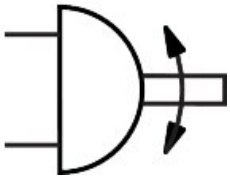
# Rotary actuator
# DSM-12-270-P1-HD-A-B

Part number: 1369116





## Data sheet

| Feature | Value |
|---|---|
| Size | 12 |
| Cushioning angle | 10 deg |
| Adjustment range of swivel angle | 0 deg...246 deg |
| Swivel angle | 0 deg...246 deg |
| Permissible stop radius | 15 mm |
| Cushioning | Elastic cushioning rings/pads at both ends with fixed stop |
| Mounting position | Any |
| Precision adjustment | -6 deg |
| Mode of operation | Double-acting |
| Structural design | Rotary vane |
| Position sensing | Via proximity switch |
| Operating pressure | 0.3 MPa...1 MPa<br>3 bar...10 bar |
| Max. swivel frequency at 6 bar | 1.5 Hz |
| Repetition accuracy | 0.1 deg |
| Operating medium | Compressed air as per ISO 8573-1:2010 [7:-:-] |
| Information on operating and pilot media | Operation with oil lubrication possible (required for further use) |
| Corrosion resistance class (CRC) | 0 - No corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B1/B2-L |
| Ambient temperature | -10 °C...60 °C |
| Max. stop force | 90 N |
| Max. axial force | 180 N |
| Max. radial force | 200 N |
| Theoretical torque at 6 bar | 1.25 Nm |
| Permissible mass moment of inertia | 0.015 kgm² |
| Product weight | 420 g |
| Type of mounting | With internal thread |
| Pneumatic connection | M5 |
| Note on materials | RoHS compliant |
| Drive shaft material | Steel<br>Nickel-plated |
| Seals material | TPE-U(PU) |

| Feature | Value |
| --- | --- |
| Housing material | Anodized aluminum |