AUTOMATION TRADER

556814

Industrial automation components

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Manufacturer	Festo
Catalog number	556814
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Manufacturer	Festo
Part Number	556814
Product Type	Electromechanical Linear Axis with Toothed Belt
Working Stroke	50 mm to 8,500 mm
Maximum Speed	5 m/s
Maximum Acceleration	50 m/s²
Repeatability	±0.08 mm
Ambient Temperature Range	-10°C to +60°C
Protection Rating	IP40
Explosion Protection	ATEX Zone 1 and Zone 2

Description

The Festo 556814 is an electromechanical linear axis with toothed belt, part of the EGC-80-TB-KF series. Designed for precise linear motion, it features a recirculating ball bearing guide and is compatible with stepper or servo motors. The axis offers a working stroke ranging from 50 mm to 8,500 mm, with a maximum speed of 5 m/s and an acceleration up to 50 m/s². It ensures high repeatability with an accuracy of ±0.08 mm. The unit operates within an ambient temperature range of -10°C to +60°C and is rated IP40 for protection. Additionally, it complies with ATEX standards for explosion protection, suitable for Zone 1 and Zone 2 environments. This component is ideal for applications requiring precise and reliable linear motion in industrial automation systems.

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