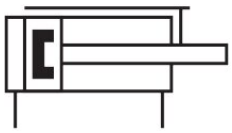
# Mini slide
# DGSL-12-10-P1A

Part number: 543969





## Data sheet

| Feature | Value |
|---|---|
| Stroke | 10 mm |
| Adjustable end position range/length front | 29 mm |
| Adjustable end position range/length rear | 25.5 mm |
| Piston diameter | 16 mm |
| Operating mode, drive unit | Yoke |
| Cushioning | Elastic cushioning rings/pads at both ends with fixed stop |
| 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 | ±0.01 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 suitability, measured according to ISO 14644-14 | Class 7 according to ISO 14644-1 |
| Ambient temperature | 0 °C...60 °C |
| Impact energy in end positions | 0.06 Nm |
| Cushioning length | 3.7 mm |
| Max. force Fy | 942 N |
| Max. force Fz | 942 N |
| Max. moment Mx | 15 Nm |
| Max. moment My | 8 Nm |
| Max. moment Mz | 8 Nm |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke | 104 N |

| Feature | Value |
|---|---|
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke | 121 N |
| Moving mass | 256 g |
| Product weight | 644 g |
| alternative connections | See product drawing |
| Type of mounting | With through-hole |
| 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 |