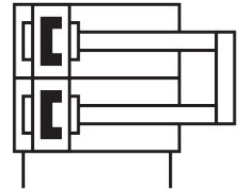


Mini slide DGST-10-80-PA

Part number: 8085121

FESTO



Data sheet

| Feature | Value |
|--|--|
| Stroke | 80 mm |
| Adjustable end-position range/front length | 16.7 mm |
| Adjustable end-position range/rear length | 15.1 mm |
| Piston diameter | 10 mm |
| Drive unit operating mode | Yoke |
| Cushioning | Elastic cushioning rings/pads at both ends |
| Mounting position | Any |
| Guide | Recirculating ball bearing guide |
| Structural design | Twin piston Yoke Piston rod Slide |
| Position sensing | For proximity sensor |
| Operating pressure | 0.1 MPa...0.8 MPa 1 bar...8 bar 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 class | Class 6 according to ISO 14644-1 |
| Ambient temperature | -10 °C...60 °C |
| Impact energy in the end positions | 0.08 J |
| Cushioning length | 1.5 mm |
| Max. force Fy | 520 N |
| Max. force Fz | 520 N |
| Max. torque Mx | 6 Nm |
| Max. torque My | 5 Nm |
| Max. torque Mz | 5 Nm |

| Feature | Value |
|--|----------------------------------|
| Theoretical force at 6 bar, retracting | 79 N |
| Theoretical force at 6 bar, advancing | 94 N |
| Moving mass | 251.7 g |
| Product weight | 519.4 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 TPE-E High-alloy steel |
| Housing material | Wrought aluminum alloy |
| Piston rod material | High-alloy stainless steel |