



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

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

Product data sheet

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

