

# semi-rotary drive DSM-32-270-CC-FW-A-B

Part number: 547585

FESTO

with flanged shaft, shock absorbers at both ends and position sensing



## Data sheet

| Feature  | Value  |
|--|--|
| Size   | 32   |
| Cushioning angle                                 | 12 deg   |
| Rotation angle adjustment range                  | 0 ... 246 deg  |
| Swivel angle                                     | 0 ... 246 deg  |
| Cushioning                                       | CC: Shock absorber at both ends                          |
| Assembly position                                | Any  |
| Fine adjustment                                  | -3 deg   |
| Mode of operation                                | double-acting  |
| Design structure                                 | Rotary vane  |
| Position detection                               | For proximity sensor                                     |
| Operating pressure MPa                           | 0.15 ... 1 MPa   |
| Operating pressure                               | 1.5 ... 10 bar   |
| Max. swivel frequency at 0.6 MPa (6 bar, 87 psi) | 0.7 Hz   |
| Operating medium                                 | Compressed air in accordance with ISO8573-1:2010 [7:-:-] |
| Corrosion resistance classification CRC          | 0 - No corrosion stress                                  |
| PWIS conformity                                  | VDMA24364-B1/B2-L  |
| Ambient temperature                              | -10 ... 60 °C  |
| Max. axial force                                 | 75 N   |
| Max. radial force                                | 200 N  |
| Theoretical torque at 0.6 MPa (6 bar, 87 psi)    | 10 Nm  |
| Permissible mass moment of inertia               | 0.05 kgm <sup>2</sup>                                    |
| Product weight                                   | 1,550 g  |
| Mounting type                                    | with internal (female) thread                            |
| Pneumatic connection                             | G1/8   |
| Materials note                                   | Conforms to RoHS   |
| Material of drive shaft                          | Steel<br>Nickel plated                                   |
| Material seals                                   | TPE-U(PU)  |
| Material housing                                 | Wrought Aluminium alloy                                  |