

Mini slide DGST-10-50-PA

Part number: 8085120

FESTO



Data sheet

| Feature | Value |
|--------------------------------------------|--------------------------------------------------------------------|
| Guide material | POM High-alloy steel TPE-E |
| Stroke | 50 mm |
| Adjustable end-position range/front length | 15.6 mm |
| Adjustable end-position range/rear length | 15.8 mm |
| Piston diameter | 10 mm |
| Type code | DGST |
| Drive unit operating mode | Yoke |
| Cushioning | Elastic cushioning rings/pads at both ends |
| Mounting position | Any |
| Guide | Recirculating ball bearing guide |
| Design | Piston rod Twin piston Yoke Slide |
| Position sensing | For proximity sensor |
| Symbol | 00991249 |
| Operating pressure | 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) | 1 - Low corrosion stress |
| Ambient temperature | -10 °C ... 60 °C |
| Impact energy in the end positions | 0.08 J |
| Cushioning length | 1.5 mm |
| Max. force F _y | 510 N |
| Max. force F _z | 510 N |
| Max. torque M _x | 5 Nm |
| Max. torque M _y | 4.5 Nm |
| Max. torque M _z | 4.5 Nm |
| Theoretical force at 6 bar, retracting | 79 N |
| Theoretical force at 6 bar, advancing | 94 N |
| Moving mass | 188.7 g |

| Feature | Value |
|----------------------|-------------------------------------------|
| Product weight | 382.4 g |
| Type of mounting | With through-hole |
| Pneumatic connection | M5 |
| Note on materials | Free of copper and PTFE RoHS-compliant |
| Cover material | Wrought aluminum alloy |
| Seals material | HNBR |
| Housing material | Wrought aluminum alloy |
| Piston rod material | High-alloy stainless steel |