

# Electrical slide EGSK-33-100-10P

Part number: 562778

FESTO



 General operating condition

## Data sheet

| Feature                                       | Value                            |
|---|----------------------------------|
| Working stroke                                | 100 mm                           |
| Size  | 33                               |
| Reversing backlash theoretical                | ≤20 μm                           |
| Spindle diameter                              | 10 mm                            |
| Spindle pitch                                 | 10 mm/U                          |
| Mounting position                             | optional                         |
| Guide   | Recirculating ball bearing guide |
| Design  | With ball screw drive            |
| Referencing                                   | Reference switch                 |
| Spindle type                                  | Ball screw drive                 |
| Symbol  | 00991211                         |
| Max. acceleration                             | 20 m/s <sup>2</sup>              |
| Max. speed                                    | 0.79 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                   |
| Dynamic basic load rating fixed bearing       | 1790 N                           |
| Dynamic basic load rating linear guide        | 9207 N                           |
| Dynamic basic load rating ball screw          | 1760 N                           |
| 2nd moment of area ly                         | 62000 mm <sup>4</sup>            |
| 2nd moment of area lz                         | 380000 mm <sup>4</sup>           |
| Max. drive torque                             | 0.24 Nm                          |
| Max. force Fy                                 | 2083 N                           |
| Max. force Fz                                 | 2083 N                           |
| Max. moment Mx                                | 42.2 Nm                          |
| Max. moment My                                | 13.8 Nm                          |
| Max. moment Mz                                | 13.8 Nm                          |
| Max. feed force Fx                            | 148 N                            |
| Frictional torque independent of load         | 0.07 Nm                          |
| Static basic load rating ball screw           | 2840 N                           |
| Static basic load rating linear guide         | 20200 N                          |
| Mass moment of inertia JH per metre of stroke | 0.0771 kgcm <sup>2</sup>         |
| Mass moment of inertia JO                     | 0.0166 kgcm <sup>2</sup>         |

| <b>Feature</b>                         | <b>Value</b>                    |
|--|---------------------------------|
| Feed constant                          | 10 mm/U                         |
| Static basic load rating fixed bearing | 2590 N                          |
| Reference service life                 | 5000 km                         |
| Moving mass                            | 310 g                           |
| Weight of slide                        | 310 g                           |
| Product weight                         | 2010 g                          |
| Weight of additional slide             | 310 g                           |
| Basic weight for 0 mm stroke           | 1380 g                          |
| Additional weight per 10 mm stroke     | 63 g                            |
| Type of mounting                       | Via female thread and dowel pin |
| Material end cap                       | Die-cast aluminium<br>Coated    |
| Material profile                       | Coated<br>High-alloy steel      |
| Note on materials                      | RoHS-compliant                  |
| Material drive cover                   | Die-cast aluminium<br>Coated    |
| Material slide                         | Steel                           |
| Material ball screw nut                | Steel                           |
| Material spindle                       | Steel                           |