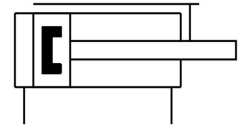


# Mini slide DGSL-8-20-PA

Part number: 543927

FESTO



## Data sheet

| Feature                                    | Value  |
|--|--|
| Stroke                                     | 20 mm  |
| Adjustable end-position range/front length | 29.5 mm  |
| Adjustable end-position range/rear length  | 18.5 mm  |
| Piston diameter                            | 10 mm  |
| Type code                                  | DGSL   |
| Drive unit operating mode                  | Yoke   |
| Cushioning                                 | Elastic cushioning rings/pads at both ends                         |
| Mounting position                          | Any  |
| Guide                                      | Ball bearing cage guide  |
| Structural design                          | Yoke<br>Piston<br>Piston rod<br>Slide                              |
| Position sensing                           | For proximity sensor   |
| Symbol                                     | 00991263   |
| Operating pressure                         | 0.15 MPa ... 0.8 MPa   |
| Operating pressure                         | 1.5 bar ... 8 bar  |
| Max. speed                                 | 0.8 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)           | 0 - No corrosion stress  |
| Ambient temperature                        | 0 °C ... 60 °C   |
| Impact energy in the end positions         | 0.08 J   |
| Cushioning length                          | 1.5 mm   |
| Max. force F <sub>y</sub>                  | 745 N  |
| Max. force F <sub>z</sub>                  | 745 N  |
| Max. torque M <sub>x</sub>                 | 8 Nm   |
| Max. torque M <sub>y</sub>                 | 5.5 Nm   |
| Max. torque M <sub>z</sub>                 | 5.5 Nm   |
| Theoretical force at 6 bar, retracting     | 40 N   |
| Theoretical force at 6 bar, advancing      | 47 N   |
| Moving mass                                | 111 g  |
| Product weight                             | 275 g  |
| Alternative connections                    | See product drawing  |

| <b>Feature</b>       | <b>Value</b>                              |
|----------------------|---|
| Type of mounting     | With through-hole                         |
| Pneumatic connection | M3  |
| Note on materials    | Free of copper and PTFE<br>RoHS-compliant |
| Cover material       | Wrought aluminum alloy                    |
| Seals material       | HNBR                                      |
| Housing material     | Wrought aluminum alloy                    |
| Piston rod material  | High-alloy stainless steel                |