

# Rotary actuator DRVS-12-270-P

Part number: 1845712

**FESTO**



## Data sheet

| Feature                                                   | Value                                                              |
|-----------------------------------------------------------|--------------------------------------------------------------------|
| Size                                                      | 12                                                                 |
| Cushioning angle                                          | 0.5 deg                                                            |
| Swivel angle                                              | 0 deg...270 deg                                                    |
| Permissible stop radius                                   | 15 mm                                                              |
| Cushioning                                                | Elastic cushioning rings/pads at both ends                         |
| Mounting position                                         | Any                                                                |
| Mode of operation                                         | Double-acting                                                      |
| Structural design                                         | Rotary vane                                                        |
| Position sensing                                          | Via proximity switch                                               |
| Variants                                                  | Spigot shaft                                                       |
| Operating pressure                                        | 0.25 MPa...0.8 MPa<br>2.5 bar...8 bar                              |
| Max. swivel frequency at 6 bar                            | 2 Hz                                                               |
| 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                                                     |
| Suitability for the production of Li-ion batteries        | Suitable for battery production with reduced Cu/Zn/Ni values (F1a) |
| Cleanroom suitability, measured according to ISO 14644-14 | Class 5 according to ISO 14644-1                                   |
| Ambient temperature                                       | 0 °C...60 °C                                                       |
| Max. stop force                                           | 90 N                                                               |
| Max. axial force                                          | 20 N                                                               |
| Max. radial force                                         | 25 N                                                               |
| Theoretical torque at 6 bar                               | 1 Nm                                                               |
| Permissible mass moment of inertia                        | 0.005 kgm²                                                         |
| Product weight                                            | 150 g                                                              |
| Type of mounting                                          | With internal thread                                               |
| Pneumatic connection                                      | M5                                                                 |
| Note on materials                                         | RoHS compliant                                                     |
| Drive shaft material                                      | high-alloy stainless steel                                         |

| Feature          | Value                      |
|------------------|----------------------------|
| Seals material   | TPE-U(PU)                  |
| Housing material | Die cast aluminum, painted |