

# Rotary actuator DRRD-25-180-FH-PA

Part number: 1359980

**FESTO**



 General operating condition

## Data sheet

| Feature                                             | Value                                                              |
|-----------------------------------------------------|--------------------------------------------------------------------|
| Size                                                | 25                                                                 |
| Cushioning angle                                    | 33 deg                                                             |
| Setting range of swivel angle for each end position | +10 /-100 deg                                                      |
| Swivel angle                                        | 180 deg                                                            |
| Cushioning                                          | Elastic cushioning rings/pads at both ends                         |
| Mounting position                                   | Any                                                                |
| Structural design                                   | Gear rack/pinion                                                   |
| Position sensing                                    | For proximity sensor                                               |
| Symbol                                              | 00991265                                                           |
| Operating pressure                                  | 0.3 MPa ... 0.8 MPa                                                |
| Operating pressure                                  | 3 bar ... 8 bar                                                    |
| Mode of operation                                   | Double-acting                                                      |
| 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) |
| LABS (PWIS) conformity                              | VDMA24364 zone III                                                 |
| Cleanroom class                                     | Class 5 according to ISO 14644-1                                   |
| Ambient temperature                                 | -10 °C ... 60 °C                                                   |
| Theoretical torque at 6 bar                         | 5.15 Nm                                                            |
| Permissible mass moment of inertia                  | 0.09 kgm <sup>2</sup>                                              |
| Product weight                                      | 1349 g                                                             |
| Type of mounting                                    | With through-hole<br>With internal thread                          |
| Pneumatic connection                                | M5                                                                 |
| Note on materials                                   | RoHS-compliant                                                     |
| Drive shaft material                                | Tempered steel                                                     |
| Cover material                                      | Wrought aluminum alloy<br>Anodized                                 |
| Seals material                                      | NBR<br>TPE-U(PU)                                                   |
| Housing material                                    | Smooth anodized                                                    |