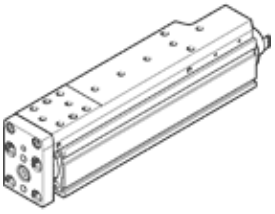
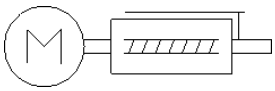
# mini slide
# EGSC-BS-KF-32-100-8P

Part number: 4356032

FESTO





## Data sheet

| Feature | Value |
|---|---|
| Working stroke | 100 mm |
| Size | 32 |
| Stroke reserve | 0 mm |
| Reversing backlash | 150 µm |
| Spindle diameter | 8 mm |
| Spindle pitch | 8 mm/U |
| Assembly position | Any |
| Guide | Recirculating ball bearing guide |
| Design structure | Electric mini slide<br>With ball screw |
| Motor type | Stepper motor<br>Servomotor |
| Referencing | Fixed stop block positive<br>Fixed stop block negative<br>Reference switch |
| Spindle type | Ball screw |
| Position detection | For proximity sensor |
| Max. acceleration | 15 m/s2 |
| Max. speed | 0.5 m/s |
| Repetition accuracy | ±0,015 mm |
| Duty cycle | 100% |
| Corrosion resistance classification CRC | 0 - No corrosion stress |
| Sound pressure level | 40 dB(A) |
| Protection class | IP40 |
| Ambient temperature | 0 ... 50 °C |
| Fixed bearing dynamic basic load rating | 3,795 N |
| Linear guide dynamic basic load rating | 2,135 N |
| Ball screw drive dynamic basic load rating | 2,000 N |
| Max. force Fy | 991 N |
| Max. force Fz | 991 N |
| Max. torque Mx | 4.65 Nm |
| Max. torque My | 3.17 Nm |
| Max. torque My (load on yoke plate) | 0.8 Nm |
| Max. torque Mz | 3.17 Nm |
| Max. moment Mz on projection | 1.6 Nm |
| Max. torque Mz (load on yoke plate) | 1.6 Nm |
| Max. radial force at drive shaft | 140 N |
| Max. feed force Fx | 87 N |
| Ball screw drive statistical basic load rating | 3,700 N |
| Linear guide statistical basic load rating | 3,880 N |
| Mass moment of inertia JH per metre of stroke | 0.04477 kgcm2 |
| Mass moment of inertia JL per kg of working load | 0.01621 kgcm2 |
| Mass moment of inertia, JO | 0.00668 kgcm2 |
| Feed constant | 8 mm/U |
| Fixed bearing statistical basic load rating | 1,792 N |
| Reference value, running performance | 5,000 km |

| Feature | Value |
|---|---|
| Maintenance interval | Life-time lubrication |
| Moving mass with 0 mm stroke | 149 g |
| Additional weight per 10 mm stroke | 30 g |
| Basic weight for 0 mm stroke | 331 g |
| Product weight | 632 g |
| Additional mass factor per 10 mm of stroke | 12 g |
| Mounting type | with internal (female) thread<br>with centring sleeve<br>With cylindrical dowel pin<br>with accessories |
| Interface code, actuator | V25 |
| Materials note | Contains PWIS substances<br>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 |