

Mini slide DGST-16-100-PA

Part number: 8085136

FESTO



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

Data sheet

| Feature | Value |
|---|--|
| Stroke | 100 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 |
| Structural design | Yoke Piston rod Slide |
| Position sensing | Via proximity switch |
| 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 _y | 940 N |
| Max. force F _z | 940 N |
| Max. torque M _x | 12 Nm |
| Max. torque M _y | 10 Nm |
| Max. torque M _z | 10 Nm |
| Theoretical force at 6 bar, retracting | 207 N |
| Theoretical force at 6 bar, advancing | 241 N |

| Feature | Value |
|----------------------|----------------------------------|
| Moving mass | 556 g |
| Product weight | 1142 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 TPE-E High-alloy steel |
| Housing material | Wrought aluminum alloy |
| Piston rod material | high-alloy stainless steel |