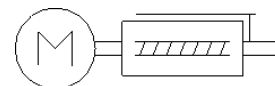
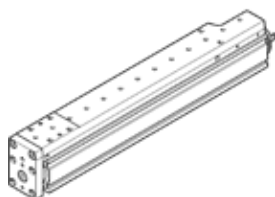


# mini slide

## EGSC-BS-KF-25-75-6P

Part number: 8061280

FESTO



### Data sheet

| Feature  | Value  |
|--|--|
| Working stroke   | 75 mm  |
| Size   | 25   |
| Stroke reserve   | 0 mm   |
| Reversing backlash   | 150 µm   |
| Spindle diameter   | 6 mm   |
| Spindle pitch  | 6 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/s <sup>2</sup>  |
| Max. speed   | 0.4 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   | 50 dB(A)   |
| Protection class   | IP40   |
| Ambient temperature  | 0 ... 50 °C  |
| Fixed bearing dynamic basic load rating                      | 2,810 N  |
| Linear guide dynamic basic load rating                       | 1,310 N  |
| Ball screw drive dynamic basic load rating                   | 1,700 N  |
| Max. force F <sub>y</sub>                                    | 669 N  |
| Max. force F <sub>z</sub>                                    | 669 N  |
| Max. torque M <sub>x</sub>                                   | 2 Nm   |
| Max. torque M <sub>y</sub>                                   | 2.1 Nm   |
| Max. torque M <sub>z</sub>                                   | 2.1 Nm   |
| Max. radial force at drive shaft                             | 30 N   |
| Max. feed force F <sub>x</sub>                               | 20 N   |
| Reference value for working load, horizontal                 | 2 kg   |
| Reference value for working load, vertical                   | 2 kg   |
| Ball screw drive statistical basic load rating               | 2,600 N  |
| Linear guide statistical basic load rating                   | 2,440 N  |
| Mass moment of inertia J <sub>H</sub> per metre of stroke    | 0.01507 kgcm <sup>2</sup>  |
| Mass moment of inertia J <sub>L</sub> per kg of working load | 0.00912 kgcm <sup>2</sup>  |
| Mass moment of inertia, J <sub>O</sub>                       | 0.00144 kgcm <sup>2</sup>  |
| Feed constant  | 6 mm/U   |

| Feature                                     | Value   |
|---|---|
| Fixed bearing statistical basic load rating | 1,340 N   |
| Reference value, running performance        | 5,000 km  |
| Maintenance interval                        | Life-time lubrication   |
| Moving mass with 0 mm stroke                | 83 g  |
| Additional mass factor per 10 mm of stroke  | 9 g   |
| Product weight                              | 315 g   |
| Basic weight for 0 mm stroke                | 176 g   |
| Additional weight per 10 mm stroke          | 19 g  |
| Mounting type                               | with internal (female) thread<br>with centring sleeve<br>with accessories<br>With cylindrical dowel pin |
| Interface code, actuator                    | V20   |
| 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  |