

# mini slide

## EGSC-BS-KF-60-100-5P

Part number: 8162082

FESTO



### Data sheet

Feature	Value
Working stroke	100 mm
Size	60
Stroke reserve	0 mm
Reversing backlash	150 µm
Spindle diameter	12 mm
Spindle pitch	5 mm/U
Assembly position	Any
Guide	Recirculating ball bearing guide
Design structure	Electric mini slide With ball screw
Motor type	Stepper motor Servomotor
Referencing	Fixed stop block positive Fixed stop block negative Reference switch
Spindle type	Ball screw
Position detection	For proximity sensor
Max. acceleration	5 m/s <sup>2</sup>
Max. speed	0.25 m/s
Repetition accuracy	±0,015 mm
Duty cycle	100 %
Corrosion resistance classification CRC	0 - No corrosion stress
PWIS conformity	VDMA24364 zone III
RSBP classification to CD-0033	F1a
Cleanroom class	ISO class 9
Sound pressure level	55 dB(A)
Protection class	IP40
Ambient temperature	0 ... 50 °C
Fixed bearing dynamic basic load rating	13,321 N
Linear guide dynamic basic load rating	13,400 N
Ball screw drive dynamic basic load rating	5,900 N
Max. force F <sub>y</sub>	4,937 N
Max. force F <sub>z</sub>	4,937 N
Max. torque M <sub>x</sub>	20 Nm
Max. torque M <sub>y</sub>	30 Nm
Max. torque M <sub>z</sub>	30 Nm
Max. radial force at drive shaft	230 N
Max. feed force F <sub>x</sub>	250 N
Reference value for working load, horizontal	25 kg
Reference value for working load, vertical	25 kg
Ball screw drive statistical basic load rating	10,600 N
Linear guide statistical basic load rating	26,900 N
Mass moment of inertia J <sub>H</sub> per metre of stroke	0.11539 kgcm <sup>2</sup>
Mass moment of inertia J <sub>L</sub> per kg of working load	0.00633 kgcm <sup>2</sup>
Mass moment of inertia, J <sub>O</sub>	0.06624 kgcm <sup>2</sup>
Feed constant	5 mm/U

Feature	Value
Fixed bearing statistical basic load rating	7,000 N
Reference value, running performance	5,000 km
Maintenance interval	Life-time lubrication
Moving mass with 0 mm stroke	675 g
Additional mass factor per 10 mm of stroke	40 g
Product weight	2,505 g
Basic weight for 0 mm stroke	1,555 g
Additional weight per 10 mm stroke	95 g
Mounting type	with internal (female) thread with centring sleeve with accessories With cylindrical dowel pin
Interface code, actuator	T42
Materials note	Conforms to RoHS
Material guide slide	Roller bearing steel
Material guide rail	Roller bearing steel
Material housing	Anodised wrought aluminium alloy
Material yoke plate	Anodised wrought aluminium alloy
Material piston rod	High alloy steel, non-corrosive
Material slide	Anodised wrought aluminium alloy
Material spindle nut	Roller bearing steel
Material spindle	Roller bearing steel