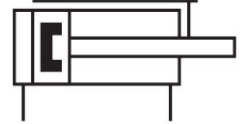


# Mini slide DGSL-16-100-P1A

Part number: 543997

**FESTO**



## Data sheet

| Feature                                    | Value  |
|--|--|
| Stroke                                     | 100 mm   |
| Adjustable end-position range/front length | 72.5 mm  |
| Adjustable end-position range/rear length  | 39.5 mm  |
| Piston diameter                            | 20 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   |
| Operating pressure                         | 0.1 MPa...0.8 MPa<br>1 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         | 0.12 Nm  |
| Cushioning length                          | 4.2 mm   |
| Max. force F <sub>y</sub>                  | 2850 N   |
| Max. force F <sub>z</sub>                  | 2850 N   |
| Max. torque M <sub>x</sub>                 | 50 Nm  |
| Max. torque M <sub>y</sub>                 | 43 Nm  |
| Max. torque M <sub>z</sub>                 | 43 Nm  |
| Theoretical force at 6 bar, retracting     | 158 N  |

| Feature                               | Value                      |
|---------------------------------------|----------------------------|
| Theoretical force at 6 bar, advancing | 188 N                      |
| Moving mass                           | 776 g                      |
| Product weight                        | 1792 g                     |
| 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 |