

Mini slide DGSS-20-40-E1A

Part number: 8164083

FESTO



 [General operating condition](#)

Data sheet

| Feature | Value |
|---|--|
| Stroke | 40 mm |
| Size | 20 |
| Piston diameter | 20 mm |
| Cushioning | Elastomer cushioning, at both ends, stroke not adjustable |
| Mounting position | Any |
| Guide | Recirculating ball bearing |
| Structural design | Yoke Piston rod Slide |
| Position sensing | Via proximity switch |
| Symbol | 00991737 |
| Operating pressure | 0.1 MPa ... 0.8 MPa |
| Operating pressure | 1 bar ... 8 bar |
| Operating pressure | 14.5 psi ... 116 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 | Suitable for battery production with reduced Cu/Zn/Ni values (F1a) |
| 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 | 0.05 J |
| Cushioning length | 1 mm |
| Max. force F _y | 1238 N |
| Max. force F _z | 1238 N |
| Max. torque M _x | 8 Nm |
| Max. torque M _y | 4 Nm |
| Max. torque M _z | 4 Nm |
| Theoretical force at 6 bar, retracting | 158 N |
| Theoretical force at 6 bar, advancing | 188 N |
| Moving mass | 209 g |
| Product weight | 513 g |

| Feature | Value |
|----------------------|---|
| Type of mounting | With through-hole With internal thread |
| Pneumatic connection | M5 |
| 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 |