

Semi-rotary actuator DSM-63-270-P1-HD-A-B

Part number: 1369121

FESTO



Data sheet

| Feature | Value |
|--|---|
| Size | 63 |
| Cushioning angle | 6 deg |
| Rotation angle adjustment range | 0 ... 240 deg |
| Swivel angle | 0 ... 240 deg |
| Cushioning | P1: Flexible cushioning rings/plates with stop at both ends |
| Assembly position | Any |
| Fine adjustment | -6 deg |
| Mode of operation | double-acting |
| Design structure | Rotary vane |
| Position detection | For proximity sensor |
| Operating pressure MPa | 0.2 ... 1 MPa |
| Working pressure | 2 ... 10 bar |
| Max. swivel frequency at 0.6 MPa (6 bar, 87 psi) | 1 Hz |
| Operating medium | Compressed air in accordance with ISO8573-1:2010 [7:::] |
| Corrosion resistance classification CRC | 0 - No corrosion stress |
| PWIS conformity | VDMA24364-B1/B2-L |
| Ambient temperature | -10 ... 60 °C |
| Max. axial force | 1,300 N |
| Max. radial force | 1,600 N |
| Theoretical torque at 0.6 MPa (6 bar, 87 psi) | 40 Nm |
| Permissible mass moment of inertia | 0.45 kgm ² |
| Product weight | 6,600 g |
| Mounting type | with internal (female) thread |
| Pneumatic connection | G1/4 |
| Materials note | Conforms to RoHS |
| Material of drive shaft | Steel Nickel plated |
| Material seals | TPE-U(PU) |
| Material housing | Wrought Aluminum alloy |