

# Ball screw linear actuator EGC-80-500-BS-10P-KF-0H-ML-GK

Part number: 3013536

FESTO



## Data sheet

Feature	Value
Working stroke	500 mm
Size	80
Stroke reserve	0 mm
Screw diameter	15 mm
Spindle pitch	10 mm/U
Type code	EGC
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
Symbol	00991211
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%
Degree of protection	IP40
Ambient temperature	-10 °C ... 60 °C
2nd moment of area Ix	981000 mm <sup>4</sup>
2nd moment of area Iy	1320000 mm <sup>4</sup>
2nd moment of area Iz	981000 mm <sup>4</sup>
Max. force Fy	3050 N
Max. force Fz	3050 N
Max. torque Mx	36 Nm
Max. radial force on actuator shaft	250 N
Max. feed force Fx	650 N
Torsion moment of inertia It	255000 mm <sup>4</sup>
Mass moment of inertia JH per meter of stroke	0.346 kgcm <sup>2</sup>
Feed constant	10 mm/U
Material of end caps	Wrought aluminum alloy Anodized
Moment compensator material	Wrought aluminum alloy Anodized
Profile material	Wrought aluminum alloy Anodized

<b>Feature</b>	<b>Value</b>
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