

# Ball screw linear actuator EGC-70-300-BS-10P-KF-0H-ML-GK

FESTO

Part number: 3013390



## Data sheet

Feature	Value
Working stroke	300 mm
Size	70
Stroke reserve	0 mm
Screw diameter	12 mm
Spindle pitch	10 mm/U
Mounting position	Any
Guide	Recirculating ball bearing guide
Structural design	Electromechanical linear axis with ball screw
Motor type	Stepper motor Servo motor
Spindle type	Ball screw
Max. acceleration	15 m/s <sup>2</sup>
Max. speed	0.5 m/s...0.75 m/s
Repetition accuracy	±0.02 mm
Duty cycle	100%
LABS (PWIS) conformity	VDMA24364-B2-L
Degree of protection	IP40
Ambient temperature	-10 °C...60 °C
2nd moment of area Ix	419000 mm <sup>4</sup>
2nd moment of area Iy	578000 mm <sup>4</sup>
2nd moment of area Iz	419000 mm <sup>4</sup>
Max. force Fy	1850 N
Max. force Fz	1850 N
Max. torque Mx	16 Nm
Max. radial force on actuator shaft	220 N
Max. feed force Fx	400 N
Torsion moment of inertia It	88000 mm <sup>4</sup>
Mass moment of inertia JH per meter of stroke	0.142 kgcm <sup>2</sup>
Feed constant	10 mm/U
Material of end caps	Wrought aluminum alloy Anodized

<b>Feature</b>	<b>Value</b>
Moment compensator material	Wrought aluminum alloy Anodized
Profile material	Wrought aluminum alloy Anodized
Note on materials	RoHS-compliant
Drive cover material	Wrought aluminum alloy Anodized
Slide carriage material	Steel
Guide rail material	Steel
Slide material	Wrought aluminum alloy Anodized
Spindle nut material	Steel
Spindle material	Steel