

# Semi-rotary drive DRVS-16-180-P

Part number: 1845714

FESTO



 General operating condition

## Data sheet

| Feature                                          | Value                                                                                      |
|--------------------------------------------------|--------------------------------------------------------------------------------------------|
| Size                                             | 16                                                                                         |
| Cushioning angle                                 | 0.5 deg                                                                                    |
| Swivel angle                                     | 0 deg ... 180 deg                                                                          |
| Permissible stop radius                          | 17 mm                                                                                      |
| Cushioning                                       | Elastic cushioning rings/plates at both ends                                               |
| Mounting position                                | optional                                                                                   |
| Mode of operation                                | Double-acting                                                                              |
| Design                                           | Vane                                                                                       |
| Position detection                               | Via proximity switch                                                                       |
| Symbol                                           | 00991265                                                                                   |
| Variants                                         | Spigot shaft                                                                               |
| Operating pressure                               | 0.25 MPa ... 0.8 MPa                                                                       |
| Operating pressure                               | 2.5 bar ... 8 bar                                                                          |
| Max. swivel frequency at 0.6 MPa (6 bar, 87 psi) | 3 Hz                                                                                       |
| Repetition accuracy                              | 1 deg                                                                                      |
| Operating medium                                 | Compressed air to ISO 8573-1:2010 [7:4:4]                                                  |
| Note on operating and pilot medium               | Lubricated operation possible (in which case lubricated operation will always be required) |
| 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                                  | 160 N                                                                                      |
| Max. axial force                                 | 25 N                                                                                       |
| Max. radial force                                | 30 N                                                                                       |
| Theoretical torque at 0.6 MPa (6 bar, 87 psi)    | 2 Nm                                                                                       |
| Permissible mass moment of inertia               | 0.01 kgm <sup>2</sup>                                                                      |
| Product weight                                   | 270 g                                                                                      |
| Type of mounting                                 | Via female thread                                                                          |
| Pneumatic connection                             | M5                                                                                         |
| Note on materials                                | RoHS-compliant                                                                             |
| Material drive shaft                             | Nickel-plated steel                                                                        |
| Material seals                                   | TPE-U(PU)                                                                                  |
| Material housing                                 | Painted die cast aluminium                                                                 |