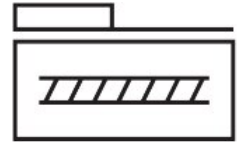
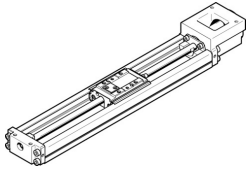


# Electric linear slide EGSK-20-125-1P

Part number: 562760

FESTO



 General operating condition

## Data sheet

| Feature                                        | Value                            |
|------------------------------------------------|----------------------------------|
| Working stroke                                 | 125 mm                           |
| Size                                           | 20                               |
| Reversing backlash                             | $\leq 20 \mu\text{m}$            |
| Screw diameter                                 | 6 mm                             |
| Spindle pitch                                  | 1 mm/U                           |
| Mounting position                              | Any                              |
| Guide                                          | Recirculating ball bearing guide |
| Structural design                              | with ball screw drive            |
| Homing                                         | Reference switch                 |
| Spindle type                                   | Ball screw drive                 |
| Symbol                                         | 00991211                         |
| Max. acceleration                              | 10 m/s <sup>2</sup>              |
| Max. speed                                     | 0.19 m/s                         |
| Repetition accuracy                            | $\pm 0.01 \text{ mm}$            |
| 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        | 1000 N                           |
| Linear guide dynamic basic load rating         | 2849 N                           |
| Dynamic basic load rating, ball screw drive    | 660 N                            |
| 2nd moment of area Iy                          | 6100 mm <sup>4</sup>             |
| 2nd moment of area Iz                          | 62000 mm <sup>4</sup>            |
| Max. driving torque                            | 0.011 Nm                         |
| Max. force Fy                                  | 1389 N                           |
| Max. force Fz                                  | 1389 N                           |
| Max. torque Mx                                 | 18.1 Nm                          |
| Max. torque My                                 | 5.8 Nm                           |
| Max. torque Mz                                 | 5.8 Nm                           |
| Max. feed force Fx                             | 69 N                             |
| No-load driving torque                         | 0.005 Nm                         |
| Ball screw drive statistical basic load rating | 1170 N                           |
| Linear guide statistical basic load rating     | 6300 N                           |
| Mass moment of inertia JH per meter of stroke  | 0.01 kgcm <sup>2</sup>           |
| Mass moment of inertia JO                      | 8.7E-4 kgcm <sup>2</sup>         |

| Feature                               | Value                              |
|---------------------------------------|------------------------------------|
| Feed constant                         | 1 mm/U                             |
| Statistical fixed bearing load rating | 1240 N                             |
| Reference service life                | 500 km                             |
| Moving mass                           | 64 g                               |
| Slide weight                          | 64 g                               |
| Product weight                        | 718 g                              |
| Additional slide weight               | 64 g                               |
| Basic weight with 0 mm stroke         | 380 g                              |
| Additional weight per 10 mm stroke    | 27 g                               |
| Type of mounting                      | With internal thread and dowel pin |
| Material of end caps                  | Die-cast aluminum<br>Coated        |
| Profile material                      | High-alloy stainless steel         |
| Note on materials                     | RoHS-compliant                     |
| Drive cover material                  | Die-cast aluminum<br>Coated        |
| Slide material                        | Steel                              |
| Spindle nut material                  | Steel                              |
| Spindle material                      | Steel                              |