

# Mini slide SLS- 6-25-P-A

Part number: 170489

FESTO



 General operating condition

## Data sheet

| Feature                                                      | Value                                                                                      |
|--------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| Stroke                                                       | 25 mm                                                                                      |
| Piston diameter                                              | 6 mm                                                                                       |
| Operating mode, drive unit                                   | Yoke                                                                                       |
| Cushioning                                                   | Elastic cushioning rings/plates at both ends                                               |
| Mounting position                                            | optional                                                                                   |
| Guide                                                        | Ball bearing cage guide                                                                    |
| Design                                                       | Yoke<br>Piston<br>Piston rod<br>Ball roller guide<br>Slide                                 |
| Position detection                                           | Via proximity switch                                                                       |
| Symbol                                                       | 00991737                                                                                   |
| Operating pressure                                           | 0.15 MPa ... 1 MPa                                                                         |
| Operating pressure                                           | 1.5 bar ... 10 bar                                                                         |
| Operating pressure                                           | 21.75 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                               | 0.008 J                                                                                    |
| Max. force F <sub>y</sub>                                    | 150 N                                                                                      |
| Max. force F <sub>z</sub>                                    | 150 N                                                                                      |
| Max. moment M <sub>x</sub>                                   | 0.9 Nm                                                                                     |
| Max. moment M <sub>y</sub>                                   | 0.9 Nm                                                                                     |
| Max. moment M <sub>z</sub>                                   | 0.6 Nm                                                                                     |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke  | 13 N                                                                                       |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke | 17 N                                                                                       |
| Moving mass                                                  | 37 g                                                                                       |
| Product weight                                               | 131 g                                                                                      |
| alternative connections                                      | See product drawing                                                                        |
| Type of mounting                                             | With through-hole                                                                          |
| Pneumatic connection                                         | M5                                                                                         |
| Note on materials                                            | RoHS-compliant                                                                             |

| Feature          | Value                            |
|------------------|----------------------------------|
| Material cover   | Anodised wrought aluminium alloy |
| Material guide   | Steel                            |
| Material housing | High-alloy stainless steel       |