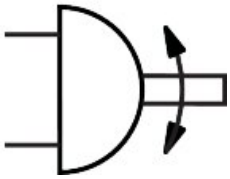
# Semi-rotary drive
# DSM-16-270-CC-HD-A-B

Part number: 1369123





## Data sheet

| Feature | Value |
|---|---|
| Size | 16 |
| Cushioning angle | 12 deg |
| Rotation angle adjustment range | 0 deg...246 deg |
| Swivel angle | 0 deg...246 deg |
| Permissible stop radius | 17 mm |
| Cushioning | Shock absorber at both ends |
| Mounting position | Any |
| Fine adjustment | -3 deg |
| Mode of operation | Double-acting |
| Design | Vane |
| Position detection | Via proximity switch |
| Operating pressure | 0.3 MPa...1 MPa<br>3 bar...10 bar |
| Max. swivel frequency at 0.6 MPa (6 bar, 87 psi) | 1 Hz |
| Repetition accuracy | 0.1 deg |
| Operating medium | Compressed air to ISO 8573-1:2010 [7:-:-] |
| Note on operating and pilot medium | Lubricated operation possible (in which case lubricated operation will always be required) |
| Corrosion resistance class CRC | 0 - No corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B1/B2-L |
| Ambient temperature | -10 °C...60 °C |
| Max. stop force | 160 N |
| 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 | 0.02 kgm² |
| Product weight | 705 g |
| Type of mounting | With female thread |
| Pneumatic connection | M5 |
| Note on materials | RoHS compliant |
| Material drive shaft | Steel<br>nickel-plated |

| Feature | Value |
|---|---|
| Material seals | TPE-U(PU) |
| Material housing | Anodised aluminium |