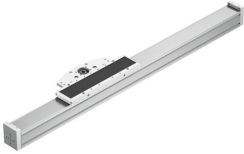


# Cantilever linear actuator ELCC-TB-KF-70-1200-0H-P0-CR

Part number: 8082398

FESTO



General operating condition

## Data sheet

| Feature                                       | Value                             |
|-----------------------------------------------|-----------------------------------|
| Drive pinion effective diameter               | 30.558 mm                         |
| Working stroke                                | 1200 mm                           |
| Size                                          | 70                                |
| 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 <sup>2</sup>               |
| 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 Iy                         | 959740 mm <sup>4</sup>            |
| 2nd moment of area Iz                         | 928740 mm <sup>4</sup>            |
| Max. driving torque                           | 10.4 Nm                           |
| Max. force Fy                                 | 9680 N                            |
| Max. force Fz                                 | 9406 N                            |
| Max. torque Mx                                | 104 Nm                            |
| Max. torque My                                | 826 Nm                            |
| Max. torque Mz                                | 797 Nm                            |
| Max. feed force Fx                            | 600 N                             |
| Mass moment of inertia JH per meter of stroke | 14.7 kgcm <sup>2</sup>            |
| Mass moment of inertia JL per kg of payload   | 2.3 kgcm <sup>2</sup>             |
| Mass moment of inertia JO                     | 10.6 kgcm <sup>2</sup>            |
| Feed constant                                 | 96 mm/U                           |
| Reference service life                        | 5000 km                           |
| Lubrication interval, distance dependent      | 1000 km                           |
| Moving mass at 0 mm stroke                    | 3210 g                            |
| Additional moving mass per 10 mm stroke       | 63 g                              |
| Basic weight with 0 mm stroke                 | 7960 g                            |
| Additional weight per 10 mm stroke            | 63 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 |