

# Electric linear slide EGSK-46-400-20P

Part number: 562792

FESTO



 General operating condition

## Data sheet

| Feature  | Value                      |
|--|----------------------------|
| Working stroke                                 | 400 mm                     |
| Size   | 46                         |
| Reversing backlash                             | ≤20 μm                     |
| Screw diameter                                 | 15 mm                      |
| Spindle pitch                                  | 20 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                                     | 1.05 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        | 6600 N                     |
| Linear guide dynamic basic load rating         | 21747 N                    |
| Dynamic basic load rating, ball screw drive    | 3040 N                     |
| 2nd moment of area ly                          | 240000 mm <sup>4</sup>     |
| 2nd moment of area lz                          | 1500000 mm <sup>4</sup>    |
| Max. driving torque                            | 0.61 Nm                    |
| Max. force Fy                                  | 3904 N                     |
| Max. force Fz                                  | 3904 N                     |
| Max. torque Mx                                 | 115 Nm                     |
| Max. torque My                                 | 38.7 Nm                    |
| Max. torque Mz                                 | 38.7 Nm                    |
| Max. feed force Fx                             | 192 N                      |
| No-load driving torque                         | 0.1 Nm                     |
| Ball screw drive statistical basic load rating | 7150 N                     |
| Linear guide statistical basic load rating     | 45500 N                    |
| Mass moment of inertia JH per meter of stroke  | 0.39 kgcm <sup>2</sup>     |
| Mass moment of inertia JO                      | 0.154 kgcm <sup>2</sup>    |

| <b>Feature</b>                        | <b>Value</b>                       |
|---------------------------------------|------------------------------------|
| Feed constant                         | 20 mm/U                            |
| Statistical fixed bearing load rating | 3240 N                             |
| Reference service life                | 10000 km                           |
| Moving mass                           | 910 g                              |
| Slide weight                          | 910 g                              |
| Product weight                        | 10250 g                            |
| Additional slide weight               | 910 g                              |
| Basic weight with 0 mm stroke         | 5170 g                             |
| Additional weight per 10 mm stroke    | 127 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                              |