

# Mini slide EGSC-BS-KF-32-50-8P

Part number: 8048307

FESTO



 [General operating condition](#)

## Data sheet

| Feature   | Value  |
|---|--|
| Working stroke  | 50 mm  |
| Size  | 32   |
| Stroke reserve  | 0 mm   |
| Reversing backlash  | 150 µm   |
| Screw diameter  | 8 mm   |
| Spindle pitch   | 8 mm/U   |
| Mounting position   | Any  |
| Guide   | Recirculating ball bearing   |
| Structural design   | With ball screw  |
| Motor type  | Stepper motor<br>Servo motor   |
| Homing  | Fixed stop block positive<br>Fixed stop block negative<br>Reference switch |
| Spindle type  | Ball screw   |
| Symbol  | 00992069   |
| Position sensing  | Via proximity switch   |
| Max. acceleration   | 15 m/s <sup>2</sup>  |
| Max. rotational speed                                     | 3750 rpm   |
| Max. speed  | 0.5 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        | Suitable for battery production with reduced Cu/Zn/Ni values (F1a)         |
| Cleanroom suitability, measured according to ISO 14644-14 | Class 9 according to ISO 14644-1   |
| Noise level   | 40 dB(A)   |
| Degree of protection                                      | IP40   |
| Ambient temperature                                       | 0 °C ... 50 °C   |
| Impact energy in the end positions                        | 9.0E-6 J   |
| Note on the impact energy in the end positions            | At maximum speed of the reference run of 0.01 m/s                          |
| Fixed bearing dynamic basic load rating                   | 3795 N   |
| Linear guide dynamic basic load rating                    | 2135 N   |
| Dynamic basic load rating, ball screw drive               | 2000 N   |
| No-load torque at maximum travel speed                    | 0.042 Nm   |
| No-load torque at minimum travel speed                    | 0.025 Nm   |

| Feature  | Value   |
|--|---|
| Max. force Fy  | 991 N   |
| Max. force Fz  | 991 N   |
| Fy with theoretical service life of 100 km (from a guide perspective only) | 2135 N  |
| Fz with theoretical service life of 100 km (from a guide perspective only) | 2135 N  |
| Max. torque Mx   | 3.4 Nm  |
| Max. torque My   | 3.2 Nm  |
| Max. torque Mz   | 3.2 Nm  |
| Mx with theoretical service life of 100 km (from a guide perspective only) | 10 Nm   |
| My with theoretical service life of 100 km (from a guide perspective only) | 7 Nm  |
| Mz with theoretical service life of 100 km (from a guide perspective only) | 7 Nm  |
| Max. radial force on actuator shaft  | 75 N  |
| Max. feed force Fx   | 60 N  |
| Guide value for payload, horizontal  | 6 kg  |
| Guide value for payload, vertical  | 6 kg  |
| Ball screw drive statistical basic load rating                             | 3700 N  |
| Linear guide statistical basic load rating                                 | 3880 N  |
| Mass moment of inertia JH per meter of stroke                              | 0.04477 kgcm <sup>2</sup>   |
| Mass moment of inertia JL per kg of payload                                | 0.01621 kgcm <sup>2</sup>   |
| Mass moment of inertia JO  | 0.00668 kgcm <sup>2</sup>   |
| Feed constant  | 8 mm/U  |
| Statistical fixed bearing load rating                                      | 1792 N  |
| Reference service life   | 5000 km   |
| Maintenance interval   | Lifetime lubrication  |
| Moving mass at 0 mm stroke   | 149 g   |
| Additional moving mass per 10 mm stroke                                    | 12 g  |
| Product weight   | 481 g   |
| Basic weight with 0 mm stroke  | 331 g   |
| Additional weight per 10 mm stroke   | 30 g  |
| Type of mounting   | With internal thread<br>With centering sleeve<br>With accessories<br>With cylindrical pin |
| Interface code, actuator   | V25   |
| Note on materials  | RoHS compliant  |
| Slide carriage material  | Bearing steel   |
| Guide rail material  | Bearing steel   |
| Housing material   | Wrought aluminum alloy, anodized  |
| Material of yoke plate   | Wrought aluminum alloy  |
| Piston rod material  | high-alloy stainless steel  |
| Slide material   | Wrought aluminum alloy, anodized  |
| Ball screw nut material  | Bearing steel   |
| Spindle material   | Bearing steel   |