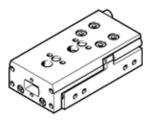
mini slide DGST-6-50-Y12A Part number: 8085161



Data sheet

| Feature | Value |
|--|---|
| Stroke | 50 mm |
| Adjustable endposition range/front length | 11.2 mm |
| Adjustable endposition range/rear length | 9.6 mm |
| Piston diameter | 6 mm |
| Operating mode of drive unit | Yoke |
| Cushioning | Y12: external hydraulic cushioning |
| Assembly position | Any |
| Guide | Recirculating ball bearing guide |
| Design structure | twin piston |
| | Yoke |
| | Piston rod |
| | Slide |
| | |
| Position detection | For proximity sensor |
| Operating pressure MPa | 0.15 0.8 MPa |
| Operating pressure | 1.5 8 bar |
| | 21.75 116 psi |
| Max. speed | 0.5 m/s |
| Repetition accuracy | <= 0,02 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 |
| PWIS conformity | VDMA24364-B1/B2-L |
| Ambient temperature | -10 60 °C |
| Impact energy in end positions | 0.1 J |
| Cushioning length | 4 mm |
| Max. force Fy | 280 N |
| Max. force Fz | 280 N |
| Max. torque Mx | 1.4 Nm |
| Max. torque My | 1.2 Nm |
| Max. torque Mz | 1.2 Nm |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting | 25 N |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance | 34 N |
| Moving mass | 91.9 g |
| Product weight | 179.8 g |
| Mounting type | with through hole |
| Pneumatic connection | M3 |
| Materials note | Conforms to RoHS |
| Materials note | Wrought Aluminium alloy |
| Material seals | HNBR |
| Material of guide | POM |
| | High alloy steel |
| | TPE-E |
| Material housing | Wrought Aluminium alloy |
| | |
| Material piston rod | High alloy steel, non-corrosive |

FESTO

