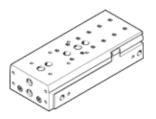
## mini slide **DGST-25-80-PA**Part number: 8085154







## **Data sheet**

| Feature                                    | Value                                                            |
|--------------------------------------------|------------------------------------------------------------------|
| Stroke                                     | 80 mm                                                            |
| Adjustable endposition range/front length  | 46 mm                                                            |
| Adjustable endposition range/rear length   | 46 mm                                                            |
| Piston diameter                            | 25 mm                                                            |
| Operating mode of drive unit               | Yoke                                                             |
| Cushioning                                 | P: Flexible cushioning rings/plates at both ends                 |
| Assembly position                          | Any                                                              |
| Guide                                      | Ball bearing cage guide                                          |
| Design structure                           | twin piston                                                      |
|                                            | Yoke                                                             |
|                                            | Piston rod                                                       |
|                                            | Slide                                                            |
| Position detection                         | For proximity sensor                                             |
| Operating pressure                         | 1 8 bar                                                          |
| Max. speed                                 | 0.8 m/s                                                          |
| Repetition accuracy                        | <= 0,3 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             | 0.45 Nm                                                          |
| Cushioning length                          | 1.2 mm                                                           |
| Max. force Fy                              | 1,030 N                                                          |
| Max. force Fz                              | 1,030 N                                                          |
| Max. torque Mx                             | 14 Nm                                                            |
| Max. torque My                             | 11 Nm                                                            |
| Max. torque Mz                             | 11 Nm                                                            |
| Theoretical force at 6 bar, return stroke  | 495 N                                                            |
| Theoretical force at 6 bar, advance stroke | 589 N                                                            |
| Moving mass                                | 1,353.5 g                                                        |
| Product weight                             | 2,725 g                                                          |
| Mounting type                              | with through hole                                                |
| Pneumatic connection                       | G1/8                                                             |
| Materials note                             | Free of copper and PTFE                                          |
|                                            | Conforms to RoHS                                                 |
| Material cover                             | Wrought Aluminium alloy                                          |
| Material seals                             | HNBR                                                             |
| Material of guide                          | POM                                                              |
|                                            | TPE-E                                                            |
|                                            | High alloy steel                                                 |
| Material housing                           | Wrought Aluminium alloy                                          |
| Material piston rod                        | High alloy steel, non-corrosive                                  |