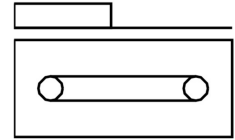


Belt driven linear actuator EGC-120-1200-TB-KF-0H-GK

Part number: 3013369

FESTO



Data sheet

| Feature | Value |
|---|--|
| Drive pinion effective diameter | 39.79 mm |
| Working stroke | 1200 mm |
| Size | 120 |
| Stroke reserve | 0 mm |
| Toothed belt elongation | 0.13 % |
| Toothed belt pitch | 5 mm |
| Type code | EGC |
| Mounting position | Any |
| Guide | Recirculating ball bearing guide |
| Structural design | Electromechanical linear axis with toothed belt |
| Motor type | Stepper motor Servo motor |
| Symbol | 00991212 |
| Max. acceleration | 50 m/s ² |
| Max. speed | 5 m/s |
| Repetition accuracy | ±0.08 mm |
| Duty cycle | 100% |
| Degree of protection | IP40 |
| Ambient temperature | -10 °C ... 60 °C |
| 2nd moment of area Ix | 4620000 mm ⁴ |
| 2nd moment of area Iy | 5650000 mm ⁴ |
| Max. force Fy | 6890 N |
| Max. force Fz | 6890 N |
| Max. no-load resistance to shifting | 70 N |
| Max. torque Mx | 144 Nm |
| Max. feed force Fx | 800 N |
| Torsion moment of inertia It | 2680000 mm ⁴ |
| Mass moment of inertia JH per meter of stroke | 0.93 kgcm ² |
| Mass moment of inertia JL per kg of payload | 3.96 kgcm ² |
| Feed constant | 125 mm/U |
| Material of end caps | Wrought aluminum alloy Anodized |
| Profile material | Wrought aluminum alloy Anodized |
| Note on materials | Contains paint-wetting impairment substances RoHS-compliant |

| Feature | Value |
|--|---|
| Drive cover material | Wrought aluminum alloy Anodized |
| Slide carriage material | Steel |
| Guide rail material | Steel |
| Belt pulley material | High-alloy stainless steel |
| Slide material | Wrought aluminum alloy Anodized |
| Toothed belt clamping component material | Cast stainless steel |
| Toothed belt material | Polychloroprene with glass cord and nylon coating |