

# Mini slide DGSL-25-150-EA

Part number: 570211

FESTO



 [General operating condition](#)

## Data sheet

| Feature                                                   | Value                                                              |
|-----------------------------------------------------------|--------------------------------------------------------------------|
| Stroke                                                    | 150 mm                                                             |
| Adjustable end-position range/front length                | 66.5 mm                                                            |
| Adjustable end-position range/rear length                 | 5.5 mm                                                             |
| Piston diameter                                           | 32 mm                                                              |
| Drive unit operating mode                                 | Yoke                                                               |
| Cushioning                                                | Short elastic cushioning rings/pads at both ends                   |
| Mounting position                                         | Any                                                                |
| Guide                                                     | Ball bearing cage guide                                            |
| Structural design                                         | Yoke<br>Piston<br>Piston rod<br>Slide                              |
| Position sensing                                          | For proximity sensor                                               |
| Symbol                                                    | 00991263                                                           |
| Operating pressure                                        | 0.1 MPa ... 0.8 MPa                                                |
| Operating pressure                                        | 1 bar ... 8 bar                                                    |
| Max. speed                                                | 0.8 m/s                                                            |
| Repetition accuracy                                       | 0.3 mm                                                             |
| Mode of operation                                         | Double-acting                                                      |
| Operating medium                                          | Compressed air as per ISO 8573-1:2010 [7:4:4]                      |
| Information on operating and pilot media                  | Operation with oil lubrication possible (required for further use) |
| Corrosion resistance class (CRC)                          | 0 - No corrosion stress                                            |
| LABS (PWIS) conformity                                    | VDMA24364-B1/B2-L                                                  |
| Cleanroom suitability, measured according to ISO 14644-14 | Class 7 according to ISO 14644-1                                   |
| Ambient temperature                                       | 0 °C ... 60 °C                                                     |
| Impact energy in the end positions                        | 0.55 J                                                             |
| Cushioning length                                         | 1.3 mm                                                             |
| Max. force F <sub>y</sub>                                 | 4800 N                                                             |
| Max. force F <sub>z</sub>                                 | 4800 N                                                             |
| Max. torque M <sub>x</sub>                                | 130 Nm                                                             |
| Max. torque M <sub>y</sub>                                | 80 Nm                                                              |
| Max. torque M <sub>z</sub>                                | 80 Nm                                                              |
| Theoretical force at 6 bar, retracting                    | 415 N                                                              |
| Theoretical force at 6 bar, advancing                     | 483 N                                                              |
| Moving mass                                               | 2102 g                                                             |
| Product weight                                            | 5424 g                                                             |

| <b>Feature</b>          | <b>Value</b>               |
|-------------------------|----------------------------|
| Alternative connections | See product drawing        |
| Type of mounting        | With through-hole          |
| Pneumatic connection    | G1/8                       |
| Note on materials       | RoHS-compliant             |
| Cover material          | Wrought aluminum alloy     |
| Seals material          | HNBR                       |
| Housing material        | Wrought aluminum alloy     |
| Piston rod material     | High-alloy stainless steel |