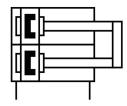
## Mini slide **DGST-12-20-E1A** Part number: 8078847





General operating condition

## **Data sheet**

| Feature                                  | Value  |
|--|--|
| Stroke                                   | 20 mm  |
| Piston diameter                          | 12 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  |
| Cleanroom class                          | Class 6 according to ISO 14644-1                                   |
| Ambient temperature                      | -10 °C 60 °C   |
| Impact energy in the end positions       | 0.07 J   |
| Cushioning length                        | 1.1 mm   |
| Max. force Fy                            | 520 N  |
| Max. force Fz                            | 520 N  |
| Max. torque Mx                           | 4.2 Nm   |
| Max. torque My                           | 4.2 Nm   |
| Max. torque Mz                           | 4.2 Nm   |
| Theoretical force at 6 bar, retracting   | 102 N  |
| Theoretical force at 6 bar, advancing    | 136 N  |
| Moving mass                              | 238 g  |
| Product weight                           | 456 g  |

## **FESTO**

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