

VK332-5D-M5 SMC 24VDC M5 Direct Poppet 3-Port Solenoid Valve Datasheet



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Category: Relays & Contactors

Price: **\$39.29**

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Product Description

SMC VK332-5D-M5 24 VDC 3-port direct operated poppet solenoid valve featuring an M5 x 0.8 port size and a 0 to 0.7 MPa operating pressure range. Constructed with copper-free internal components and a durable rubber seal, this compact 18 mm wide unit provides fluid control without requiring lubrication. The hardware utilizes a DIN terminal for secure electrical entry and delivers a rapid response time of 10 ms or less. Engineered for body-ported mounting, the valve supports both positive pressure and vacuum applications down to -101.2 kPa while maintaining a dustproof protective enclosure.

VK332-5D-M5 Specifications

Model Number: VK332-5D-M5

Brand: SMC

Series: VK300

Product Category: 3-Port Solenoid Valve

Actuation Type: Direct Operated Poppet

Seal Type: Rubber Seal

Fluid Compatibility: Air, Non-corrosive gases

Rated Voltage: 24 VDC

Electrical Entry: DIN Terminal

Port Size: M5 x 0.8

Operating Pressure Range: 0 to 0.7 MPa

Vacuum Rating: Up to -101.2 kPa

Response Time: 10 ms or less

Ambient & Fluid Temperature: -10 to 50 °C (No freezing)

Lubrication: Not required

Mounting Style: Body Ported

Protective Construction: Dustproof

Material Specification: Copper-free (fluid contact parts)

Valve Width: 18 mm

Valve Length: 68 mm

VK332-5D-M5 Applications

Primary applications include integration into automated assembly line pneumatic manifolds, robotic end-of-arm tooling control circuits, and precision packaging machinery. Deployed within semiconductor manufacturing equipment and CNC machine tool pneumatic panels where compact, copper-free directional air control is strictly required.

Supplemental Images

