

Semi-rotary drive DSM-6-180-P-FF

Part number: 175827

FESTO



 General operating condition

Data sheet

| Feature | Value |
|--|--|
| Size | 6 |
| Cushioning angle | 0 deg |
| Rotation angle adjustment range | 0 deg ... 180 deg |
| Swivel angle | 0 deg ... 180 deg |
| Permissible stop radius | ≥10 mm |
| Mounting position | optional |
| Fine adjustment | -5 deg |
| Mode of operation | Double-acting |
| Design | Vane |
| Position detection | Without |
| Symbol | 00991265 |
| Operating pressure | 0.35 MPa ... 0.8 MPa |
| Operating pressure | 3.5 bar ... 8 bar |
| Max. swivel frequency at 0.6 MPa (6 bar, 87 psi) | 3 Hz |
| Repetition accuracy | 1 deg |
| Operating medium | Compressed air to ISO 8573-1:2010 [7:4:4] |
| 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 | 0 °C ... 60 °C |
| Max. stop force | 15 N |
| Max. axial force | 10 N |
| Max. radial force | 15 N |
| Theoretical torque at 0.6 MPa (6 bar, 87 psi) | 0.15 Nm |
| Permissible mass moment of inertia | 6.5E-4 kgm ² |
| Product weight | 70 g |
| Type of mounting | Via female thread |
| Pneumatic connection | M3 |
| Material covering | PA-reinforced |
| Note on materials | RoHS-compliant |
| Material drive shaft | High-alloy stainless steel |
| Material seals | TPE-U(PU) |
| Material housing | Anodised |