

Swivel actuator unit DSL-16-50-270-P-A-S20-B

Part number: 556405

FESTO



Data sheet

| Feature | Value |
|--|--|
| Adjustment range of swivel angle | 0 deg...270 deg |
| Stroke | 50 mm |
| Piston diameter | 16 mm |
| Swivel angle | 0 deg...272 deg |
| Cushioning | Elastic cushioning rings/pads at both ends |
| Mounting position | Any |
| Precision adjustment | -6 deg |
| Mode of operation | Double-acting |
| Structural design | Rotary vane |
| Position sensing | For proximity sensor |
| Variants | Through, hollow piston rod |
| Protection against torsion/guide | With plain-bearing guide |
| Operating pressure | 2.5 bar...8 bar |
| Max. impact velocity | 500 mm/s |
| Max. swivel frequency at 6 bar | 2 Hz |
| Swivel angle backlash | 2 deg |
| Repetition accuracy | 1 deg |
| 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-B2-L |
| Ambient temperature | -10 °C...60 °C |
| Dynamic load torque | 0.1 Nm |
| Theoretical force at 6 bar, retracting | 73.5 N |
| Theoretical force at 6 bar, advancing | 102.5 N |
| Theoretical torque at 6 bar | 1.25 Nm |
| Permissible mass moment of inertia | 3.5E-05 kgm² |
| Product weight | 650 g |
| Basic weight with 0 mm stroke | 650 g |
| Additional weight per 10 mm stroke | 33 g |

| Feature | Value |
|----------------------|--|
| Type of mounting | Clamped in T slot With external thread Optionally: |
| Pneumatic connection | M5 |
| Cover material | Wrought aluminum alloy Anodized |
| Seals material | TPE-U(PU) |
| Housing material | Wrought aluminum alloy Smooth anodized |
| Piston rod material | Tempered steel |