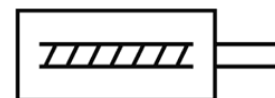
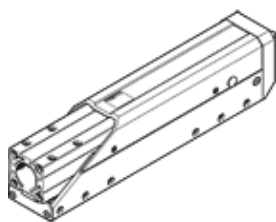


Electrical Cantilever axis EGSA-50-100

Part number: 558199

FESTO

For highly dynamic positioning.



Data sheet

Feature	Value
Working stroke	100 mm
Size	50
Stroke reserve	10 mm
Reversing backlash	$\leq 20 \mu\text{m}$
Spindle diameter	10 mm
Spindle pitch	10 mm/U
Assembly position	Any
Guide	Recirculating ball bearing guide
Design structure	Electromechanical Cantilever axis
Motor type	Stepper motor Servomotor
Referencing	Reference switch
Spindle type	Ball screw actuator
Max. acceleration	15 m/s ²
Max. speed	1 m/s
Repetition accuracy	$\pm 0,01 \text{ mm}$
Corrosion resistance classification CRC	0
Sound pressure level	$< 58 \text{ dB(A)}$
Protection class	IP20
Ambient temperature	10 ... 40 °C
Deflection depending on the load and projection	Diagram
Max. drive torque	3 Nm
Max. force F _x on projection	1,800 N
Max. force F _y on projection	150 N
Max. force F _z on projection	150 N
Max. moment M _x on projection	10 Nm
Max. moment M _y on projection	25 Nm
Max. moment M _z on projection	25 Nm
Max. radial force at drive shaft	60 N
Max. feed force F _x	100 N
No-load driving torque	0.05 Nm
Reference value for working load, horizontal	5 kg
Reference value for working load, vertical	3 kg
Mass moment of inertia J _L per kg of working load	0.00025 kgcm ²
Mass moment of inertia, J _O	0.0002 kgcm ²
Feed constant	10 mm/U
Moving mass	750 g
Product weight	2,000 g
Mounting type	Internal thread and centering sleeve
Material information, end cap	Wrought Aluminum alloy Anodized
Material information, profile	Wrought Aluminum alloy Anodized
Materials note	Conforms to RoHS

Feature	Value
Material information, drive unit cover	Wrought Aluminum alloy Anodized
Material information, guide rail	Roller bearing steel
Materials information, housing	Wrought Aluminum alloy Anodized
Material information, rotor	Wrought Aluminum alloy Anodized
Material information, slide unit	Wrought Aluminum alloy Anodized
Material information, spindle	Steel