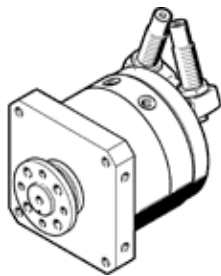


# Semi-rotary actuator DSM-T-63-270-CC-FW-A-B

Part number: 1145119

FESTO



## Data sheet

| Feature  | Value  |
|--|--|
| Size   | 63   |
| Cushioning angle                                 | 17.5 deg   |
| Rotation angle adjustment range                  | 0 ... 240 deg  |
| Swivel angle                                     | 0 ... 240 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                           | 0.2 ... 1 MPa  |
| Working pressure                                 | 2 ... 10 bar   |
| Max. swivel frequency at 0.6 MPa (6 bar, 87 psi) | 0.6 Hz   |
| Operating medium                                 | Compressed air in accordance with ISO8573-1:2010 [7:-:-] |
| Corrosion resistance classification CRC          | 0 - No corrosion stress                                  |
| PWIS conformity                                  | VDMA24364-B2-L   |
| Ambient temperature                              | -10 ... 60 °C  |
| Max. axial force                                 | 500 N  |
| Max. radial force                                | 500 N  |
| Theoretical torque at 0.6 MPa (6 bar, 87 psi)    | 80 Nm  |
| Permissible mass moment of inertia               | 0.5 kgm <sup>2</sup>                                     |
| Product weight                                   | 7,230 g  |
| Mounting type                                    | with internal (female) thread                            |
| Pneumatic connection                             | G1/4   |
| Materials note                                   | Conforms to RoHS   |
| Material of drive shaft                          | Steel<br>Nickel plated                                   |
| Material seals                                   | TPE-U(PU)  |
| Material housing                                 | Wrought Aluminum alloy                                   |