

# Semi-rotary drive DRVS-6-180-P-EX4

Part number: 2536484

FESTO



## Data sheet

| Feature   | Value   |
|---|---|
| Size  | 6   |
| Cushioning angle                                  | 0.5 deg   |
| Swivel angle                                      | 0 deg...180 deg   |
| Permissible stop radius                           | 10 mm   |
| Cushioning  | Elastic cushioning rings/plates at both ends  |
| Mounting position                                 | optional  |
| Mode of operation                                 | Double-acting   |
| Design  | Vane  |
| Position detection                                | Via proximity switch  |
| Variants  | Spigot shaft  |
| Operating pressure                                | 0.35 MPa...0.8 MPa<br>3.5 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)   |
| UKCA 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  |

| <b>Feature</b>  | <b>Value</b>   |
|---|--|
| 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   | 15 N   |
| Max. axial force  | 10 N   |
| Max. radial force   | 15 N   |
| Theoretical torque at 0.6 MPa (6 bar, 87 psi)             | 0.15 Nm  |
| Permissible mass moment of inertia                        | 0.00065 kgm <sup>2</sup>   |
| Product weight  | 38 g   |
| Type of mounting  | Via female thread  |
| Pneumatic connection                                      | M3   |
| Note on materials   | RoHS-compliant   |
| Material drive shaft                                      | High-alloy stainless steel   |
| Material seals  | TPE-U(PU)  |
| Material housing  | Anodised wrought aluminium alloy                                   |