

# mini slide DGST-10-40-Y12A

Part number: 8085167

FESTO



## Data sheet

| Feature                                    | Value   |
|--|---|
| Stroke                                     | 40 mm   |
| Adjustable endposition range/front length  | 15.1 mm   |
| Adjustable endposition range/rear length   | 15.3 mm   |
| Piston diameter                            | 10 mm   |
| Operating mode of drive unit               | Yoke  |
| Cushioning                                 | Y12: external hydraulic cushioning  |
| Assembly position                          | Any   |
| Guide                                      | Recirculating ball bearing guide  |
| Design structure                           | twin piston<br>Yoke<br>Piston rod<br>Slide                                  |
| Position detection                         | For proximity sensor  |
| Operating pressure                         | 1 ... 8 bar   |
| 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  |
| Ambient temperature                        | -10 ... 60 °C   |
| Impact energy in end positions             | 0.28 Nm   |
| Cushioning length                          | 4 mm  |
| Max. force F <sub>y</sub>                  | 500 N   |
| Max. force F <sub>z</sub>                  | 500 N   |
| Max. torque M <sub>x</sub>                 | 4 Nm  |
| Max. torque M <sub>y</sub>                 | 4.5 Nm  |
| Max. torque M <sub>z</sub>                 | 4.5 Nm  |
| Theoretical force at 6 bar, return stroke  | 79 N  |
| Theoretical force at 6 bar, advance stroke | 94 N  |
| Moving mass                                | 175.2 g   |
| Product weight                             | 344.4 g   |
| Mounting type                              | with through hole   |
| Pneumatic connection                       | M5  |
| Materials note                             | Free of copper and PTFE<br>Conforms to RoHS                                 |
| Material cover                             | Wrought Aluminium alloy   |
| Material seals                             | HNBR  |
| Material of guide                          | POM<br>TPE-E<br>High alloy steel  |
| Material housing                           | Wrought Aluminium alloy   |
| Material piston rod                        | High alloy steel, non-corrosive   |