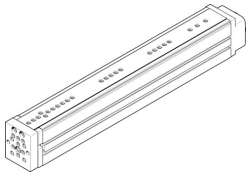
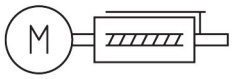
# Mini slide
# EGSL-BS-55-250-5P

Part number: 562229






## Data sheet

| Feature | Value |
|---|---|
| Working stroke | 250 mm |
| Size | 55 |
| Running parallelism along Z-axis | 0.1 mm |
| Parallelism | 0.125 mm |
| Reversing backlash theoretical | 50 µm |
| Spindle diameter | 12 mm |
| Spindle pitch | 5 mm/U |
| Mounting position | optional |
| Guide | Ball bearing cage guide |
| Design | Electric mini slide<br>Guidance<br>With ball screw drive |
| Type of motor | Stepper motor<br>Servo motor |
| Spindle type | Ball screw drive |
| Position detection | Via proximity switch |
| Max. acceleration | 25 m/s² |
| Max. speed | 0.4 m/s |
| Repetition accuracy | ±0.015 mm |
| Duty cycle | 100% |
| Corrosion resistance class CRC | 0 - No corrosion stress |
| LABS (PWIS) conformity | VDMA24364 zone III |
| Sound pressure level | 65 dB(A) |
| Degree of protection | IP40 |
| Ambient temperature | 0 °C...60 °C |
| Continuous feed force | 200 N |
| Max. drive torque | 0.415 Nm |
| Max. force Fy | 563 N |
| Max. force Fz | 563 N |
| Max. moment Mx | 27 Nm |
| Max. moment My | 33 Nm |
| Max. moment Mz | 33 Nm |

| Feature | Value |
|---|---|
| Max. radial force at drive shaft | 260 N |
| Max. feed force Fx | 300 N |
| Frictional torque independent of load | 0.15 Nm |
| Reference value effective load, horizontal | 10 kg |
| Reference value effective load, vertical | 10 kg |
| Mass moment of inertia JL per kg of working load | 0.006 kgcm² |
| Mass moment of inertia JO | 0.1574 kgcm² |
| Feed constant | 5 mm/U |
| Maintenance interval | Life-time lubrication |
| Moving mass | 1660 g |
| Product weight | 3950 g |
| Type of mounting | Via female thread<br>Via centring sleeve<br>With accessories |
| Note on materials | RoHS-compliant |
| Material cover | Die-cast aluminium<br>Painted |
| Material guide rail | Rolled steel |
| Material housing | Wrought aluminium alloy<br>Anodised |
| Material yoke plate | Wrought aluminium alloy<br>Anodised |
| Material ball screw nut | Rolled steel |
| Material spindle | Rolled steel |