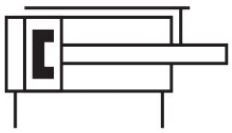
# Mini slide
# DGSL-12-50-EA

Part number: 570183



## Data sheet

| Feature | Value |
|---|---|
| Stroke | 50 mm |
| Adjustable end-position range/front length | 9 mm |
| Adjustable end-position range/rear length | 5.5 mm |
| Piston diameter | 16 mm |
| Drive unit operating mode | Yoke |
| Cushioning | Short elastic cushioning rings/pads at both ends |
| Mounting position | Any |
| Guide | Ball bearing cage guide |
| Structural design | Yoke<br>Piston<br>Piston rod<br>Slide |
| Position sensing | 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 as per ISO 8573-1:2010 [7:4:4] |
| Information on operating and pilot media | Operation with oil lubrication possible (required for further use) |
| Corrosion resistance class (CRC) | 0 - No corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B1/B2-L |
| Cleanroom suitability, measured according to ISO 14644-14 | Class 6 according to ISO 14644-1 |
| Ambient temperature | 0 °C...60 °C |
| Impact energy in the end positions | 0.25 Nm |
| Cushioning length | 1 mm |
| Max. force Fy | 1200 N |
| Max. force Fz | 1200 N |
| Max. torque Mx | 18 Nm |
| Max. torque My | 12 Nm |
| Max. torque Mz | 12 Nm |
| Theoretical force at 6 bar, retracting | 104 N |

| Feature | Value |
|---|---|
| Theoretical force at 6 bar, advancing | 121 N |
| Moving mass | 340 g |
| Product weight | 837 g |
| Alternative connections | See product drawing |
| Type of mounting | With through-hole |
| Pneumatic connection | M5 |
| Note on materials | RoHS compliant |
| Cover material | Wrought aluminum alloy |
| Seals material | HNBR |
| Housing material | Wrought aluminum alloy |
| Piston rod material | high-alloy stainless steel |