

Electric linear actuator ELFC-KF-80-800

Part number: 8062830

FESTO



Data sheet

Feature	Value
Working stroke	800 mm
Size	80
Stroke reserve	0 mm
Type code	ELFC
Mounting position	Any
Guide	Recirculating ball bearing guide
Structural design	Guide
Symbol	00992984
Max. acceleration	500 m/s ²
Max. speed	1.5 m/s
Duty cycle	100%
Corrosion resistance class (CRC)	0 - No corrosion stress
Degree of protection	IP40
Ambient temperature	0 °C ... 50 °C
2nd moment of area I _y	1370000 mm ⁴
2nd moment of area I _z	1660000 mm ⁴
Max. force F _y	900 N
Max. force F _z	2700 N
Max. torque M _x	59.8 Nm
Max. torque M _y	56.2 Nm
Max. torque M _z	56.2 Nm
Torsion moment of inertia I _t	90500 mm ⁴
Displacement force	15 N
F _y with theoretical service life of 100 km (from a guide perspective only)	3312 N
F _z with theoretical service life of 100 km (from a guide perspective only)	9936 N
M _x with theoretical service life of 100 km (from a guide perspective only)	220 Nm
M _y with theoretical service life of 100 km (from a guide perspective only)	207 Nm
M _z with theoretical service life of 100 km (from a guide perspective only)	207 Nm
Moving mass	815 g
Additional weight per 10 mm stroke	73 g
Material of end caps	Die cast aluminum, painted
Profile material	Wrought aluminum alloy, anodized
Note on materials	Contains paint-wetting impairment substances RoHS-compliant

Feature	Value
Cover strip material	High-alloy stainless steel
Cover material	Die cast aluminum, painted
Slide carriage material	Steel
Guide rail material	Steel
Slide material	Die-cast aluminum