

# Mini slide DGSL-10-10-P1A

Part number: 543949

FESTO



 [General operating condition](#)

## Data sheet

| Feature                                    | Value  |
|--|--|
| Stroke                                     | 10 mm  |
| Adjustable end-position range/front length | 27.5 mm  |
| Adjustable end-position range/rear length  | 20 mm  |
| Piston diameter                            | 12 mm  |
| Drive unit operating mode                  | Yoke   |
| Cushioning                                 | Elastic cushioning rings/pads at both ends with fixed stop         |
| 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                         | 0.15 MPa ... 0.8 MPa   |
| Operating pressure                         | 1.5 bar ... 8 bar  |
| Max. speed                                 | 0.8 m/s  |
| Repetition accuracy                        | ±0.01 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 class                            | Class 7 according to ISO 14644-1                                   |
| Ambient temperature                        | 0 °C ... 60 °C   |
| Impact energy in the end positions         | 0.04 J   |
| Cushioning length                          | 3.4 mm   |
| Max. force F <sub>y</sub>                  | 927 N  |
| Max. force F <sub>z</sub>                  | 927 N  |
| Max. torque M <sub>x</sub>                 | 15 Nm  |
| Max. torque M <sub>y</sub>                 | 6 Nm   |
| Max. torque M <sub>z</sub>                 | 6 Nm   |
| Theoretical force at 6 bar, retracting     | 51 N   |
| Theoretical force at 6 bar, advancing      | 68 N   |
| Moving mass                                | 163 g  |
| Product weight                             | 420 g  |

| <b>Feature</b>          | <b>Value</b>               |
|-------------------------|----------------------------|
| Alternative connections | See product drawing        |
| Type of mounting        | With through-hole          |
| Pneumatic connection    | M5                         |
| 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 |