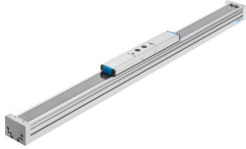


Electric linear actuator ELFA-RF-70- -

Part number: 8037967

FESTO



Data sheet

Feature	Value
Working stroke	50 mm...7000 mm
Size	70
Mounting position	Any
Guide	Roller guide
Structural design	Guide
Max. acceleration	50 m/s ²
Max. speed	10 m/s
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 I _y	139140 mm ⁴
2nd moment of area I _z	433100 mm ⁴
Max. force F _y	500 N
Max. force F _z	500 N
Max. no-load resistance to shifting	25 N
Max. torque M _x	11 Nm
Max. force F _y total axis	500 N
Max. force F _z total axis	500 N
Max. moment M _x total axis	11 Nm
Reference service life	10000 km
F _y with theoretical service life of 100 km (from a guide perspective only)	2320 N
F _z with theoretical service life of 100 km (from a guide perspective only)	2320 N
M _x with theoretical service life of 100 km (from a guide perspective only)	51 Nm
Additional weight per 10 mm stroke	30.54 g
Dynamic deflection (load moved)	0.05% of axis length, maximum 0.5 mm
Static deflection (load at standstill)	0.1 % of axis length
Type of mounting	With accessories
Material of end caps	Wrought aluminum alloy Anodized

Feature	Value
Profile material	Wrought aluminum alloy Anodized
Note on materials	RoHS-compliant
Cover strip material	Stainless steel strip
Guide material	Steel
Slide material	Wrought aluminum alloy Anodized