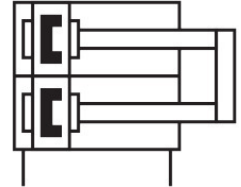


# Mini slide DGST-6-30-PA

Part number: 8085107

FESTO



## Data sheet

| Feature                                    | Value  |
|--|--|
| Stroke                                     | 30 mm  |
| Adjustable end-position range/front length | 13.1 mm  |
| Adjustable end-position range/rear length  | 11.6 mm  |
| Piston diameter                            | 6 mm   |
| Drive unit operating mode                  | Yoke   |
| Cushioning                                 | Elastic cushioning rings/pads at both ends                         |
| Mounting position                          | Any  |
| Guide                                      | Recirculating ball bearing guide                                   |
| Structural design                          | Twin piston<br>Yoke<br>Piston rod<br>Slide                         |
| Position sensing                           | For proximity sensor   |
| Operating pressure                         | 0.15 MPa...0.8 MPa<br>1.5 bar...8 bar<br>21.75 psi...116 psi       |
| Max. speed                                 | 0.5 m/s  |
| Repetition accuracy                        | <= 0.3 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 class                            | Class 6 according to ISO 14644-1                                   |
| Ambient temperature                        | -10 °C...60 °C   |
| Impact energy in the end positions         | 0.018 J  |
| Cushioning length                          | 0.9 mm   |
| Max. force Fy                              | 240 N  |
| Max. force Fz                              | 240 N  |
| Max. torque Mx                             | 1.1 Nm   |
| Max. torque My                             | 1.2 Nm   |
| Max. torque Mz                             | 1.2 Nm   |

| Feature                                | Value                            |
|--|----------------------------------|
| Theoretical force at 6 bar, retracting | 25 N                             |
| Theoretical force at 6 bar, advancing  | 34 N                             |
| Moving mass                            | 70 g                             |
| Product weight                         | 134 g                            |
| Type of mounting                       | With through-hole                |
| Pneumatic connection                   | M3                               |
| 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       |