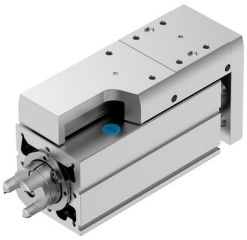
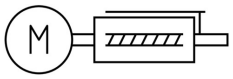
Mini slide
EGSC-BS-KF-60-50-12P

Part number: 8048362





General operating condition

Data sheet

Feature	Value
Working stroke	50 mm
Size	60
Stroke reserve	0 mm
Reversing backlash	150 µm
Screw diameter	12 mm
Spindle pitch	12 mm/U
Mounting position	Any
Guide	Recirculating ball bearing guide
Structural design	Electrical mini-slide with ball screw drive
Motor type	Stepper motor Servo motor
Homing	Fixed stop block positive Fixed stop block, negative Reference switch
Spindle type	Ball screw drive
Symbol	00992069
Position sensing	For proximity sensor
Max. acceleration	15 m/s²
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
Noise level	55 dB(A)
Degree of protection	IP40
Ambient temperature	0 °C ... 50 °C
Fixed bearing dynamic basic load rating	13321 N
Linear guide dynamic basic load rating	13400 N
Dynamic basic load rating, ball screw drive	4600 N
Max. force Fy	4937 N
Max. force Fz	4937 N
Max. torque Mx	20 Nm

Feature	Value
Max. torque My	30 Nm
Max. torque Mz	30 Nm
Max. radial force on actuator shaft	230 N
Max. feed force Fx	250 N
Guide value for payload, horizontal	25 kg
Guide value for payload, vertical	25 kg
Ball screw drive statistical basic load rating	8500 N
Linear guide statistical basic load rating	26900 N
Mass moment of inertia JH per meter of stroke	0.27076 kgcm²
Mass moment of inertia JL per kg of payload	0.03648 kgcm²
Mass moment of inertia JO	0.08386 kgcm²
Feed constant	12 mm/U
Statistical fixed bearing load rating	7000 N
Reference service life	5000 km
Maintenance interval	Life-time lubrication
Moving mass at 0 mm stroke	675 g
Additional moving mass per 10 mm stroke	40 g
Product weight	2030 g
Basic weight with 0 mm stroke	1555 g
Additional weight per 10 mm stroke	95 g
Type of mounting	With internal thread With centering sleeve With accessories With cylindrical pin
Interface code, actuator	T42
Note on materials	RoHS-compliant
Slide carriage material	Roller bearing steel
Guide rail material	Roller bearing steel
Housing material	Wrought aluminum alloy, anodized
Material of yoke plate	Wrought aluminum alloy, anodized
Piston rod material	High-alloy stainless steel
Slide material	Wrought aluminum alloy, anodized
Spindle nut material	Roller bearing steel
Spindle material	Roller bearing steel