

Mini slide DGST-16-40-E1A

Part number: 8078856

FESTO



[PDF](#) [General operating condition](#)

Data sheet

| Feature | Value |
|--|--|
| Stroke | 40 mm |
| Piston diameter | 16 mm |
| Operating mode, drive unit | Yoke |
| Cushioning | Elastomer cushioning, double-sided, stroke not adjustable |
| Mounting position | optional |
| Guide | Recirculating ball bearing guide |
| Design | Yoke Piston rod Slide |
| Position detection | Via proximity switch |
| Symbol | 00991249 |
| 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 to ISO 8573-1:2010 [7:4:4] |
| Note on operating and pilot medium | Lubricated operation possible (in which case lubricated operation will always be required) |
| 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 end positions | 0.15 J |
| Cushioning length | 0.8 mm |
| Max. force F _y | 880 N |
| Max. force F _z | 880 N |
| Max. moment M _x | 11.3 Nm |
| Max. moment M _y | 8 Nm |
| Max. moment M _z | 8 Nm |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke | 207 N |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke | 241 N |
| Moving mass | 324 g |
| Product weight | 629 g |

| Feature | Value |
|----------------------|----------------------------------|
| Type of mounting | With through-hole |
| Pneumatic connection | M5 |
| Note on materials | RoHS-compliant |
| Material cover | Wrought aluminium alloy |
| Material seals | HNBR |
| Material guide | POM TPE-E High-alloy steel |
| Material housing | Wrought aluminium alloy |
| Material piston rod | High-alloy stainless steel |