -20 to +70 °C

Service Life L10: 60000 h at 40 °C

Electrical Connection: 2 single strands AWG 28, TR 64

Motor Protection: Electronic locked-rotor and reverse polarity protection

Approvals: VDE, CSA, UL, CE

RLF35-8/14N Applications

Primary applications include integration into medical CPAP machines, laboratory analytical equipment, and compact telecommunication server modules. Deployed within localized hotspot cooling systems for high-density power electronics and automated pharmacy dispensing kiosks.

Supplemental Images

