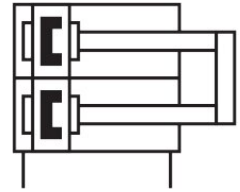


# Mini slide DGST-8-30-Y12A

Part number: 8085162

**FESTO**



## Data sheet

| Feature                                                   | Value                                                              |
|-----------------------------------------------------------|--------------------------------------------------------------------|
| Stroke                                                    | 30 mm                                                              |
| Adjustable end-position range/front length                | 17.6 mm                                                            |
| Adjustable end-position range/rear length                 | 15.7 mm                                                            |
| Piston diameter                                           | 8 mm                                                               |
| Drive unit operating mode                                 | Yoke                                                               |
| Cushioning                                                | External hydraulic cushioning                                      |
| Mounting position                                         | Any                                                                |
| Guide                                                     | Recirculating ball bearing                                         |
| Structural design                                         | Double piston<br>Yoke<br>Piston rod<br>Slide                       |
| Position sensing                                          | Via proximity switch                                               |
| Operating pressure                                        | 0.15 MPa...0.8 MPa<br>1.5 bar...8 bar<br>21.75 psi...116 psi       |
| Max. speed                                                | 0.8 m/s                                                            |
| Repetition accuracy                                       | <= 0.02 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 suitability, measured according to ISO 14644-14 | Class 6 according to ISO 14644-1                                   |
| Ambient temperature                                       | -10 °C...60 °C                                                     |
| Impact energy in the end positions                        | 0.4 J                                                              |
| Cushioning length                                         | 4 mm                                                               |
| Max. force Fy                                             | 300 N                                                              |
| Max. force Fz                                             | 300 N                                                              |
| Max. torque Mx                                            | 2.8 Nm                                                             |
| Max. torque My                                            | 2 Nm                                                               |
| Max. torque Mz                                            | 2 Nm                                                               |

| Feature                                | Value                            |
|----------------------------------------|----------------------------------|
| Theoretical force at 6 bar, retracting | 45 N                             |
| Theoretical force at 6 bar, advancing  | 60 N                             |
| Moving mass                            | 99.8 g                           |
| Product weight                         | 191.6 g                          |
| Type of mounting                       | With through-hole                |
| Pneumatic connection                   | M5                               |
| 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       |