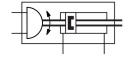
## Swivel actuator unit DSL-16-80-270-CC-A-S20-B

**FESTO** 

Part number: 556412





## **Data sheet**

| Feature                                  | Value   |
|--|---|
| Cushioning angle                         | 15 deg  |
| Adjustment range of swivel angle         | 0 deg246 deg  |
| Stroke                                   | 80 mm   |
| Piston diameter                          | 16 mm   |
| Swivel angle                             | 0 deg246 deg  |
| Cushioning                               | Pneumatic shock absorber at both ends<br>Elastic cushioning rings/pads at both ends |
| Mounting position                        | Any   |
| Precision adjustment                     | -3 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 bar8 bar  |
| Max. impact velocity                     | 500 mm/s  |
| Max. swivel frequency at 6 bar           | 1.5 Hz  |
| Swivel angle backlash                    | 2 deg   |
| Repetition accuracy                      | 0.1 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 °C60 °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       | 0.0007 kgm²   |
| Product weight                           | 700 g   |
| Basic weight with 0 mm stroke            | 700 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<br>Anodized                 |
| Seals material       | TPE-U(PU)  |
| Housing material     | Wrought aluminum alloy<br>Smooth anodized          |
| Piston rod material  | Tempered steel                                     |