

# Electric linear slide EGSK-33-600-6P

Part number: 562777

FESTO



 General operating condition

## Data sheet

| Feature  | Value                      |
|--|----------------------------|
| Working stroke                                 | 600 mm                     |
| Size   | 33                         |
| Reversing backlash                             | ≤20 μm                     |
| Screw diameter                                 | 10 mm                      |
| Spindle pitch                                  | 6 mm/U                     |
| Mounting position                              | Any                        |
| Guide  | Recirculating ball bearing |
| Structural design                              | With ball screw            |
| Homing   | Reference switch           |
| Spindle type                                   | Ball screw                 |
| Symbol   | 00991211                   |
| Max. acceleration                              | 20 m/s <sup>2</sup>        |
| Max. speed                                     | 0.47 m/s                   |
| Repetition accuracy                            | ±0.01 mm                   |
| Corrosion resistance class (CRC)               | 0 - No corrosion stress    |
| LABS (PWIS) conformity                         | VDMA24364 Zone III         |
| Degree of protection                           | IP10                       |
| Ambient temperature                            | 0 °C ... 40 °C             |
| Fixed bearing dynamic basic load rating        | 1790 N                     |
| Linear guide dynamic basic load rating         | 9207 N                     |
| Dynamic basic load rating, ball screw drive    | 2840 N                     |
| 2nd moment of area ly                          | 62000 mm <sup>4</sup>      |
| 2nd moment of area lz                          | 380000 mm <sup>4</sup>     |
| Max. driving torque                            | 0.14 Nm                    |
| Max. force Fy                                  | 2469 N                     |
| Max. force Fz                                  | 2469 N                     |
| Max. torque Mx                                 | 50.1 Nm                    |
| Max. torque My                                 | 16.4 Nm                    |
| Max. torque Mz                                 | 16.4 Nm                    |
| Max. feed force Fx                             | 150 N                      |
| No-load driving torque                         | 0.07 Nm                    |
| Ball screw drive statistical basic load rating | 4900 N                     |
| Linear guide statistical basic load rating     | 20200 N                    |
| Mass moment of inertia JH per meter of stroke  | 0.0771 kgcm <sup>2</sup>   |
| Mass moment of inertia JO                      | 0.0115 kgcm <sup>2</sup>   |

| <b>Feature</b>                        | <b>Value</b>                       |
|---------------------------------------|------------------------------------|
| Feed constant                         | 6 mm/U                             |
| Statistical fixed bearing load rating | 2590 N                             |
| Reference service life                | 3000 km                            |
| Moving mass                           | 310 g                              |
| Slide weight                          | 310 g                              |
| Product weight                        | 5160 g                             |
| Additional slide weight               | 310 g                              |
| Basic weight with 0 mm stroke         | 1380 g                             |
| Additional weight per 10 mm stroke    | 63 g                               |
| Type of mounting                      | With internal thread and dowel pin |
| Material of end caps                  | Die-cast aluminum<br>Coated        |
| Profile material                      | Coated<br>High-alloy steel         |
| Note on materials                     | RoHS compliant                     |
| Drive cover material                  | Die-cast aluminum<br>Coated        |
| Slide material                        | Steel                              |
| Ball screw nut material               | Steel                              |
| Spindle material                      | Steel                              |