

# Mini slide DGSL-20-10-PA

Part number: 544005

FESTO



## Data sheet

| Feature   | Value  |
|---|--|
| Stroke  | 10 mm  |
| Adjustable end position range/length front                  | 50.5 mm  |
| Adjustable end position range/length rear                   | 49.5 mm  |
| Piston diameter   | 25 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>Slide  |
| Position detection  | Via proximity switch   |
| Operating pressure  | 0.1 MPa...0.8 MPa<br>1 bar...8 bar   |
| Max. speed  | 0.8 m/s  |
| Repetition accuracy   | 0.3 mm   |
| 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-B1/B2-L  |
| Cleanroom class   | Class 7 according to ISO 14644-1   |
| Ambient temperature   | 0 °C...60 °C   |
| Impact energy in end positions                              | 0.45 Nm  |
| Cushioning length   | 1.2 mm   |
| Max. force Fy   | 2911 N   |
| Max. force Fz   | 2911 N   |
| Max. moment Mx  | 60 Nm  |
| Max. moment My  | 30 Nm  |
| Max. moment Mz  | 30 Nm  |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke | 247 N  |

| Feature  | Value                      |
|--|----------------------------|
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke | 295 N                      |
| Moving mass  | 660 g                      |
| Product weight   | 1699 g                     |
| alternative connections                                      | See product drawing        |
| Type of mounting   | With through-hole          |
| Pneumatic connection   | G1/8                       |
| 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 |