



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

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

Product data sheet

- **Distance of centre of gravity of payload to yoke plate** ≤ 50 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** x_s 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

