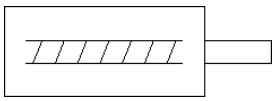
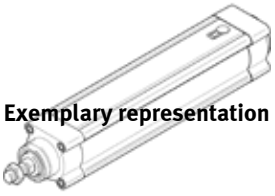
Electro-cylinder
ESBF-...-80- -

Part number: 574091

FESTO



Exemplary representation



Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Size	80
Stroke	30 ... 1,500 mm
Piston rod thread	M20x1,5
Spindle diameter	32 mm
Max. angular deflection of piston rod +/-	0.5 deg
Based on the standard	ISO 15552
Assembly position	Any
Motor type	Servomotor
Position detection	For proximity sensor
Design structure	Electro-cylinder with ball screw
Spindle type	Ball screw actuator
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	1,100 N
Max. feed force Fx	12,000 N
Reference value for working load, horizontal	1,200 kg
Reference value for working load, vertical	1,200 kg
Moving mass with 0 mm stroke	5,300 g
Additional mass factor per 10 mm of stroke	103 g
Basic weight for 0 mm stroke	7,393 g
Additional weight per 10 mm stroke	155 g
Mounting type	with internal (female) thread or accessories
Interface code, actuator	D80
Materials note	Conforms to RoHS
Material cover	Coated die-cast aluminium
Material piston rod	High alloy steel, non-corrosive
Material screws	Galvanized steel
Material spindle nut	Roller bearing steel
Material spindle	Roller bearing steel
Material cylinder barrel	Smooth-anodised wrought aluminium alloy