

Guided drive DFM-10-5-P-A-GF

Part number: 4154768

FESTO



[PDF](#) General operating condition

Data sheet

| Feature | Value |
|-----------------------------------------------------------------|--------------------------------------------------------------------|
| Distance of centre of gravity of payload to yoke plate xs | 10 mm |
| Stroke | 5 mm |
| Piston diameter | 10 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 ... 0.8 MPa |
| Operating pressure | 1.5 bar ... 8 bar |
| Max. speed | 1.7 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 suitability, measured according to ISO 14644-14 | Class 6 according to ISO 14644-1 |
| Ambient temperature | -10 °C ... 60 °C |
| Impact energy in the end positions | 0.035 J |
| Max. permissible torque load Mx as a function of the stroke | 0.057 Nm |
| Max. payload as a function of the stroke at defined distance xs | 3.7 N |
| Theoretical force at 6 bar, retracting | 40 N |
| Theoretical force at 6 bar, advancing | 47 N |
| Torsional backlash | 0.1 deg |
| Moving mass | 10 g |
| Product weight | 38 g |
| Pneumatic connection | M3 |
| Note on materials | RoHS-compliant |
| Cover material | High-alloy stainless steel |
| Seals material | NBR |
| Material of dynamic seals | HNBR |
| End plate material | Wrought aluminum alloy, anodized |
| Guide rod material | High-alloy stainless steel |
| Housing material | Wrought aluminum alloy, anodized |

| Feature | Value |
|---------------------|----------------------------|
| Piston rod material | High-alloy stainless steel |