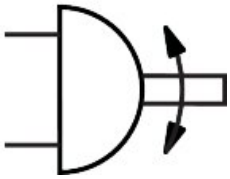
# Rotary actuator
# DSM-6-180-P-A-FF-FW

Part number: 185933





## Data sheet

| Feature | Value |
|---|---|
| Size | 6 |
| Cushioning angle | 0 deg |
| Adjustment range of swivel angle | 0 deg...180 deg |
| Swivel angle | 0 deg...180 deg |
| Permissible stop radius | 10 mm |
| Mounting position | Any |
| Precision adjustment | -5 deg |
| Mode of operation | Double-acting |
| Structural design | Rotary vane |
| Position sensing | Via proximity switch |
| Operating pressure | 0.35 MPa...0.8 MPa<br>3.5 bar...8 bar |
| Max. swivel frequency at 6 bar | 3 Hz |
| Repetition accuracy | 1 deg |
| Operating medium | Compressed air as per ISO 8573-1:2010 [7:4:4] |
| 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 | 0 °C...60 °C |
| Max. stop force | 15 N |
| Max. axial force | 10 N |
| Max. radial force | 15 N |
| Theoretical torque at 6 bar | 0.15 Nm |
| Permissible mass moment of inertia | 0.00065 kgm² |
| Product weight | 91 g |
| Type of mounting | With internal thread |
| Pneumatic connection | M3 |
| Covering material | PA-reinforced |
| Note on materials | RoHS compliant |
| Drive shaft material | high-alloy stainless steel |
| Seals material | TPE-U(PU) |

| Feature | Value |
| --- | --- |
| Housing material | Aluminum<br>Anodized |