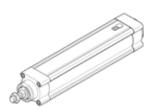
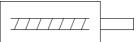
electric cylinder ESBF-BS-63-100-25P Part number: 574100 ☆ Core product range

With ball screw, electrically actuated spindle that converts the rotary motion of the motor into linear motion of the piston rod.







Data sheet

Feature	Value	
Size	63	
Stroke	100 mm	
Piston rod thread	M16x1,5	
Reversing backlash	40 μm	
Spindle diameter	25 mm	
Spindle pitch	25 mm/U	
Max. angular deflection of piston rod +/-	0.4 deg	
Based on the standard	ISO 15552	
Assembly position	Any	
Piston-rod end	Male thread	
Motor type	Servomotor	
Position detection	For proximity sensor	
Design structure	Electro-cylinder with ball screw	
Spindle type	Ball screw spindle	
Protection against torque/guide	with plain-bearing guide	
Max. acceleration	25 m/s2	
Max. speed	1.35 m/s	
Repetition accuracy	±0,01 mm	
Duty cycle	100 %	
Corrosion resistance classification CRC	2 - Moderate corrosion stress	
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. drive torque	26.5 Nm	
Max. radial force at drive shaft	700 N	
Max. feed force Fx	6,000 N	
No-load driving torque	0.5 Nm	
Reference value for working load, horizontal	600 kg	
Reference value for working load, vertical	600 kg	
Mass moment of inertia JH per metre of stroke	3.0526 kgcm2	
Mass moment of inertia JL per kg of working load	0.15831 kgcm2	
Mass moment of inertia, JO	0.65043 kgcm2	
Moving mass with 0 mm stroke	1,829 g	
Additional weight per 10 mm stroke	87 g	
Basic weight for 0 mm stroke	3,163 g	
Additional mass factor per 10 mm of stroke	52 g	
Mounting type	with internal (female) thread	
	or accessories	
Interface code, actuator	D60	
Materials note	Contains PWIS substances	
	Conforms to RoHS	



Feature	Value
Material cover	Aluminium casting
	coated
Material piston rod	High alloy steel, non-corrosive
Material screws	Steel
	Galvanised
Material spindle nut	Roller bearing steel
Material spindle	Roller bearing steel
Material cylinder barrel	Wrought Aluminium alloy
	Smooth anodised