

# Mini slide SLF-10-50-P-A

Part number: 170510

FESTO



 [General operating condition](#)

## Data sheet

| Feature  | Value  |
|--|--|
| Stroke   | 50 mm  |
| Adjustable end-position range/length                         | 5 mm   |
| Piston diameter  | 10 mm  |
| Operating mode, drive unit                                   | Yoke   |
| Cushioning   | Elastic cushioning rings/plates at both ends   |
| Mounting position  | Any  |
| Guide  | Ball bearing cage guide  |
| Design   | Yoke<br>Piston<br>Piston rod<br>Ball cage guide<br>Slide                                   |
| Position detection   | Via proximity switch   |
| Symbol   | 00991737   |
| Operating pressure   | 0.1 MPa ... 1 MPa  |
| Operating pressure   | 1 bar ... 10 bar   |
| Operating pressure   | 14.5 psi ... 145 psi   |
| Mode of operation  | Double-acting  |
| Operating medium   | Compressed air to ISO 8573-1:2010 [7:4:4]  |
| Note on operating and pilot medium                           | Lubricated operation possible (in which case lubricated operation will always be required) |
| Corrosion resistance class CRC                               | 0 - No corrosion stress  |
| LABS (PWIS) conformity                                       | VDMA24364-B2-L   |
| Ambient temperature  | -20 °C ... 60 °C   |
| Impact energy in end positions                               | 0.05 J   |
| Max. force F <sub>y</sub>                                    | 190 N  |
| Max. force F <sub>z</sub>                                    | 190 N  |
| Max. moment M <sub>x</sub>                                   | 1.4 Nm   |
| Max. moment M <sub>y</sub>                                   | 1.4 Nm   |
| Max. moment M <sub>z</sub>                                   | 0.5 Nm   |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke  | 40 N   |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke | 47 N   |
| Moving mass  | 79 g   |
| Product weight   | 227 g  |
| Basic weight for 0 mm stroke                                 | 227 g  |
| alternative connections                                      | See product drawing  |
| Type of mounting   | With through-hole  |

| <b>Feature</b>       | <b>Value</b>               |
|----------------------|----------------------------|
| Pneumatic connection | M5                         |
| Note on materials    | RoHS compliant             |
| Material cover       | Wrought aluminium alloy    |
| Material seals       | HNBR                       |
| Material housing     | Wrought aluminium alloy    |
| Material piston rod  | High-alloy stainless steel |