

# Semi-rotary drive DRRD-20-180-FH-Y9A

Part number: 1427379

FESTO



 General operating condition

## Data sheet

| Feature                                             | Value                                                                                      |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------|
| Size                                                | 20                                                                                         |
| Cushioning angle                                    | 72 deg                                                                                     |
| Setting range of swivel angle for each end position | +10/-190 deg                                                                               |
| Swivel angle                                        | 180 deg                                                                                    |
| Cushioning                                          | Internal hydraulic cushioning normal                                                       |
| Mounting position                                   | optional                                                                                   |
| Design                                              | Rack and pinion                                                                            |
| Position detection                                  | Via proximity switch                                                                       |
| Symbol                                              | 00991265                                                                                   |
| Operating pressure                                  | 0.2 MPa ... 1 MPa                                                                          |
| Operating pressure                                  | 2 bar ... 10 bar                                                                           |
| Mode of operation                                   | Double-acting                                                                              |
| 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)       | 2.41 Nm                                                                                    |
| Permissible mass moment of inertia                  | 0.125 kgm <sup>2</sup>                                                                     |
| Product weight                                      | 883 g                                                                                      |
| Type of mounting                                    | Either:<br>With through-hole<br>Via female thread                                          |
| Pneumatic connection                                | M5                                                                                         |
| Note on materials                                   | RoHS-compliant                                                                             |
| Material drive shaft                                | Tempered steel                                                                             |
| Material cover                                      | Wrought aluminium alloy<br>Anodised                                                        |
| Material seals                                      | NBR<br>TPE-U(PU)                                                                           |
| Material housing                                    | Smooth anodised                                                                            |