

# Rotary actuator DRVS-32-180-P

Part number: 1845720

FESTO



 General operating condition

## Data sheet

| Feature                                  | Value                                                              |
|------------------------------------------|--------------------------------------------------------------------|
| Size                                     | 32                                                                 |
| Cushioning angle                         | 0.5 deg                                                            |
| Swivel angle                             | 0 deg ... 180 deg                                                  |
| Permissible stop radius                  | ≥28 mm                                                             |
| Cushioning                               | Elastic cushioning rings/pads at both ends                         |
| Mounting position                        | Any                                                                |
| Mode of operation                        | Double-acting                                                      |
| Structural design                        | Rotary vane                                                        |
| Position sensing                         | For proximity sensor                                               |
| Symbol                                   | 00991265                                                           |
| Variants                                 | Spigot shaft                                                       |
| Operating pressure                       | 0.2 MPa ... 0.8 MPa                                                |
| Operating pressure                       | 2 bar ... 8 bar                                                    |
| Max. swivel frequency at 6 bar           | 3 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                                                     |
| Cleanroom class                          | Class 5 according to ISO 14644-1                                   |
| Ambient temperature                      | 0 °C ... 60 °C                                                     |
| Max. stop force                          | 480 N                                                              |
| Max. axial force                         | 75 N                                                               |
| Max. radial force                        | 200 N                                                              |
| Theoretical torque at 6 bar              | 10 Nm                                                              |
| Permissible mass moment of inertia       | 0.02 kgm <sup>2</sup>                                              |
| Product weight                           | 912 g                                                              |
| Type of mounting                         | With internal thread                                               |
| Pneumatic connection                     | G1/8                                                               |
| Note on materials                        | RoHS-compliant                                                     |
| Drive shaft material                     | Steel, nickel-plated                                               |
| Seals material                           | TPE-U(PU)                                                          |
| Housing material                         | Die cast aluminum, painted                                         |