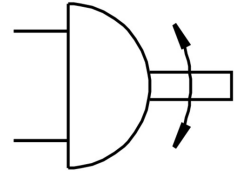
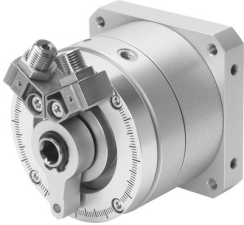


# Rotary actuator DSM-T-12-270-P-A-B

Part number: 1145086

**FESTO**



## Data sheet

| Feature                            | Value                                         |
|------------------------------------|-----------------------------------------------|
| Size                               | 12                                            |
| Cushioning angle                   | 1.8 deg                                       |
| Adjustment range of swivel angle   | 0 deg ... 270 deg                             |
| Swivel angle                       | 0 deg ... 270 deg                             |
| Type code                          | DSM                                           |
| Cushioning                         | Elastic cushioning rings/pads at both ends    |
| Mounting position                  | Any                                           |
| Precision adjustment               | -6 deg                                        |
| Mode of operation                  | Double-acting                                 |
| Design                             | Rotary vane                                   |
| Position sensing                   | For proximity sensor                          |
| Symbol                             | 00991265                                      |
| Operating pressure                 | 2.5 bar ... 10 bar                            |
| Max. swivel frequency at 6 bar     | 2 Hz                                          |
| Operating medium                   | Compressed air as per ISO 8573-1:2010 [7:-:-] |
| Corrosion resistance class (CRC)   | 0 - No corrosion stress                       |
| Ambient temperature                | -10 °C ... 60 °C                              |
| Max. axial force                   | 18 N                                          |
| Max. radial force                  | 45 N                                          |
| Theoretical torque at 6 bar        | 2.5 Nm                                        |
| Permissible mass moment of inertia | 0.005 kgm <sup>2</sup>                        |
| Product weight                     | 365 g                                         |
| Type of mounting                   | With internal thread                          |
| Pneumatic connection               | M5                                            |
| Note on materials                  | Free of copper and PTFE<br>RoHS-compliant     |
| Drive shaft material               | Steel<br>Nickel-plated                        |
| Seals material                     | TPE-U(PU)                                     |
| Housing material                   | Wrought aluminum alloy                        |