


# Mini slide DGST-8- -

Part number: 8073892

FESTO



 [General operating condition](#)

## Data sheet

Overall data sheet – Individual values depend upon your configuration.

| Feature  | Value  |
|--|--|
| Stroke   | 10 mm ... 80 mm  |
| Adjustable end position range/length front         | 6.05 mm ... 16.3 mm  |
| Adjustable end position range/length rear          | 6.9 mm ... 15.7 mm   |
| Piston diameter                                    | 8 mm   |
| Operating mode, drive unit                         | Yoke   |
| Cushioning   | Short elastic cushioning rings/pads at both ends<br>Elastomer cushioning, double-sided, stroke not adjustable<br>Elastic cushioning rings/plates at both ends<br>Elastic cushioning rings/pads at both ends with fixed stop<br>External hydraulic cushioning |
| Mounting position                                  | optional   |
| Guide  | Recirculating ball bearing guide   |
| Design   | Twin piston<br>Yoke<br>Piston rod<br>Slide   |
| Position detection                                 | Via proximity switch   |
| Symbol   | 00991249   |
| Variants   | Metals with copper, zinc or nickel by mass as main constituent are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils.                               |
| Operating pressure                                 | 0.15 MPa ... 0.8 MPa   |
| Operating pressure                                 | 1.5 bar ... 8 bar  |
| Operating pressure                                 | 21.75 psi ... 116 psi  |
| Max. speed   | 0.5 m/s ... 0.8 m/s  |
| Repetition accuracy                                | ≤ 0.3 mm<br>≤ 0.02 mm  |
| Mode of operation                                  | Double-acting  |
| Operating medium                                   | Compressed air to ISO 8573-1:2010 [7:4:4]  |
| Note on operating and pilot medium                 | Lubricated operation possible (in which case lubricated operation will always be required)   |
| Corrosion resistance class CRC                     | 1 - Low corrosion stress   |
| LABS (PWIS) conformity                             | VDMA24364-B1/B2-L  |
| Suitability for the production of Li-ion batteries | Suitable for battery production according to the Festo internal definition of the degree of severity F1A with restrictions regarding the use of Cu/Zn/Ni   |

| Feature  | Value                            |
|--|----------------------------------|
| Cleanroom class  | Class 6 according to ISO 14644-1 |
| Ambient temperature  | -10 °C ... 60 °C                 |
| Impact energy in end positions                               | 0.02 J ... 0.4 J                 |
| Cushioning length  | 1.6 mm ... 4 mm                  |
| Max. force Fy  | 250 N ... 375 N                  |
| Max. force Fz  | 250 N ... 375 N                  |
| Max. moment Mx   | 2 Nm ... 3.2 Nm                  |
| Max. moment My   | 2 Nm ... 3 Nm                    |
| Max. moment Mz   | 2 Nm ... 3 Nm                    |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke  | 45 N                             |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke | 60 N                             |
| Moving mass  | 69 g ... 163.4 g                 |
| Product weight   | 129 g ... 326.8 g                |
| Type of mounting   | With through-hole                |
| Pneumatic connection   | M5                               |
| Note on materials  | RoHS-compliant                   |
| Material cover   | Wrought aluminium alloy          |
| Material seals   | HNBR                             |
| Material guide   | POM<br>TPE-E<br>High-alloy steel |
| Material housing   | Wrought aluminium alloy          |
| Material piston rod  | High-alloy stainless steel       |