

# Mini slide DGSS-16-50-E1A

Part number: 8164075

FESTO



 [General operating condition](#)

## Data sheet

| Feature  | Value  |
|--|--|
| Stroke   | 50 mm  |
| Size   | 16   |
| Piston diameter  | 16 mm  |
| Cushioning   | Elastomer cushioning, double-sided, stroke not adjustable                                  |
| Mounting position  | optional   |
| Guide  | Recirculating ball bearing guide   |
| Design   | Yoke<br>Piston rod<br>Slide  |
| Position detection   | Via proximity switch   |
| Symbol   | 00991737   |
| Operating pressure   | 0.1 MPa ... 0.8 MPa  |
| Operating pressure   | 1 bar ... 8 bar  |
| Operating pressure   | 14.5 psi ... 116 psi   |
| Max. speed   | 0.5 m/s  |
| Repetition accuracy  | ≤ 0.3 mm   |
| Mode of operation  | Double-acting  |
| Operating medium   | Compressed air to ISO 8573-1:2010 [7:4:4]  |
| Note on operating and pilot medium                           | Lubricated operation possible (in which case lubricated operation will always be required) |
| Corrosion resistance class CRC                               | 1 - Low corrosion stress   |
| LABS (PWIS) conformity                                       | VDMA24364-C1-L   |
| Suitability for the production of Li-ion batteries           | Suitable for battery production with reduced Cu/Zn/Ni values (F1a)                         |
| Cleanroom suitability, measured according to ISO 14644-14    | Class 6 according to ISO 14644-1   |
| Ambient temperature  | -10 °C ... 60 °C   |
| Impact energy in end positions                               | 0.03 J   |
| Cushioning length  | 0.65 mm  |
| Max. force Fy  | 682 N  |
| Max. force Fz  | 682 N  |
| Max. moment Mx   | 3.2 Nm   |
| Max. moment My   | 1.9 Nm   |
| Max. moment Mz   | 1.9 Nm   |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke  | 104 N  |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke | 121 N  |
| Moving mass  | 137 g  |
| Product weight   | 306 g  |

| <b>Feature</b>       | <b>Value</b>                           |
|----------------------|--|
| Type of mounting     | With through-hole<br>Via female thread |
| Pneumatic connection | M5                                     |
| Note on materials    | RoHS-compliant                         |
| Material cover       | Wrought aluminium alloy                |
| Material seals       | NBR<br>PU                              |
| Material guide       | NBR<br>PA<br>High-alloy steel          |
| Material housing     | Wrought aluminium alloy                |
| Material piston rod  | High-alloy stainless steel             |