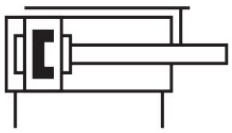
# Mini guided actuator
# DFC-6-5-P-A-KF

Part number: 189461





## Data sheet

| Feature | Value |
|---|---|
| Distance of centre of gravity of payload to yoke plate xs | 10 mm |
| Stroke | 5 mm |
| Piston diameter | 6 mm |
| Drive unit operating mode | Yoke |
| Cushioning | Elastic cushioning rings/pads at both ends |
| Mounting position | Any |
| Guide | Recirculating ball bearing |
| Structural design | Guide |
| Position sensing | Via proximity switch |
| Operating pressure | 0.15 MPa...1 MPa<br>1.5 bar...10 bar |
| Max. speed | 1 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) | 0 - No corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B2-L |
| Ambient temperature | -5 °C...60 °C |
| Impact energy in the end positions | 0.008 Nm |
| Max. torque Mx | 0.1 Nm |
| Max. payload as a function of the stroke at defined distance xs | 4.6 N |
| Theoretical force at 6 bar, retracting | 12.5 N |
| Theoretical force at 6 bar, advancing | 17 N |
| Torsional backlash | 0.05 deg |
| Moving mass | 8.8 g |
| Moving mass at 0 mm stroke | 8.8 g |
| Additional moving mass per 10 mm stroke | 2.8 g |
| Product weight | 28 g |
| Pneumatic connection | M3 |
| Cover material | Wrought aluminum alloy |
| Seals material | NBR |
| Housing material | Wrought aluminum alloy |

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