

# Mini slide SLF-10-20-P-A

Part number: 170507

FESTO



## Data sheet

| Feature                                  | Value                                                              |
|------------------------------------------|--------------------------------------------------------------------|
| Stroke                                   | 20 mm                                                              |
| Adjustable end position range/length     | 5 mm                                                               |
| Piston diameter                          | 10 mm                                                              |
| Type code                                | SLF                                                                |
| 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>Ball roller guide<br>Slide         |
| Position sensing                         | For proximity sensor                                               |
| Symbol                                   | 00991737                                                           |
| Operating pressure                       | 1 bar ... 10 bar                                                   |
| 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                      | -20 °C ... 60 °C                                                   |
| Impact energy in the end positions       | 0.05 J                                                             |
| Max. force Fy                            | 150 N                                                              |
| Max. force Fz                            | 150 N                                                              |
| Max. torque Mx                           | 1.1 Nm                                                             |
| Max. torque My                           | 1.1 Nm                                                             |
| Max. torque Mz                           | 0.7 Nm                                                             |
| Theoretical force at 6 bar, retracting   | 40 N                                                               |
| Theoretical force at 6 bar, advancing    | 47 N                                                               |
| Moving mass                              | 48 g                                                               |
| Basic weight with 0 mm stroke            | 156 g                                                              |
| Product weight                           | 110 g                                                              |
| Alternative connections                  | See product drawing                                                |
| Type of mounting                         | With through-hole                                                  |
| Pneumatic connection                     | M5                                                                 |
| Note on materials                        | Free of copper and PTFE                                            |
| Cover material                           | Wrought aluminum alloy                                             |

| Feature             | Value                      |
|---------------------|----------------------------|
| Seals material      | HNBR                       |
| Housing material    | Wrought aluminum alloy     |
| Piston rod material | High-alloy stainless steel |