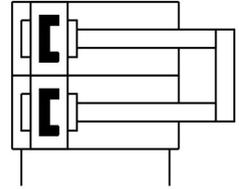


# Mini slide DGST-16-80-E1A

Part number: 8078858

FESTO



## Data sheet

| Feature                                  | Value  |
|--|--|
| Stroke                                   | 80 mm  |
| Piston diameter                          | 16 mm  |
| Drive unit operating mode                | Yoke   |
| Cushioning                               | Elastomer cushioning, at both ends, stroke not adjustable          |
| Mounting position                        | Any  |
| Guide                                    | Recirculating ball bearing guide                                   |
| Structural design                        | Twin piston<br>Yoke<br>Piston rod<br>Slide                         |
| Position sensing                         | For proximity sensor   |
| Symbol                                   | 00991249   |
| Operating pressure                       | 0.1 MPa ... 0.8 MPa  |
| Operating pressure                       | 1 bar ... 8 bar  |
| Operating pressure                       | 14.5 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  |
| Ambient temperature                      | -10 °C ... 60 °C   |
| Impact energy in the end positions       | 0.15 J   |
| Cushioning length                        | 0.8 mm   |
| Max. force F <sub>y</sub>                | 920 N  |
| Max. force F <sub>z</sub>                | 920 N  |
| Max. torque M <sub>x</sub>               | 12 Nm  |
| Max. torque M <sub>y</sub>               | 10 Nm  |
| Max. torque M <sub>z</sub>               | 10 Nm  |
| Theoretical force at 6 bar, retracting   | 207 N  |
| Theoretical force at 6 bar, advancing    | 241 N  |
| Moving mass                              | 462 g  |
| Product weight                           | 930 g  |
| Type of mounting                         | With through-hole  |
| Pneumatic connection                     | M5   |

| Feature             | Value                            |
|---------------------|----------------------------------|
| 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       |