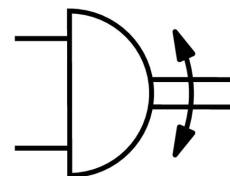


# Semi-rotary drive DSM-16-270-P1-HD-A-B

Part number: 1369117

FESTO



 General operating condition

## Data sheet

| Feature                                          | Value                                                      |
|--------------------------------------------------|------------------------------------------------------------|
| Size                                             | 16                                                         |
| Cushioning angle                                 | 9 deg                                                      |
| Rotation angle adjustment range                  | 0 deg ... 246 deg                                          |
| Swivel angle                                     | 0 deg ... 246 deg                                          |
| Cushioning                                       | Elastic cushioning rings/pads at both ends with fixed stop |
| Mounting position                                | optional                                                   |
| Fine adjustment                                  | -6 deg                                                     |
| Mode of operation                                | Double-acting                                              |
| Design                                           | Vane                                                       |
| Position detection                               | Via proximity switch                                       |
| Symbol                                           | 00991265                                                   |
| Operating pressure                               | 0.3 MPa ... 1 MPa                                          |
| Operating pressure                               | 3 bar ... 10 bar                                           |
| Max. swivel frequency at 0.6 MPa (6 bar, 87 psi) | 1.5 Hz                                                     |
| Operating medium                                 | Compressed air to ISO 8573-1:2010 [7:-:-]                  |
| Corrosion resistance class CRC                   | 0 - No corrosion stress                                    |
| LABS (PWIS) conformity                           | VDMA24364-B1/B2-L                                          |
| Ambient temperature                              | -10 °C ... 60 °C                                           |
| Max. axial force                                 | 290 N                                                      |
| Max. radial force                                | 300 N                                                      |
| Theoretical torque at 0.6 MPa (6 bar, 87 psi)    | 2.5 Nm                                                     |
| Permissible mass moment of inertia               | 0.03 kgm <sup>2</sup>                                      |
| Product weight                                   | 700 g                                                      |
| Type of mounting                                 | Via female thread                                          |
| Pneumatic connection                             | M5                                                         |
| Note on materials                                | RoHS-compliant                                             |
| Material drive shaft                             | Steel<br>Nickel-plated                                     |
| Material seals                                   | TPE-U(PU)                                                  |
| Material housing                                 | Wrought aluminium alloy                                    |