

# Spindle axis EGC-70-300-BS-10P-KF-0H-ML-GK

Part number: 3013390

FESTO



## Data sheet

Feature	Value
Working stroke	300 mm
Size	70
Stroke reserve	0 mm
Spindle diameter	12 mm
Spindle pitch	10 mm/U
Mounting position	optional
Guide	Recirculating ball bearing guide
Design	Electromechanical linear axis With ball screw
Type of motor	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. moment Mx	16 Nm
Max. radial force at drive shaft	220 N
Max. feed force Fx	400 N
Torsional mass moment of inertia It	88000 mm <sup>4</sup>
Mass moment of inertia JH per metre of stroke	0.142 kgcm <sup>2</sup>
Feed constant	10 mm/U
Material end cap	Wrought aluminium alloy Anodised

<b>Feature</b>	<b>Value</b>
Material driver	Wrought aluminium alloy Anodised
Material profile	Wrought aluminium alloy Anodised
Note on materials	RoHS-compliant
Material drive cover	Wrought aluminium alloy Anodised
Material guide slide	Steel
Material guide rail	Steel
Material slide	Wrought aluminium alloy Anodised
Material spindle nut	Steel
Material spindle	Steel