

9WP0824S401 Sanyo Denki 24VDC 80x80mm IP68 Axial Fan Datasheet



Brand: Sanyo Denki

SKU: [902132871104](#)

Category: Axial & Centrifugal Fans

Price: **\$19.99**

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Product Page:

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Product Description

The Sanyo Denki 9WP0824S401 is a precision-engineered DC axial fan belonging to the renowned San Ace 80W series, designed specifically for harsh environmental conditions. Featuring an IP68 ingress protection rating, this cooling solution offers superior resistance against water submersion and dust infiltration, ensuring operational integrity in demanding industrial applications. The unit utilizes dual ball bearing architecture to minimize frictional coefficients and extend service life, while the aerodynamic impeller design optimizes airflow dynamics for efficient thermal impedance reduction. Its robust structural rigidity and flame-retardant housing make it ideal for critical electronic systems requiring reliable heat dissipation under stress.

Model Number: 9WP0824S401

Brand: Sanyo Denki

Product Type: Axial Fan

Series: San Ace 80W

Rated Voltage: 24VDC

Voltage Range: 14.0 - 27.6 VDC

Rated Current: 0.10 A

Power Consumption: 2.4 W

Rated Speed: 2900 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 36.4 CFM (1.03 m³/min)

Max. Static Pressure: 3.53 mmH₂O (34.6 Pa)

Dimensions: 80 x 80 x 25 mm

Ingress Protection: IP68 (Dustproof / Waterproof)

Noise Level: 29 dB(A)

Termination: 2-Wire (Red +, Black -)

Housing Material: Plastic (UL94V-0)

Impeller Material: Plastic (UL94V-0)

Operating Temperature: -20°C to +70°C

Life Expectancy: 60,000 Hours (at 60°C)

Mounting Orientation: Any

Dielectric Strength: 50/60 Hz, 500 VAC, 1 minute

Motor Protection: Locked Rotor Protection, Reverse Polarity Protection

Weight: 110 g

Designed for resilience, the 9WP0824S401 excels in demanding industrial environments where moisture and dust presence typically compromise standard cooling components. This unit is frequently deployed in outdoor telecommunications enclosures, photovoltaic inverters, and machine tool control panels requiring consistent thermal regulation. The waterproof nature of the 9WP0824S401 ensures longevity in CNC machinery and factory automation systems, providing critical airflow to prevent component overheating in variable climate conditions.

Supplemental Images

