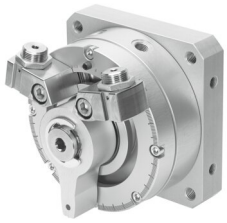
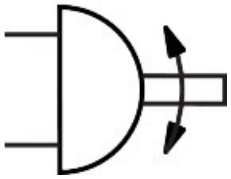
# Semi-rotary drive
# DSM-25-270-P-A-B

Part number: 547578





## Data sheet

| Feature | Value |
|---|---|
| Size | 25 |
| Cushioning angle | 1.2 deg |
| Rotation angle adjustment range | 0 deg...270 deg |
| Swivel angle | 0 deg...270 deg |
| Permissible stop radius | 21 mm |
| Cushioning | Elastic cushioning rings/plates at both ends |
| Mounting position | Any |
| Fine adjustment | -6 deg |
| Mode of operation | Double-acting |
| Design | Vane |
| Position detection | Via proximity switch |
| Operating pressure | 0.15 MPa...1 MPa<br>1.5 bar...10 bar |
| Max. swivel frequency at 0.6 MPa (6 bar, 87 psi) | 2 Hz |
| Repetition accuracy | 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 |
| Cleanroom suitability, measured according to ISO 14644-14 | Class 6 according to ISO 14644-1 |
| Ambient temperature | -10 °C...60 °C |
| Max. stop force | 320 N |
| Max. axial force | 50 N |
| Max. radial force | 120 N |
| Theoretical torque at 0.6 MPa (6 bar, 87 psi) | 5 Nm |
| Permissible mass moment of inertia | 0.015 kgm² |
| Product weight | 700 g |
| Type of mounting | With female thread |
| Pneumatic connection | M5 |
| Note on materials | RoHS compliant |
| Material drive shaft | Steel |

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