

W1G180-AB47-01 ebmpapst 48V EC Centrifugal Fan

SKU: W1G180-AB47-01

Price: \$155.42

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/w1g180-ab47-01-ebmpapst-48v-ec-centrifugal-fan/>

Product Description

The ebmpapst W1G180-AB47-01 is an EC Centrifugal Fan measuring 180 mm. It operates on a 48 VDC nominal voltage within a range of 36 to 57 VDC. This fan has a speed of 4600 RPM, consumes 95W power, draws 2.30A current, and provides a maximum back pressure of 380 Pa. It features 5 PA plastic blades, a thick-film passivated rotor surface, and a die-cast aluminum, painted black fan housing. The fan utilizes a reliable ball bearing system and has an IP20 degree of protection. Electrical connection is lateral, and it offers motor protection including reverse polarity and locked-rotor protection. Key technical features include a 0-10 VDC / PWM control input, Tach output, motor current limitation, and soft start. It weighs 1.8 kg and is suitable for ambient temperatures from -25°C up to 60°C. It conforms to EN 60950-1 standards and is approved by CCC, UL 507, EAC, and CSA C22.2 No. 113.

W1G180-AB47-01 Fan Parameters

Model: W1G180-AB47-01

Manufacturer: ebmpapst

Type: EC Centrifugal Fan

Motor: M1G074-BF

Nominal Voltage: 48 VDC

Nominal Voltage Range: 36 .. 57 VDC

Speed: 4600 RPM

Power Consumption: 95 W

Current Draw: 2.30 A

Max. Back Pressure: 380 Pa

Min. Ambient Temperature: -25 °C

Max. Ambient Temperature: 60 °C

Weight: 1.8 kg

Fan Size: 180 mm

Rotor Surface: Thick-film passivated

Impeller Material: PA plastic

Fan Housing Material: Die-cast aluminum, painted black

Number of Blades: 5

Airflow Direction: V

Direction of Rotation: Counter-clockwise, viewed toward rotor

Degree of Protection: IP20

Insulation Class: "B"

Moisture (F) / Environmental (H) Protection Class: H0 - dry environment

Max. Permitted Ambient Temp. for Motor (Transport/Storage): +80 °C

Min. Permitted Ambient Temp. for Motor (Transport/Storage): -40 °C

Installation Position: Any

Condensation Drainage Holes: None

Mode: S1

Motor Bearing: Ball bearing

Technical Features: Control input 0-10 VDC / PWM; Tach output; Motor current limitation; Soft start

EMC Immunity to Interference: According to EN 61000-6-2 (industrial environment)

EMC Interference Emission: According to EN 55022 (Class B)

Motor Protection: Reverse polarity and locked-rotor protection

With Cable: Lateral

Conformity with Standards: EN 60950-1

Approval: CCC; UL 507; EAC; CSA C22.2 No. 113

Application: Suitable for compact ventilation systems, electronic cooling, and applications requiring precise speed control and energy efficiency in a DC environment.

Product Images







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