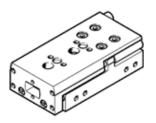
## Mini slide **DGST-6-20-PA**Part number: 8085106







## **Data sheet**

| Feature  | Value  |
|--|--|
| Stroke   | 20 mm  |
| Adjustable end position range/front length               | 13.1 mm  |
| Adjustable end position range/rear length                | 11.6 mm  |
| Piston diameter  | 6 mm   |
| Operating mode of drive unit                             | Yoke   |
| Cushioning   | P: Flexible cushioning rings/plates at both ends                 |
| 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   |
| Working pressure   | 1.5 8 bar  |
| Operating pressure                                       | 21.75 116 psi  |
| Max. speed   | 0.5 m/s  |
| Repetition accuracy                                      | (= 0,3 mm  |
|  | double-acting  |
| Mode of operation 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                           | 0.018 J  |
| Cushioning length  | 0.9 mm   |
| Max. force Fy  | 220 N  |
| Max. force Fz  | 220 N  |
| Max. torque Mx   | 1.1 Nm   |
| Max. torque My   | 1 Nm   |
| Max. torque Mz   | 1 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  | 62 g   |
| Product weight   | 117 g  |
| Mounting type  | with through hole  |
| Pneumatic connection                                     | M3   |
| Materials note   | Conforms to RoHS   |
| Material cover   | Wrought Aluminum alloy   |
| Material seals   | HNBR   |
| Material of guide  | POM  |
|  | High alloy steel   |
|  | TPE-E  |
| Material housing   | Wrought Aluminum alloy   |
| Material piston rod                                      | High alloy steel, non-corrosive                                  |