187853

Industrial automation components

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Manufacturer	Festo
Catalog number	187853
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Stroke Length	100 mm to 900 mm
Piston Diameter	18 mm
Theoretical Force at 6 bar	153 N
Operating Pressure	1 bar to 8 bar
Operating Medium	Compressed air (ISO 8573-1:2010 [7:-:-])
Ambient Temperature	-10 °C to 60 °C
Housing Material	Anodized aluminum

Description

The Festo 187853 is a high-quality linear actuator from the SLG-18 series, designed for precise and reliable linear motion in various industrial applications. This double-acting actuator features a stroke length ranging from 100 mm to 900 mm, accommodating diverse operational requirements. With a piston diameter of 18 mm, it delivers a theoretical force of 153 N at an operating pressure of 6 bar, ensuring robust performance. The actuator is equipped with elastic cushioning rings and a pneumatic shock absorber with a hard characteristic curve at both ends, providing smooth and controlled motion. Its recirculating ball bearing guide ensures stability and accuracy during operation. The actuator supports up to four intermediate positions, enhancing its versatility in complex automation tasks. Designed for positive-locking (slot) coupling, it facilitates secure and efficient integration into automation systems. The actuator operates within a pressure range of 1 bar to 8 bar and utilizes compressed air as the operating medium, adhering to ISO 8573-1:2010 standards. It is suitable for ambient temperatures between -10 °C and 60 °C, making it adaptable to various environmental conditions. The actuator's housing is made of anodized aluminum, offering durability and resistance to corrosion. For detailed specifications and installation guidelines, refer to the Festo 187853

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Linear Actuator Datasheet.

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