

# Mini slide DGST-16-30-PA

Part number: 8085132

FESTO



[PDF](#) [General operating condition](#)

## Data sheet

| Feature   | Value  |
|---|--|
| Stroke  | 30 mm  |
| Adjustable end-position range/front length                | 22.8 mm  |
| Adjustable end-position range/rear length                 | 21.5 mm  |
| Piston diameter   | 16 mm  |
| Drive unit operating mode                                 | Yoke   |
| Cushioning  | Elastic cushioning rings/pads at both ends                         |
| Mounting position   | Any  |
| Guide   | Recirculating ball bearing guide                                   |
| Structural design   | Yoke<br>Piston rod<br>Slide  |
| Position sensing  | For proximity sensor   |
| Symbol  | 00991249   |
| Operating pressure  | 0.1 MPa ... 0.8 MPa  |
| Operating pressure  | 1 bar ... 8 bar  |
| Operating pressure  | 14.5 psi ... 116 psi   |
| 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)                          | 1 - Low corrosion stress   |
| LABS (PWIS) conformity                                    | VDMA24364-B1/B2-L  |
| Cleanroom suitability, measured according to ISO 14644-14 | Class 6 according to ISO 14644-1                                   |
| Ambient temperature                                       | -10 °C ... 60 °C   |
| Impact energy in the end positions                        | 0.25 J   |
| Cushioning length   | 1 mm   |
| Max. force F <sub>y</sub>                                 | 860 N  |
| Max. force F <sub>z</sub>                                 | 860 N  |
| Max. torque M <sub>x</sub>                                | 11.3 Nm  |
| Max. torque M <sub>y</sub>                                | 7.5 Nm   |
| Max. torque M <sub>z</sub>                                | 7.5 Nm   |
| Theoretical force at 6 bar, retracting                    | 207 N  |
| Theoretical force at 6 bar, advancing                     | 241 N  |

| <b>Feature</b>       | <b>Value</b>                     |
|----------------------|----------------------------------|
| Moving mass          | 318 g                            |
| Product weight       | 592 g                            |
| Type of mounting     | With through-hole                |
| Pneumatic connection | M5                               |
| Note on materials    | RoHS-compliant                   |
| Cover material       | Wrought aluminum alloy           |
| Seals material       | HNBR                             |
| Guide material       | POM<br>TPE-E<br>High-alloy steel |
| Housing material     | Wrought aluminum alloy           |
| Piston rod material  | High-alloy stainless steel       |