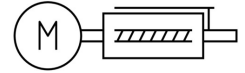
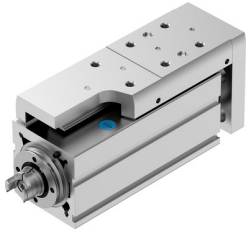


Mini slide EGSC-BS-KF-45-50-10P

Part number: 8048301

FESTO



 General operating condition

Data sheet

Feature	Value
Working stroke	50 mm
Size	45
Stroke reserve	0 mm
Reversing backlash theoretical	150 µm
Spindle diameter	10 mm
Spindle pitch	10 mm/U
Mounting position	optional
Guide	Recirculating ball bearing guide
Design	Electric mini slide With ball screw drive
Type of motor	Stepper motor Servo motor
Referencing	Positive fixed stop block Negative fixed stop block Reference switch
Spindle type	Ball screw drive
Symbol	00992069
Position detection	Via proximity switch
Max. acceleration	15 m/s ²
Max. speed	0.6 m/s
Repetition accuracy	±0.015 mm
Duty cycle	100%
Corrosion resistance class CRC	0 - No corrosion stress
LABS (PWIS) conformity	VDMA24364 zone III
Suitability for the production of Li-ion batteries	Metals with more than 1% by mass of copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils
Cleanroom class	Class 9 according to ISO 14644-1
Sound pressure level	50 dB(A)
Degree of protection	IP40
Ambient temperature	0 °C ... 50 °C
Dynamic basic load rating fixed bearing	7413 N
Dynamic basic load rating linear guide	3240 N
Dynamic basic load rating ball screw	3200 N
Max. force F _y	1314 N
Max. force F _z	1314 N
Max. moment M _x	8.1 Nm

Feature	Value
Max. moment My	7 Nm
Max. moment Mz	7 Nm
Max. radial force at drive shaft	180 N
Max. feed force Fx	120 N
Reference value effective load, horizontal	12 kg
Reference value effective load, vertical	12 kg
Static basic load rating ball screw	5900 N
Static basic load rating linear guide	5630 N
Mass moment of inertia JH per metre of stroke	0.13609 kgcm ²
Mass moment of inertia JL per kg of working load	0.02533 kgcm ²
Mass moment of inertia JO	0.01363 kgcm ²
Feed constant	10 mm/U
Static basic load rating fixed bearing	3966 N
Reference service life	5000 km
Maintenance interval	Life-time lubrication
Moving mass for 0 mm stroke	212 g
Additional moving mass per 10 mm stroke	30 g
Product weight	922 g
Basic weight for 0 mm stroke	608 g
Additional weight per 10 mm stroke	63 g
Type of mounting	Via female thread Via centring sleeve With accessories Via cylindrical pin
Interface code, actuator	V32
Note on materials	RoHS-compliant
Material guide slide	Rolled steel
Material guide rail	Rolled steel
Material housing	Anodised wrought aluminium alloy
Material yoke plate	Anodised wrought aluminium alloy
Material piston rod	High-alloy stainless steel
Material slide	Anodised wrought aluminium alloy
Material spindle nut	Rolled steel
Material spindle	Rolled steel