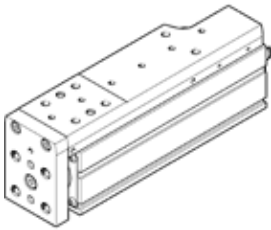


mini slide EGSC-BS-KF-45-100-3P

Part number: 8162076

FESTO



Data sheet

| Feature | Value |
|--|--|
| Working stroke | 100 mm |
| Size | 45 |
| Stroke reserve | 0 mm |
| Reversing backlash | 150 µm |
| Spindle diameter | 10 mm |
| Spindle pitch | 3 mm/U |
| Assembly position | Any |
| Guide | Recirculating ball bearing guide |
| Design structure | Electric mini slide With ball screw |
| Motor type | Stepper motor Servomotor |
| Referencing | Fixed stop block positive Fixed stop block negative Reference switch |
| Spindle type | Ball screw |
| Position detection | For proximity sensor |
| Max. acceleration | 5 m/s ² |
| Max. speed | 0.18 m/s |
| Repetition accuracy | ±0,015 mm |
| Duty cycle | 100 % |
| Corrosion resistance classification CRC | 0 - No corrosion stress |
| PWIS conformity | VDMA24364 zone III |
| RSBP classification to CD-0033 | F1a |
| Cleanroom class | ISO class 9 |
| Sound pressure level | 55 dB(A) |
| Protection class | IP40 |
| Ambient temperature | 0 ... 50 °C |
| Fixed bearing dynamic basic load rating | 7,413 N |
| Linear guide dynamic basic load rating | 3,240 N |
| Ball screw drive dynamic basic load rating | 3,500 N |
| Max. force F _y | 1,314 N |
| Max. force F _z | 1,314 N |
| Max. torque M _x | 8.1 Nm |
| Max. torque M _y | 7 Nm |
| Max. torque M _z | 7 Nm |
| Max. radial force at drive shaft | 180 N |
| Max. feed force F _x | 120 N |
| Reference value for working load, horizontal | 12 kg |
| Reference value for working load, vertical | 12 kg |
| Ball screw drive statistical basic load rating | 6,300 N |
| Linear guide statistical basic load rating | 5,630 N |
| Mass moment of inertia J _H per metre of stroke | 0.04918 kgcm ² |
| Mass moment of inertia J _L per kg of working load | 0.0028 kgcm ² |
| Mass moment of inertia, J _O | 0.01045 kgcm ² |
| Feed constant | 3 mm/U |

| Feature | Value |
|---|---|
| Fixed bearing statistical basic load rating | 3,966 N |
| Reference value, running performance | 5,000 km |
| Maintenance interval | Life-time lubrication |
| Moving mass with 0 mm stroke | 212 g |
| Additional mass factor per 10 mm of stroke | 30 g |
| Product weight | 1,237 g |
| Basic weight for 0 mm stroke | 608 g |
| Additional weight per 10 mm stroke | 63 g |
| Mounting type | with internal (female) thread with centring sleeve with accessories With cylindrical dowel pin |
| Interface code, actuator | V32 |
| Materials note | 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 |