



## Guided actuator DFM-32-50-P-A-GF

URL: <https://www.sxplc.com/guided-actuator-dfm-32-50-p-a-gf>

### Product data sheet

- |   |   |
|---|---|
| • <b>Distance of centre of gravity of payload to yoke plate</b> | xs50 mm                                       |
| • <b>Stroke</b>   | 50 mm   |
| • <b>Piston diameter</b>  | 32 mm   |
| • <b>Drive unit operating mode</b>                              | Yoke  |
| • <b>Cushioning</b>   | Elastic cushioning rings/pads at both ends    |
| • <b>Mounting position</b>                                      | Any   |
| • <b>Guide</b>  | Sliding guide                                 |
| • <b>Structural design</b>                                      | Guide   |
| • <b>Position sensing</b>                                       | For proximity sensor                          |
| • <b>Symbol</b>   | 00991737                                      |
| • <b>Operating pressure</b>                                     | 0.15 MPa ... 1 MPa                            |
| • <b>Operating pressure</b>                                     | 1.5 bar ... 10 bar                            |
| • <b>Max. speed</b>   | 0.8 m/s                                       |
| • <b>Mode of operation</b>                                      | Double-acting                                 |
| • <b>Operating medium</b>                                       | Compressed air as per ISO 8573-1:2010 [7:4:4] |

- **Information on operating and pilot media** Operation with oil  
lubrication possible (required for further use)
- **Corrosion resistance class (CRC)** 1 - Low corrosion stress
- **LABS (PWIS) conformity** VDMA24364-B1/B2-L
- **Cleanroom class** Class 7 according to ISO 14644-1
- **Ambient temperature** -20 °C ... 80 °C
- **Impact energy in the end positions** 0.4 J
- **Max. force  $F_y$**  1227 N
- **Max. force  $F_y$  static** 1227 N
- **Max. force  $F_z$**  1227 N
- **Max. force  $F_z$  static** 1227 N
- **Max. torque  $M_x$**  47.84 Nm
- **Max. static moment  $M_x$**  47.84 Nm
- **Max. torque  $M_y$**  24.53 Nm
- **Max. static moment  $M_y$**  24.53 Nm
- **Max. torque  $M_z$**  24.53 Nm
- **Max. static moment  $M_z$**  24.53 Nm
- **Max. permissible torque load  $M_x$  as a function of the stroke** 7.83 Nm
- **Max. payload as a function of the stroke at defined distance**  
xs 150 N
- **Theoretical force at 6 bar, retracting** 415 N
- **Theoretical force at 6 bar, advancing** 482 N

- **Moving mass**1191 g
- **Product weight**2254 g
- **Alternative connections**See product drawing
- **Pneumatic connection**G1/8
- **Note on materials**RoHS-compliant
- **Cover material**Wrought aluminum alloy
- **Seals material**NBR
- **Housing material**Wrought aluminum alloy
- **Piston rod material**High-alloy stainless steel

