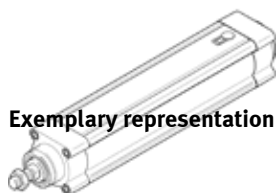


electric cylinder

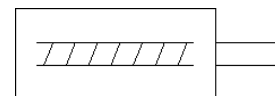
ESBF-...-50- -

Part number: 8022601

FESTO



Exemplary representation



Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Size	50
Stroke	30 ... 1,000 mm
Piston rod thread	M16x1,5
Spindle diameter	20 mm
Max. angular deflection of piston rod +/-	0.15 deg
Based on the standard	ISO 15552
Assembly position	Any
Motor type	Stepper motor Servomotor
Position detection	For proximity sensor
Design structure	Electro-cylinder with ball screw Electro-cylinder with sliding thread spindle
Variants	Recommended for production facilities for the manufacture of lithium-ion batteries
Protection against torque/guide	with plain-bearing guide
Duty cycle	100 %
Corrosion resistance classification CRC	0 - No corrosion stress 2 - Moderate corrosion stress
PWIS conformity	VDMA24364 zone III
RSBP classification to CD-0033	F1a
Cleanroom class	ISO class 7
Storage temperature	-20 ... 60 °C
Food-safe	See Supplementary material information
Relative air humidity	0 - 95 %
Protection class	IP40
Ambient temperature	0 ... 60 °C
Max. radial force at drive shaft	300 N
Max. feed force Fx	5,000 N
No-load driving torque	0.3 Nm
Mounting type	with internal (female) thread or accessories
Interface code, actuator	D50
Materials note	Conforms to RoHS
Material cover	Smooth anodised wrought aluminium alloy
Material piston rod	High alloy steel, non-corrosive
Material screws	Galvanised steel
Material spindle nut	Roller bearing steel
Material spindle	Roller bearing steel
Material cylinder barrel	Smooth-anodised wrought aluminium alloy