556813

Industrial automation components

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Manufacturer	Festo
Catalog number	556813
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Product Type	Belt-driven linear actuator
Profile Size	70 mm
Working Stroke Range	50 mm to 5000 mm
Motor Compatibility	Stepper and servo motors
Maximum Acceleration	50 m/s²
Maximum Speed	5 m/s
Repetition Accuracy	±0.08 mm
Ambient Temperature Range	-10°C to +60°C
Degree of Protection	IP40

Description

The Festo 556813 is a belt-driven linear actuator from the EGC series, designed for precise and efficient linear motion applications. This actuator features a 70 mm profile size and utilizes a toothed belt mechanism, ensuring smooth and reliable operation. It is equipped with a recirculating ball bearing guide, providing high rigidity and accuracy over extended travel distances. The actuator supports a working stroke range from 50 mm to 5000 mm, accommodating various application requirements. It is compatible with both stepper and servo motors, offering flexibility in integration. The actuator is designed for a maximum acceleration of 50 m/s² and can achieve speeds up to 5 m/s, making it suitable for high-performance tasks. It offers a repetition accuracy of ±0.08 mm, ensuring consistent performance. The actuator operates within an ambient temperature range of -10°C to +60°C and has a degree of protection rated at IP40, suitable for standard industrial environments. The Festo 556813 is ideal for applications requiring precise linear motion, such as material

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handling, assembly processes, and automated machinery.

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