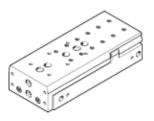
## mini slide DGST-16-80-E1A Part number: 8078858 Core product range







## **Data sheet**

| Feature  | Value  |
|--|--|
| Stroke   | 80 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  | 920 N  |
| Max. force Fz  | 920 N  |
| Max. torque Mx   | 12 Nm  |
| Max. torque My   | 10 Nm  |
| Max. torque Mz   | 10 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  | 462 g  |
| Product weight   | 930 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                                  |