

# Mini slide SLF-10-40-P-A

Part number: 170509

FESTO



## Data sheet

| Feature                                  | Value  |
|--|--|
| Stroke                                   | 40 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  |
| Design                                   | Yoke<br>Piston rod<br>Piston<br>Slide<br>Ball roller guide         |
| 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 F <sub>y</sub>                | 150 N  |
| Max. force F <sub>z</sub>                | 150 N  |
| Max. torque M <sub>x</sub>               | 0.9 Nm   |
| Max. torque M <sub>y</sub>               | 0.9 Nm   |
| Max. torque M <sub>z</sub>               | 0.5 Nm   |
| Theoretical force at 6 bar, retracting   | 40 N   |
| Theoretical force at 6 bar, advancing    | 47 N   |
| Moving mass                              | 60 g   |
| Basic weight with 0 mm stroke            | 178 g  |
| Product weight                           | 147 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 |