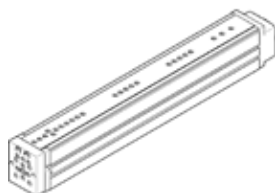


# mini slide

## EGSL-BS-55-250-12.7P

Part number: 559339

FESTO



### Data sheet

| Feature  | Value   |
|--|---|
| Working stroke   | 250 mm  |
| Size   | 55  |
| Parallel running in the z-direction                          | 0.1 mm  |
| Parallelism  | 0.125 mm  |
| Reversing backlash   | $\leq 50 \mu\text{m}$   |
| Spindle diameter   | 12.7 mm   |
| Spindle pitch  | 12.7 mm/U   |
| Assembly position  | Any   |
| Guide  | Ball bearing cage guide   |
| Design structure   | Electric mini slide<br>Guide<br>With ball screw                           |
| Motor type   | Stepper motor<br>Servomotor   |
| Spindle type   | Ball screw  |
| Position detection   | For proximity sensor  |
| Max. acceleration  | 25 m/s <sup>2</sup>   |
| Max. speed   | 1 m/s   |
| Repetition accuracy  | $\pm 0,015 \text{ mm}$  |
| Duty cycle   | 100 %   |
| Corrosion resistance classification CRC                      | 0 - No corrosion stress   |
| Sound pressure level   | 65 dB(A)  |
| Protection class   | IP40  |
| Ambient temperature  | 0 ... 60 °C   |
| Permanent feed force   | 200 N   |
| Max. drive torque  | 1.25 Nm   |
| Max. force F <sub>y</sub>                                    | 563 N   |
| Max. force F <sub>z</sub>                                    | 563 N   |
| Max. torque M <sub>x</sub>                                   | 27 Nm   |
| Max. torque M <sub>y</sub>                                   | 33 Nm   |
| Max. torque M <sub>z</sub>                                   | 33 Nm   |
| Max. radial force at drive shaft                             | 260 N   |
| Max. feed force F <sub>x</sub>                               | 300 N   |
| No-load driving torque                                       | 0.13 Nm   |
| Reference value for working load, horizontal                 | 10 kg   |
| Reference value for working load, vertical                   | 10 kg   |
| Mass moment of inertia J <sub>L</sub> per kg of working load | 0.041 kgcm <sup>2</sup>   |
| Mass moment of inertia, J <sub>O</sub>                       | 0.2327 kgcm <sup>2</sup>  |
| Feed constant  | 12.7 mm/U   |
| Maintenance interval   | Life-time lubrication   |
| Moving mass  | 1,740 g   |
| Product weight   | 4,050 g   |
| Mounting type  | with internal (female) thread<br>with centring sleeve<br>with accessories |
| Materials note   | Contains PWIS substances  |

| Feature              | Value                               |
|----------------------|-------------------------------------|
|                      | Conforms to RoHS                    |
| Material cover       | Aluminium casting<br>Painted        |
| Material guide rail  | Roller bearing steel                |
| Material housing     | Wrought Aluminium alloy<br>Anodised |
| Material yoke plate  | Wrought Aluminium alloy<br>Anodised |
| Material spindle nut | Roller bearing steel                |
| Material spindle     | Roller bearing steel                |