



Guided drive□DFM-20-20-P-A-GF

URL:<https://www.sxplc.com/guided-drive-dfm-20-20-p-a-gf>

Product data sheet

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| • Distance from centre of gravity of load to yoke plate | xs50 mm |
| • Stroke | 20 mm |
| • Piston diameter | 20 mm |
| • Operating mode, drive unit | Yoke |
| • Cushioning | Elastic cushioning rings/plates at both ends |
| • Mounting position | optional |
| • Guide | Plain-bearing guide |
| • Design | Guidance |
| • Position detection | Via proximity switch |
| • Symbol | 00991737 |
| • Operating pressure | 0.2 MPa ... 1 MPa |
| • Operating pressure | 2 bar ... 10 bar |
| • Max. speed | 0.8 m/s |
| • 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 CRC1** - 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 end positions**0.2 J
- **Max. force Fy**354.7 N
- **Max. force Fy static**354.7 N
- **Max. force Fz**354.7 N
- **Max. force Fz static**354.7 N
- **Max. moment Mx**10.29 Nm
- **Max. torque Mx static**10.29 Nm
- **Max. moment My**3.37 Nm
- **Max. torque My static**3.37 Nm
- **Max. moment Mz**3.37 Nm
- **Max. torque Mz static**3.37 Nm
- **Max. permissible torque load Mx as a function of stroke**1.61 Nm
- **Max. effective load dependent upon stroke at defined distance**
xs30 N
- **Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke**141 N
- **Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke**188
N

- **Moving mass**385 g
- **Product weight**769 g
- **alternative connections**See product drawing
- **Pneumatic connection**M5
- **Note on materials**RoHS-compliant
- **Material cover**Wrought aluminium alloy
- **Material seals**NBR
- **Material housing**Wrought aluminium alloy
- **Material piston rod**High-alloy stainless steel

