

Electric cylinder EPCO

FESTO



Low-cost with optimised performance: EPCO As simple as a pneumatic cylinder, but with the advantages of an electric drive - at a lower cost and simpler than electric positioning systems. As the heart of the Optimized Motion Series (OMS) positioning system, it can be ordered with a single order code, making selection easy. Everything fits – „WebConfig“ and „WebDiag“, the software for configuration and diagnostics make sure of that.

The cylinder

Electric cylinders with linear drives with ball screws and non-rotating plain bearing-guided piston rods are available fully-assembled in 3 sizes, with a fixed, ideally adapted motor. End-position cushioning reduces noise when approaching the end positions and the impact energy during homing. Its features include easy cleaning with CleanLook and a long service life, with a running performance of 10,000 km.

Complete: the EPCO system

Easy to configure, easy to order the right size and type with the type code: With the cylinder EPCO, pre-assembled cables suitable for use with energy chains, stepper motor controllers CMMO-ST in ServoLite mode and software for faster commissioning via the web server/browser concept.



Move



Control



Configure

175.1 PSI →
Product Short Information

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Options and accessories

- (1) Motor
- Holding brake on motor
 - Encoder on motor:
 - ServoLite – closed-loop operation with encoder
 - Cost-optimised: Open-loop operation without encoder
 - Motor cable outlet/connection at the top - or optionally on the right, left and underneath
- (2) Cylinder
- Female piston rod thread
 - Piston rod extension
- (3) Cylinder mounting
- Bolt on from the front or secure with type-2 slots from underneath
 - Comprehensive mounting accessories, e.g. flange, swivel or foot mounting with numerous adapters

Optional position sensing

- When ordering, specify the “Actuator position sensing”
- Select your preferred sensor bracket
 - Sensor rail for flexible sensor fastening
 - Mounting kit
 - Select your preferred sensor for the application:
 - proximity sensor SMT/SME-8
- Attach the sensor bracket itself – mount the sensor – and you’re done!



Technical data for electric cylinder EPCO

Size		16		25		40	
Cylinder size	[mm]	30 x 30		40 x 40		55 x 55	
Stroke range	[mm]	50 ... 200		50 ... 300		50 ... 400	
Spindle pitch	[mm/r]	8	3	10	3	12.7	5
Feed force	[N]	50	125	105	350	250	650
Speed	[mm/s]	300	125	500	150	460	180
Horizontal effective load	[kg]	8	24	20	60	40	120
Vertical effective load	[kg]	4	12	10	30	20	60
Repetition accuracy	[mm]	± 0.02		± 0.02		± 0.02	



Motor controller CMMO-ST



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