

# Semi-rotary drive DRRD-63-

Part number: 574407

**FESTO**



## Data sheet

| Feature   | Value   |
|---|---|
| Size  | 63  |
| Swivel angle                                      | 180 deg   |
| Cushioning  | Internal hydraulic cushioning hard<br>External hydraulic cushioning<br>Internal hydraulic cushioning normal |
| Mounting position                                 | optional  |
| Design  | Rack and pinion   |
| Max. number of intermediate positions             | 1   |
| Position detection                                | Via proximity switch  |
| Operating pressure                                | 0.2 MPa...1 MPa<br>2 bar...10 bar   |
| Mode of operation                                 | Double-acting   |
| 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  |
| Explosion ignition protection type for dust       | Ex h IIIC T120°C Db   |
| Explosion ambient temperature                     | -10 °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)                  |
| LABS (PWIS) conformity                            | VDMA24364 zone III  |
| Ambient temperature                               | -10 °C...60 °C  |
| Theoretical torque at 0.6 MPa (6 bar, 87 psi)     | 112 Nm  |
| Permissible mass moment of inertia                | 4 kgm²...42 kgm²  |

| Feature              | Value   |
|----------------------|---|
| Type of mounting     | With through-hole<br>Via female thread<br>Either: |
| Pneumatic connection | G3/8  |
| Note on materials    | RoHS-compliant                                    |
| Material drive shaft | Tempered steel                                    |
| Material cover       | Aluminium<br>Anodised                             |
| Material seals       | NBR<br>TPE-U(PU)                                  |
| Material housing     | Wrought aluminium alloy<br>Smooth anodised        |