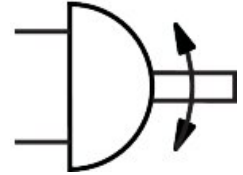


# Semi-rotary drive DRRS-25-180-FH-PA

Part number: 8163613

FESTO



## Data sheet

| Feature                                                   | Value                                                                            |
|-----------------------------------------------------------|----------------------------------------------------------------------------------|
| Size                                                      | 25                                                                               |
| Cushioning angle                                          | 25.5 deg                                                                         |
| Setting range of swivel angle for each end position       | +10 / -100 deg                                                                   |
| Axial eccentricity of plate                               | 0.07 mm                                                                          |
| Swivel angle                                              | 180 deg                                                                          |
| Min. swivel angle                                         | 45 deg                                                                           |
| Max. swivel angle                                         | 200 deg                                                                          |
| Cushioning                                                | Elastic cushioning rings/pads at both ends                                       |
| Mounting position                                         | Any                                                                              |
| Structural design                                         | Gear rack/pinion                                                                 |
| Position sensing                                          | Via proximity switch                                                             |
| Operating pressure                                        | 0.3 MPa...0.8 MPa<br>3 bar...8 bar                                               |
| Repetition accuracy                                       | 0.07 deg                                                                         |
| 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)               |
| Corrosion resistance class (CRC)                          | 1 - Low corrosion stress                                                         |
| LABS (PWIS) conformity                                    | VDMA24364-C1-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 9 according to ISO 14644-1                                                 |
| Storage temperature                                       | -20 °C...60 °C                                                                   |
| Ambient temperature                                       | 0 °C...60 °C                                                                     |
| Theoretical torque at 6 bar                               | 6.6 Nm                                                                           |
| Permissible mass moment of inertia                        | 0.04 kgm <sup>2</sup>                                                            |
| Max. bending moment                                       | 10 Nm                                                                            |
| Max. axial load static                                    | 450 N                                                                            |
| Product weight                                            | 1240 g                                                                           |
| Type of mounting                                          | Alternatively:<br>With mounting kit<br>With through-hole<br>With internal thread |

| Feature               | Value                       |
|-----------------------|-----------------------------|
| Pneumatic connection  | M5                          |
| Note on materials     | RoHS compliant              |
| Seals material        | NBR<br>TPE-U(PU)            |
| Housing material      | Anodized aluminum           |
| Flange shaft material | Wrought aluminum alloy      |
| Pinion material       | Quenched and tempered steel |