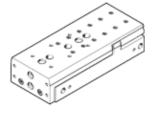
mini slide DGST-12-50-Y12A Part number: 8085173 ★ Core product range



Data sheet

| Feature | Value |
|--|--|
| Stroke | 50 mm |
| Adjustable endposition range/front length | 16.7 mm |
| Adjustable endposition range/rear length | 15.2 mm |
| Piston diameter | 12 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 | 0.1 0.8 MPa |
| Operating pressure | 1 8 bar |
| | 14.5 116 psi |
| Max. speed | 0.8 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 | 1.4 J |
| Cushioning length | 5 mm |
| Max. force Fy | 580 N |
| Max. force Fz | 580 N |
| Max. torque Mx | 7 Nm |
| Max. torque My | 5.8 Nm |
| Max. torque Mz | 5.8 Nm |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting | 102 N |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance | 136 N |
| Moving mass | 306 g |
| Product weight | 643 g |
| Mounting type | with through hole |
| Pneumatic connection | M5 |
| Materials note | Conforms to RoHS |
| Material cover | 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

