SK 3241.124 Rittal 24VDC 255x255mm TopTherm Fan Filter Unit Datasheet

Brand: Rittal

SKU: 953945106803

Category: Axial & Centrifugal Fans

Price: **$813.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/sk-3241-124-rittal-24vdc-255x255mm-toptherm-fan-filter-unit

Product Description

The Rittal SK 3241.124 is a TopTherm fan-and-filter unit engineered for critical thermal management in industrial enclosures. Utilizing advanced diagonal fan technology, this 24VDC assembly ensures uniform heat dissipation and optimized aerodynamic performance, significantly reducing thermal impedance within high-density cabinets. The unit features a tool-free mounting system and a structurally rigid ABS housing designed to maintain pressure stability under varying loads. Its integrated filter mat mechanism provides essential ingress protection while maintaining high volumetric flow rates, making it a robust solution for maintaining component longevity in harsh automation environments.

Model Number: SK 3241.124
Brand: Rittal
Product Type: TopTherm Fan-and-Filter Unit
Rated Voltage: 24 VDC
Rated Current: 0.8 A
Rated Power: 19 W
Air Throughput (Unimpeded): 230 m^3/h (135.4 CFM)
Air Throughput (With Filter): 183 m^3/h (107.7 CFM)
Dimensions: 255 x 255 mm
Installation Depth: 107 mm

Mounting Cut-out: 224 x 224 mm
Noise Level: 54 dB(A)
Operating Temperature: -30°C to +55°C
Storage Temperature: -30°C to +70°C
Ingress Protection: IP54 (Standard)
Material: ABS (Acrylonitrile Butadiene Styrene)
Color: RAL 7035 (Light Grey)
Bearing Type: Ball Bearing
Motor Technology: DC Diagonal Fan
Service Life: 75,000 Hours (at 25°C)
Connection: 2 Single Wires
Weight: 1.7 kg
Approvals: UL, cUL, CSA, CE
Pre-fuse: 2 A

This cooling solution is extensively deployed in industrial automation control panels, server racks, and power distribution enclosures where reliable heat extraction is mandatory. The SK 3241.124 excels in maintaining optimal operating temperatures for PLCs, drives, and sensitive electronics housed in manufacturing plant floors. By preventing particulate ingress and heat buildup, the SK 3241.124 ensures system continuity in telecommunications infrastructure and CNC machining centers requiring consistent thermal regulation.

Supplemental Images


SK 3241.124