

# Semi-rotary drive DRVS-32-90-P-EX4

Part number: 2536496

FESTO



[PDF](#) General operating condition

## Data sheet

| Feature                                           | Value                                                                                                 |
|---------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| Size                                              | 32                                                                                                    |
| Cushioning angle                                  | 0.5 deg                                                                                               |
| Swivel angle                                      | 0 deg ... 90 deg                                                                                      |
| Permissible stop radius                           | 28 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                                | 0.2 MPa ... 0.8 MPa                                                                                   |
| Operating pressure                                | 2 bar ... 8 bar                                                                                       |
| Max. swivel frequency at 0.6 MPa (6 bar, 87 psi)  | 3 Hz                                                                                                  |
| Repetition accuracy                               | 1 deg                                                                                                 |
| CE mark (see declaration of conformity)           | To EU Explosion Protection Directive (ATEX)                                                           |
| CE marking (see declaration of conformity)        | To UK EX instructions                                                                                 |
| Explosion protection certification outside the EU | EPL Db (GB)<br>EPL Gb (GB)                                                                            |
| Explosion protection                              | Zone 1 (ATEX)<br>Zone 1 (UKEX)<br>Zone 2 (ATEX)<br>Zone 21 (ATEX)<br>Zone 21 (UKEX)<br>Zone 22 (ATEX) |
| ATEX category gas                                 | II 2G                                                                                                 |
| ATEX category dust                                | II 2D                                                                                                 |
| Explosion ignition protection type for gas        | Ex h IIC T4 Gb X                                                                                      |
| Explosion ignition protection type for dust       | Ex h IIIC T120°C Db X                                                                                 |
| Explosion ambient temperature                     | 0°C ≤ Ta ≤ +60°C                                                                                      |
| 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                                                                                        |
| Ambient temperature                               | 0 °C ... 60 °C                                                                                        |

| Feature                                       | Value                      |
|-----------------------------------------------|----------------------------|
| Max. stop force                               | 480 N                      |
| Max. axial force                              | 75 N                       |
| Max. radial force                             | 200 N                      |
| Theoretical torque at 0.6 MPa (6 bar, 87 psi) | 10 Nm                      |
| Permissible mass moment of inertia            | 0.02 kgm <sup>2</sup>      |
| Product weight                                | 928 g                      |
| Type of mounting                              | Via female thread          |
| Pneumatic connection                          | G1/8                       |
| Note on materials                             | RoHS-compliant             |
| Material drive shaft                          | Nickel-plated steel        |
| Material seals                                | TPE-U(PU)                  |
| Material housing                              | Painted die cast aluminium |