532319

Industrial automation components

Add to quote

Ask about this product



Manufacturer	Festo
Catalog number	532319
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Stroke Range	25 mm to 400 mm
Piston Diameter	40 mm
Operating Mode	Yoke
Cushioning Type	Elastic cushioning rings and adjustable pneumatic shock absorbers at both ends
Guide Type	Recirculating ball bearing guide
Heat-Resistant Seals	Up to 120°C
Operating Pressure Range	0.15 MPa to 1 MPa (1.5 bar to 10 bar) MPa/bar
Explosion Protection Compliance	EU ATEX and UK EX instructions
Explosion Protection Rating	Ex h IIC T4 Gb
Ambient Temperature Range	-20°C to 120°C
Theoretical Force (Retracting)	686 N at 6 bar
Theoretical Force (Extending)	754 N at 6 bar

Description

The Festo DFM-40--B Guided Drive (Part Number: 532319) is a double-acting pneumatic actuator designed for precise linear motion in industrial automation applications. Featuring a stroke range from 25 mm to 400 mm and a piston diameter of 40 mm, it offers flexibility to meet various operational requirements. The drive operates in a yoke mode, ensuring reliable performance across different mounting positions. Equipped with elastic cushioning rings and adjustable pneumatic shock absorbers

AUTOMATION TRADER

Automation Trader
960 Capability Green
Luton, Bedfordshire LU1 3PE
VAT ID: PL6463009354
REGON: 527345886
DUNS: 427734105
BDO: 000726360

Phone
+44 7418 359 399

Email
info@automationtrader.com

Generated on demand. The PDF file is not stored on the server.

at both ends, it provides smooth and controlled motion, enhancing system longevity. The recirculating ball bearing guide ensures high precision and durability, making it suitable for applications requiring exact positioning. Designed with heat-resistant seals capable of withstanding temperatures up to 120°C, the DFM-40--B is ideal for environments with elevated temperatures. It operates efficiently within a pressure range of 0.15 MPa to 1 MPa (1.5 bar to 10 bar), accommodating various system pressures. The actuator complies with EU explosion protection directives (ATEX) and UK EX instructions, with an explosion protection rating of Ex h IIC T4 Gb, suitable for Zone 1 and Zone 2 hazardous areas. This makes it a reliable choice for applications in explosive environments. The DFM-40--B is compatible with lubricated operation, which is required for its continued use, and is designed to operate with compressed air meeting ISO 8573-1:2010 [7:4:4] standards. Its corrosion resistance class (CRC) is rated at 2, indicating moderate corrosion stress resistance, and it conforms to LABS (PWIS) standards VDMA24364-B1/B2-L, ensuring compatibility with sensitive materials. With an ambient temperature range from -20°C to 120°C, it is versatile for various industrial settings. The actuator delivers a theoretical force of 686 N during retraction and 754 N during extension at 6 bar pressure, providing substantial power for demanding tasks.