

# Mini slide DGSL-25- -

Part number: 543909

**FESTO**



## Data sheet

| Feature                                                   | Value                                                                                                                                                                                                                                                                                                                          |
|-----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Stroke                                                    | 10 mm...200 mm                                                                                                                                                                                                                                                                                                                 |
| Piston diameter                                           | 32 mm                                                                                                                                                                                                                                                                                                                          |
| Drive unit operating mode                                 | Yoke                                                                                                                                                                                                                                                                                                                           |
| Cushioning                                                | Short elastic cushioning rings/pads at both ends<br>No cushioning<br>Elastic cushioning rings/pads at both ends<br>Elastic cushioning rings/pads at both ends with fixed stop<br>Self-adjusting pneumatic shock absorber, progressive at both ends, with reducing sleeve<br>Progressive pneumatic shock absorbers at both ends |
| 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                                                                                                                                                                                                                                                                                                                        |
| 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 suitability, measured according to ISO 14644-14 | Class 7 according to ISO 14644-1                                                                                                                                                                                                                                                                                               |
| Ambient temperature                                       | 0 °C...60 °C                                                                                                                                                                                                                                                                                                                   |
| Theoretical force at 6 bar, retracting                    | 415 N                                                                                                                                                                                                                                                                                                                          |
| Theoretical force at 6 bar, advancing                     | 483 N                                                                                                                                                                                                                                                                                                                          |
| Alternative connections                                   | See product drawing                                                                                                                                                                                                                                                                                                            |
| Type of mounting                                          | With through-hole                                                                                                                                                                                                                                                                                                              |
| Pneumatic connection                                      | G1/8                                                                                                                                                                                                                                                                                                                           |
| Note on materials                                         | RoHS-compliant                                                                                                                                                                                                                                                                                                                 |
| Cover material                                            | Wrought aluminum alloy                                                                                                                                                                                                                                                                                                         |

| Feature             | Value                      |
|---------------------|----------------------------|
| Seals material      | HNBR                       |
| Housing material    | Wrought aluminum alloy     |
| Piston rod material | High-alloy stainless steel |