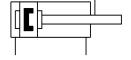
Mini slide DGSS-6-15-E1A

Part number: 8164052



FESTO



Data sheet

| Feature | Value |
|--|---|
| Stroke | 15 mm |
| Size | 6 |
| Piston diameter | 6 mm |
| Cushioning | Elastomer cushioning, at both ends, stroke not adjustable |
| Mounting position | Any |
| Guide | Recirculating ball bearing guide |
| Structural design | Yoke Piston rod Slide |
| Position sensing | For proximity sensor |
| Operating pressure | 0.15 MPa0.8 MPa 1.5 bar8 bar 21.75 psi116 psi |
| Max. speed | 0.5 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-C1-L |
| Suitability for the production of Li-ion batteries | Metals with more than 1% copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils |
| Cleanroom class | Class 6 according to ISO 14644-1 |
| Ambient temperature | -10 °C60 °C |
| Impact energy in the end positions | 0.01 J |
| Cushioning length | 0.9 mm |
| Max. force Fy | 296 N |
| Max. force Fz | 296 N |
| Max. torque Mx | 0.8 Nm |
| Max. torque My | 0.7 Nm |
| Max. torque Mz | 0.7 Nm |

| Feature | Value |
|--|---|
| Theoretical force at 6 bar, retracting | 13 N |
| Theoretical force at 6 bar, advancing | 17 N |
| Moving mass | 31 g |
| Product weight | 75 g |
| Type of mounting | With through-hole With internal thread |
| Pneumatic connection | M3 |
| Note on materials | RoHS-compliant |
| Cover material | Wrought aluminum alloy |
| Seals material | NBR PU |
| Guide material | NBR PA High-alloy steel |
| Housing material | Wrought aluminum alloy |
| Piston rod material | High-alloy stainless steel |