

Ball screw linear actuator EGC-80-500-BS-20P-KF-0H-ML-GK

Part number: 3013543

FESTO



Data sheet

| Feature | Value |
|---|---|
| Working stroke | 500 mm |
| Size | 80 |
| Stroke reserve | 0 mm |
| Screw diameter | 15 mm |
| Spindle pitch | 20 mm/U |
| Type code | EGC |
| Mounting position | Any |
| Guide | Recirculating ball bearing guide |
| Structural design | Electromechanical linear axis with ball screw |
| Motor type | Stepper motor Servo motor |
| Spindle type | Ball screw |
| Symbol | 00991211 |
| Max. acceleration | 15 m/s ² |
| Max. speed | 1 m/s ... 1.5 m/s |
| Repetition accuracy | ±0.02 mm |
| Duty cycle | 100% |
| Degree of protection | IP40 |
| Ambient temperature | -10 °C ... 60 °C |
| 2nd moment of area Ix | 981000 mm ⁴ |
| 2nd moment of area Iy | 1320000 mm ⁴ |
| 2nd moment of area Iz | 981000 mm ⁴ |
| Max. force Fy | 3050 N |
| Max. force Fz | 3050 N |
| Max. torque Mx | 36 Nm |
| Max. radial force on actuator shaft | 250 N |
| Max. feed force Fx | 650 N |
| Torsion moment of inertia It | 255000 mm ⁴ |
| Mass moment of inertia JH per meter of stroke | 0.346 kgcm ² |
| Feed constant | 20 mm/U |
| Material of end caps | Wrought aluminum alloy Anodized |
| Moment compensator material | Wrought aluminum alloy Anodized |
| Profile material | Wrought aluminum alloy Anodized |

| Feature | Value |
|-------------------------|------------------------------------|
| Note on materials | RoHS-compliant |
| Drive cover material | Wrought aluminum alloy Anodized |
| Slide carriage material | Steel |
| Guide rail material | Steel |
| Slide material | Wrought aluminum alloy Anodized |
| Spindle nut material | Steel |
| Spindle material | Steel |