

# Mini slide DGST-25-20-PA

Part number: 8085150

FESTO



## Data sheet

| Feature                                    | Value  |
|--|--|
| Stroke                                     | 20 mm  |
| Adjustable end position range/length front | 20.2 mm  |
| Adjustable end position range/length rear  | 20.2 mm  |
| Piston diameter                            | 25 mm  |
| Operating mode, drive unit                 | Yoke   |
| Cushioning                                 | Elastic cushioning rings/plates at both ends   |
| Mounting position                          | optional   |
| Guide                                      | Ball bearing cage guide  |
| Design                                     | Twin piston<br>Yoke<br>Piston rod<br>Slide   |
| Position detection                         | Via proximity switch   |
| Operating pressure                         | 0.1 MPa...0.8 MPa<br>1 bar...8 bar<br>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 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  |
| Ambient temperature                        | -10 °C...60 °C   |
| Impact energy in end positions             | 0.45 J   |
| Cushioning length                          | 1.2 mm   |
| Max. force F <sub>y</sub>                  | 1460 N   |
| Max. force F <sub>z</sub>                  | 1460 N   |
| Max. moment M <sub>x</sub>                 | 16 Nm  |
| Max. moment M <sub>y</sub>                 | 16 Nm  |
| Max. moment M <sub>z</sub>                 | 16 Nm  |

| <b>Feature</b>   | <b>Value</b>                     |
|--|----------------------------------|
| Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke  | 495 N                            |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke | 589 N                            |
| Moving mass  | 874.5 g                          |
| Product weight   | 1801 g                           |
| Type of mounting   | With through-hole                |
| Pneumatic connection   | G1/8                             |
| 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       |