

Mini slide SLF-6-20-P-A

Part number: 170504

FESTO



 [General operating condition](#)

Data sheet

| Feature | Value |
|--|--|
| Stroke | 20 mm |
| Adjustable end-position range/length | 5 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 Piston Piston rod Ball roller guide 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 | 0.016 J |
| Max. force F _y | 150 N |
| Max. force F _z | 150 N |
| Max. moment M _x | 1.1 Nm |
| Max. moment M _y | 1.1 Nm |
| Max. moment M _z | 0.7 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 | 124 g |
| Basic weight for 0 mm stroke | 124 g |
| alternative connections | See product drawing |
| Type of mounting | With through-hole |

| Feature | Value |
|----------------------|----------------------------|
| 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 |