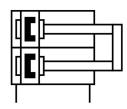
## Mini slide DGST-25-10-PA Part number: 8085149





General operating condition

## **Data sheet**

| Feature                                    | Value  |
|--|--|
| Stroke                                     | 10 mm  |
| Adjustable end-position range/front length | 10.2 mm  |
| Adjustable end-position range/rear length  | 10.2 mm  |
| Piston diameter                            | 25 mm  |
| Drive unit operating mode                  | Yoke   |
| Cushioning                                 | Elastic cushioning rings/pads at both ends                         |
| Mounting position                          | Any  |
| Guide                                      | Ball bearing cage guide  |
| Structural design                          | Twin piston<br>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 class                            | Class 6 according to ISO 14644-1                                   |
| Ambient temperature                        | -10 °C 60 °C   |
| Impact energy in the end positions         | 0.45 J   |
| Cushioning length                          | 1.2 mm   |
| Max. force Fy                              | 1840 N   |
| Max. force Fz                              | 1840 N   |
| Max. torque Mx                             | 19 Nm  |
| Max. torque My                             | 21 Nm  |
| Max. torque Mz                             | 21 Nm  |
| Theoretical force at 6 bar, retracting     | 495 N  |
| Theoretical force at 6 bar, advancing      | 589 N  |

## FESTO

| Feature              | Value                            |
|----------------------|----------------------------------|
| Moving mass          | 850.5 g                          |
| Product weight       | 1736 g                           |
| Type of mounting     | With through-hole                |
| Pneumatic connection | G1/8                             |
| 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       |