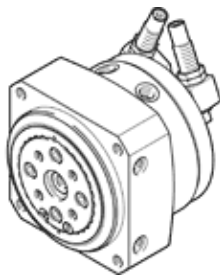


# semi-rotary drive DSM-12-270-CC-HD-A-B

Part number: 1369122

FESTO



## Data sheet

| Feature  | Value   |
|--|---|
| Size   | 12  |
| Cushioning angle                                 | 15 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                           | 0.3 ... 1 MPa   |
| Operating pressure                               | 3 ... 10 bar  |
| Max. swivel frequency at 0.6 MPa (6 bar, 87 psi) | 1 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                                 | 180 N   |
| Max. radial force                                | 200 N   |
| Theoretical torque at 0.6 MPa (6 bar, 87 psi)    | 1.25 Nm   |
| Permissible mass moment of inertia               | 0.008 kgm <sup>2</sup>                                  |
| Product weight                                   | 420 g   |
| Mounting type                                    | with internal (female) thread                           |
| Pneumatic connection                             | M5  |
| Materials note                                   | Conforms to RoHS  |
| Material of drive shaft                          | Steel<br>Nickel plated                                  |
| Material seals                                   | TPE-U(PU)   |
| Material housing                                 | Wrought Aluminium alloy                                 |