AUTOMATION TRADER

544025

Industrial automation components

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Manufacturer	Festo
Catalog number	544025
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Stroke	50 mm
Piston Diameter	25 mm
Operating Pressure	0.1 to 0.8 MPa
Max Speed	0.8 m/s
Ambient Temperature	0 to 60 °C

Description

The Festo DGSL-20-50-Y3A Mini Slide (Part Number: 544025) is a compact, double-acting pneumatic actuator designed for precise linear motion in industrial automation applications. With a 50 mm stroke and a 25 mm piston diameter, it delivers a theoretical force of 295 N during the advance stroke and 247 N during the return stroke at 6 bar operating pressure. The actuator features a yoke-style drive unit, progressive shock absorbers at both ends for cushioning, and a ball bearing cage guide for smooth operation. It operates within a pressure range of 0.1 to 0.8 MPa (1 to 8 bar) and achieves a maximum speed of 0.8 m/s. The actuator is suitable for ambient temperatures between 0°C and 60°C and is compliant with cleanroom class 7 according to ISO 14644-1. For detailed specifications, refer to the Festo DGSL-20-50-Y3A Mini Slide Datasheet.

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