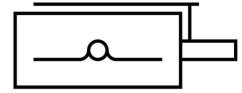
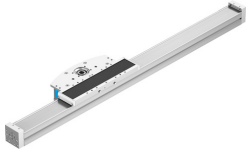


Cantilever linear actuator ELCC-TB-KF-60-600-0H-P0-CR

Part number: 8082389

FESTO



General operating condition

Data sheet

| Feature | Value |
|---|-----------------------------------|
| Drive pinion effective diameter | 30.558 mm |
| Working stroke | 600 mm |
| Size | 60 |
| Stroke reserve | 0 mm |
| Toothed belt pitch | 3 mm |
| Mounting position | Any |
| Guide | Recirculating ball bearing guide |
| Structural design | Electromechanical cantilever axis |
| Symbol | 00991210 |
| Max. acceleration | 50 m/s ² |
| Max. speed | 5 m/s |
| Repetition accuracy | ±0.05 mm |
| Corrosion resistance class (CRC) | 0 - No corrosion stress |
| LABS (PWIS) conformity | VDMA24364 zone III |
| Degree of protection | IP20 |
| Ambient temperature | -10 °C ... 60 °C |
| 2nd moment of area I _y | 240600 mm ⁴ |
| 2nd moment of area I _z | 304210 mm ⁴ |
| Max. driving torque | 5.5 Nm |
| Max. force F _y | 4216 N |
| Max. force F _z | 4119 N |
| Max. torque M _x | 36 Nm |
| Max. torque M _y | 293 Nm |
| Max. torque M _z | 288 Nm |
| Max. feed force F _x | 300 N |
| Mass moment of inertia J _H per meter of stroke | 8.9 kgcm ² |
| Mass moment of inertia J _L per kg of payload | 2.3 kgcm ² |
| Mass moment of inertia J _O | 5.9 kgcm ² |
| Feed constant | 96 mm/U |
| Reference service life | 5000 km |
| Lubrication interval, distance dependent | 1000 km |
| Moving mass at 0 mm stroke | 1636 g |
| Additional moving mass per 10 mm stroke | 38 g |
| Basic weight with 0 mm stroke | 4146 g |
| Additional weight per 10 mm stroke | 38 g |
| Material of end caps | Wrought aluminum alloy, anodized |

| Feature | Value |
|--|---|
| Profile material | Wrought aluminum alloy, anodized |
| Note on materials | RoHS-compliant |
| Drive head material | Wrought aluminum alloy, anodized |
| Guide rail material | Rolled steel, Corrotect coated |
| Housing material | High-alloy stainless steel |
| Slide material | Cast aluminum, anodized |
| Toothed belt clamping component material | Wrought aluminum alloy, anodized |
| Toothed belt material | Polychloroprene with glass cord and nylon coating |