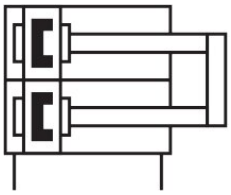
# Mini slide
# DGST-12-80-PA

Part number: 8085128





## Data sheet

| Feature | Value |
|---|---|
| Stroke | 80 mm |
| Adjustable end-position range/front length | 22.1 mm |
| Adjustable end-position range/rear length | 20.8 mm |
| Piston diameter | 12 mm |
| Drive unit operating mode | Yoke |
| Cushioning | Elastic cushioning rings/pads at both ends |
| Mounting position | Any |
| Guide | Recirculating ball bearing |
| Structural design | Double piston<br>Yoke<br>Piston rod<br>Slide |
| Position sensing | Via proximity switch |
| Operating pressure | 0.1 MPa...0.8 MPa<br>1 bar...8 bar<br>14.5 psi...116 psi |
| 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) | 1 - Low 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 | -10 °C...60 °C |
| Impact energy in the end positions | 0.12 J |
| Cushioning length | 1.3 mm |
| Max. force Fy | 600 N |
| Max. force Fz | 600 N |
| Max. torque Mx | 8.9 Nm |
| Max. torque My | 6.5 Nm |
| Max. torque Mz | 6.5 Nm |

| Feature | Value |
|---|---|
| Theoretical force at 6 bar, retracting | 102 N |
| Theoretical force at 6 bar, advancing | 136 N |
| Moving mass | 383 g |
| Product weight | 822 g |
| Type of mounting | With through-hole |
| Pneumatic connection | M5 |
| Note on materials | RoHS compliant |
| Cover material | Wrought aluminum alloy |
| Seals material | HNBR |
| Guide material | POM<br>TPE-E<br>High-alloy steel |
| Housing material | Wrought aluminum alloy |
| Piston rod material | high-alloy stainless steel |