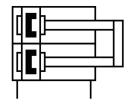
Mini slide DGST-16-80-PA Part number: 8085135





<u>General operating condition</u>

Data sheet

Feature Value Stroke 80 mm Adjustable end-position range/front length 22.8 mm Adjustable end-position range/rear length 21.5 mm Piston diameter 16 mm Drive unit operating mode Yoke Cushioning Elastic cushioning rings/pads at both ends Mounting position Any Guide Recirculating ball bearing guide Structural design Twin piston Yoke Piston rod Slide Position sensing For proximity sensor 00991249 Symbol Operating pressure 0.1 MPa ... 0.8 MPa Operating pressure 1 bar ... 8 bar 14.5 psi ... 116 psi Operating pressure Max. speed 0.8 m/s Repetition accuracy <= 0.3 mm Mode of operation Double-acting Compressed air as per ISO 8573-1:2010 [7:4:4] Operating medium 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-B1/B2-L Class 6 according to ISO 14644-1 Cleanroom class Ambient temperature -10 °C ... 60 °C Impact energy in the end positions 0.25 J Cushioning length 1 mm Max. force Fy 920 N Max. force Fz 920 N Max. torque Mx 12 Nm Max. torque My 10 Nm 10 Nm Max. torque Mz 207 N Theoretical force at 6 bar, retracting Theoretical force at 6 bar, advancing 241 N

FESTO

| Feature | Value |
|----------------------|----------------------------------|
| Moving mass | 503 g |
| Product weight | 1012 g |
| Type of mounting | With through-hole |
| Pneumatic connection | M5 |
| Note on materials | RoHS-compliant |
| Cover material | Wrought aluminum alloy |
| Seals material | HNBR |
| Guide material | POM TPE-E High-alloy steel |
| Housing material | Wrought aluminum alloy |
| Piston rod material | High-alloy stainless steel |