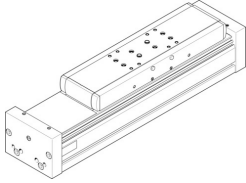


Electric linear actuator ELFA-KF-120- -

Part number: 8037972

FESTO



Data sheet

Feature	Value
Working stroke	50 mm...8500 mm
Size	120
Mounting position	Any
Guide	Recirculating ball bearing guide
Structural design	Guide
Max. acceleration	50 m/s ²
Max. speed	5 m/s
Duty cycle	100%
Corrosion resistance class (CRC)	0 - No corrosion stress
LABS (PWIS) conformity	VDMA24364 zone III
Degree of protection	IP40
Ambient temperature	-10 °C...60 °C
2nd moment of area Iy	1264580 mm ⁴
2nd moment of area Iz	4365790 mm ⁴
Max. force Fy	5500 N
Max. force Fz	6890 N
Max. no-load resistance to shifting	23 N
Max. torque Mx	104 Nm
Max. torque My	680 Nm
Max. torque Mz	680 Nm
Max. force Fy total axis	5500 N
Max. force Fz total axis	6890 N
Max. moment Mx total axis	104 Nm
Max. moment My total axis	680 Nm
Max. moment Mz total axis	680 Nm
Fy with theoretical service life of 100 km (from a guide perspective only)	20240 N
Fz with theoretical service life of 100 km (from a guide perspective only)	25355 N
Mx with theoretical service life of 100 km (from a guide perspective only)	383 Nm
My with theoretical service life of 100 km (from a guide perspective only)	2502 Nm

Feature	Value
Mz with theoretical service life of 100 km (from a guide perspective only)	2502 Nm
Slide weight	3600 g
Additional slide weight	3600 g
Basic weight with 0 mm stroke	8500 g
Additional weight per 10 mm stroke	103 g
Profile material	Wrought aluminum alloy Anodized
Note on materials	RoHS-compliant
Cover strip material	Stainless steel strip
Slide carriage material	Tempered steel
Guide rail material	Tempered steel Corrotect coated
Slide material	Wrought aluminum alloy Anodized