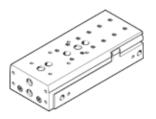
## mini slide **DGST-16-125-E1A**Part number: 8078860







## **Data sheet**

| Feature                                                  | Value                                                            |
|----------------------------------------------------------|------------------------------------------------------------------|
| Stroke                                                   | 125 mm                                                           |
| Piston diameter                                          | 16 mm                                                            |
| Operating mode of drive unit                             | Yoke                                                             |
| Cushioning                                               | Elastomer cushioning, at both ends, stroke not adjustable        |
| 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                                               | 0.5 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                                         |
| PWIS conformity                                          | VDMA24364-B1/B2-L                                                |
| Ambient temperature                                      | -10 60 °C                                                        |
| Impact energy in end positions                           | 0.15 J                                                           |
| Cushioning length                                        | 0.8 mm                                                           |
| Max. force Fy                                            | 960 N                                                            |
| Max. force Fz                                            | 960 N                                                            |
| Max. torque Mx                                           | 14 Nm                                                            |
| Max. torque My                                           | 15 Nm                                                            |
| Max. torque Mz                                           | 15 Nm                                                            |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting | 207 N                                                            |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance    | 241 N                                                            |
| Moving mass                                              | 637 g                                                            |
| Product weight                                           | 1,294 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                                  |