

# Rotary actuator DSM-63-270-CC-HD-A-B

Part number: 1369127

FESTO



 General operating condition

## Data sheet

| Feature                                  | Value  |
|--|--|
| Size                                     | 63   |
| Cushioning angle                         | 17.5 deg   |
| Adjustment range of swivel angle         | 0 deg ... 240 deg  |
| Swivel angle                             | 0 deg ... 240 deg  |
| Permissible stop radius                  | ≥50 mm   |
| Cushioning                               | Pneumatic shock absorber at both ends                              |
| Mounting position                        | Any  |
| Precision adjustment                     | -3 deg   |
| Mode of operation                        | Double-acting  |
| Structural design                        | Rotary vane  |
| Position sensing                         | Via proximity switch   |
| Symbol                                   | 00991265   |
| Operating pressure                       | 0.2 MPa ... 1 MPa  |
| Operating pressure                       | 2 bar ... 10 bar   |
| Max. swivel frequency at 6 bar           | 0.5 Hz   |
| Repetition accuracy                      | 0.1 deg  |
| Operating medium                         | Compressed air as per ISO 8573-1:2010 [7:-:-]                      |
| 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-B1/B2-L  |
| Ambient temperature                      | -10 °C ... 60 °C   |
| Max. stop force                          | 1050 N   |
| Max. axial force                         | 1300 N   |
| Max. radial force                        | 1600 N   |
| Theoretical torque at 6 bar              | 40 Nm  |
| Permissible mass moment of inertia       | 0.5 kgm <sup>2</sup>   |
| Product weight                           | 6660 g   |
| Type of mounting                         | With internal thread   |
| Pneumatic connection                     | G1/4   |
| Note on materials                        | RoHS compliant   |
| Drive shaft material                     | Steel<br>Nickel-plated   |
| Seals material                           | TPE-U(PU)  |
| Housing material                         | Anodized aluminum  |