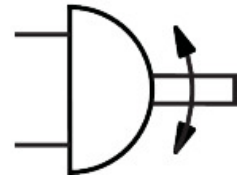



# Semi-rotary drive DRRD-16-180-FH-Y9A

Part number: 1644389

FESTO



 General operating condition

## Data sheet

| Feature   | Value  |
|---|--|
| Size  | 16   |
| Cushioning angle                                    | 43 deg   |
| Setting range of swivel angle for each end position | +10/-170 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)       | 1.59 Nm  |
| Permissible mass moment of inertia                  | 0.07 kgm <sup>2</sup>  |
| Product weight                                      | 650 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                                    | Wrought aluminium alloy<br>Smooth anodised   |