

mini slide

DGST-12-100-E1A

Part number: 8078852

★ Core product range

FESTO



Data sheet

| Feature | Value |
|--|---|
| Stroke | 100 mm |
| Piston diameter | 12 mm |
| Operating mode of drive unit | Yoke |
| Cushioning | Elastomer cushioning, at both ends, stroke not adjustable |
| Assembly position | Any |
| Guide | Recirculating ball bearing guide |
| Design structure | twin piston Yoke Piston rod Slide |
| Position detection | For proximity sensor |
| Operating pressure | 1 ... 8 bar |
| Max. speed | 0.5 m/s |
| Repetition accuracy | ≤ 0,3 mm |
| Mode of operation | double-acting |
| Operating medium | Compressed air in accordance with ISO8573-1:2010 [7:4:4] |
| Note on operating and pilot medium | Lubricated operation possible (subsequently required for further operation) |
| Corrosion resistance classification CRC | 1 - Low corrosion stress |
| Ambient temperature | -10 ... 60 °C |
| Impact energy in end positions | 0.07 Nm |
| Cushioning length | 1.1 mm |
| Max. force F _y | 620 N |
| Max. force F _z | 620 N |
| Max. torque M _x | 10 Nm |
| Max. torque M _y | 6.8 Nm |
| Max. torque M _z | 6.8 Nm |
| Theoretical force at 6 bar, return stroke | 102 N |
| Theoretical force at 6 bar, advance stroke | 136 N |
| Moving mass | 465 g |
| Product weight | 988 g |
| Mounting type | with through hole |
| Pneumatic connection | M5 |
| Materials note | Free of copper and PTFE Conforms to RoHS |
| Material cover | Wrought Aluminium alloy |
| Material seals | HNBR |
| Material of guide | POM TPE-E High alloy steel |
| Material housing | Wrought Aluminium alloy |
| Material piston rod | High alloy steel, non-corrosive |