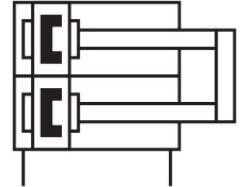


# Mini slide DGST-16-125-PA

Part number: 8085137

FESTO



## Data sheet

| Feature                                    | Value                                                                                      |
|--------------------------------------------|--------------------------------------------------------------------------------------------|
| Stroke                                     | 125 mm                                                                                     |
| Adjustable end position range/length front | 22.8 mm                                                                                    |
| Adjustable end position range/length rear  | 21.5 mm                                                                                    |
| Piston diameter                            | 16 mm                                                                                      |
| Operating mode, drive unit                 | Yoke                                                                                       |
| Cushioning                                 | Elastic cushioning rings/plates at both ends                                               |
| Mounting position                          | optional                                                                                   |
| Guide                                      | Recirculating ball bearing 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                                                                          |
| Cleanroom class                            | Class 6 according to ISO 14644-1                                                           |
| Ambient temperature                        | -10 °C...60 °C                                                                             |
| Impact energy in end positions             | 0.25 J                                                                                     |
| Cushioning length                          | 1 mm                                                                                       |
| Max. force Fy                              | 960 N                                                                                      |
| Max. force Fz                              | 960 N                                                                                      |
| Max. moment Mx                             | 14 Nm                                                                                      |
| Max. moment My                             | 15 Nm                                                                                      |

| Feature                                                      | Value                            |
|--------------------------------------------------------------|----------------------------------|
| Max. moment Mz                                               | 15 Nm                            |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke  | 207 N                            |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke | 241 N                            |
| Moving mass                                                  | 678 g                            |
| Product weight                                               | 1376 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       |