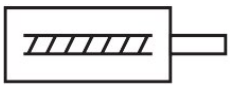
Electric cylinder
ESBF-...-63- -

Part number: 574090



General operating condition

Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Size	63
Stroke	30 mm ... 1200 mm
Piston rod thread	M16x1.5
Spindle diameter	25 mm
Torsional backlash at piston rod +/-	0.4 deg
Based on standard	ISO 15552
Mounting position	Any
Type of motor	Servo motor
Position detection	Via proximity switch
Design	Electric cylinder with ball screw
Spindle type	Ball screw
Symbol	00991941
Variants	Metals with copper, zinc or nickel by mass as main constituent are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils.
Protection against torque/guide	With plain-bearing guide
Duty cycle	100%
Corrosion resistance class CRC	2 - Moderate corrosion stress 3 - high corrosion stress
LABS (PWIS) conformity	VDMA24364 zone III
Suitability for the production of Li-ion batteries	Suitable for battery production with reduced Cu/Zn/Ni values (F1a)
Cleanroom suitability, measured according to ISO 14644-14	Class 7 according to ISO 14644-1
Storage temperature	-20 °C ... 60 °C
Suitable for use with food	See supplementary material information
Relative air humidity	0 - 95%
Degree of protection	IP40 IP65
Ambient temperature	0 °C ... 60 °C
Max. radial force at drive shaft	700 N
Max. feed force Fx	7000 N
Reference value effective load, horizontal	700 kg
Reference value effective load, vertical	700 kg
Moving mass for 0 mm stroke	1829 g
Additional moving mass per 10 mm stroke	52 g
Basic weight for 0 mm stroke	3163 g

Feature	Value
Additional weight per 10 mm stroke	87 g
Type of mounting	With female thread Or accessories
Interface code, actuator	D60
Note on materials	RoHS compliant
Material cover	Cast aluminium, coated
Material piston rod	High-alloy stainless steel
Material screws	Galvanised steel
Material ball screw nut	Bearing steel
Material spindle	Bearing steel
Material cylinder barrel	Smooth-anodised wrought aluminium alloy