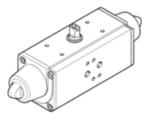
semi-rotary drive DAPS-0015-090-RS4-F0305-T6 Part number: 553229

single-acting, air connection to VDI/VDE 3845 Namur valves, direct flange mounting, low-temperature version.



Data sheet

| Feature | Value |
|--|---|
| Size of actuator | 0015 |
| Flange hole pattern | F03 |
| | F05 |
| Swivel angle | 90 deg |
| End-position adjustment range at 0° | -1 9 deg |
| End-position adjusting range at nominal swivel angle | 81 91 deg |
| Shaft connection depth | 13.2 mm |
| Note regarding end position setting range | One selectable end position is adjustable |
| Fitting connection conforms to standard | ISO 5211 |
| Cushioning | No cushioning |
| Assembly position | Any |
| Mode of operation | single-acting |
| Design structure | Yoke kinematics |
| Position detection | No |
| Closing direction | right-closing |
| Valve connection conforms to standard | VDI/VDE 3845 (NAMUR) |
| Safety Integrity Level (SIL) | Product can be used in SRP/CS up to SIL 2 low demand |
| Connection pressure for spring force | 0.56 MPa |
| Supply pressure for spring strength | 5.6 bar |
| Operating pressure MPa | 0.56 0.84 MPa |
| Operating pressure | 5.6 8.4 bar |
| Nominal operating pressure | 0.56 MPa |
| | 5.6 bar |
| Max. swivel frequency at 0.6 MPa (6 bar, 87 psi) | 1 Hz |
| CE mark (see declaration of conformity) | to EU directive explosion protection (ATEX) |
| UKCA marking (see declaration of conformity) | To UK EX instructions |
| Certificate issuing department | TÜV Nord 212170801 |
| ATEX category Gas | II 2G |
| ATEX category Dust | II 2D |
| Explosion ignition protection type Gas | Ex h IIC T6T3 Gb X |
| Explosion ignition protection type Dust | Ex h IIIC T85°CT200°C Db X |
| Explosion-proof ambient temperature | -50°C <= Ta <= +60°C |
| Operating medium | Compressed air in accordance with ISO8573-1:2010 [7:4:4] |
| Note on operating and pilot medium | Lubricated operation possible (subsequently required for further operation) |
| Corrosion resistance classification CRC | 3 - High corrosion stress |
| PWIS conformity | VDMA24364 zone III |
| Ambient temperature | -50 60 °C |
| Torque at rated operating pressure and 0° rotation angle | 15 Nm |
| Torque at nominal operating pressure with 50° swivel angle | 7.5 Nm |
| Torque at nominal operating pressure with 90° swivel angle | 10 Nm |
| Note about the torque | The operating torque of the actuator must not be higher than the |
| חסוב מססגו וחב נסוקעב | maximum permissible torque listed in ISO 5211, with reference to the size of the mounting flange and of the coupling. |



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| Feature | Value |
|---|-------------------------|
| Spring return torque with 0° swivel angle | 10 Nm |
| Spring return torque with 50° swivel angle | 7.5 Nm |
| Spring return torque at 90° | 15 Nm |
| Spring strength | 4 |
| Air consumption at 0.6 MPa (6 bar, 87 psi) per cycle 0°-nominal swivel angle-0° | 0.63 l |
| Product weight | 1,200 g |
| Shaft connection | T11 |
| Pneumatic connection | G1/8 |
| Materials note | Conforms to RoHS |
| Material cover | Wrought Aluminium alloy |
| Material seals | FVMQ |
| | PTFE reinforced |
| Material housing | Wrought Aluminium alloy |
| Material screws | High alloy steel |
| Material shaft | High alloy steel |
| Material number for shaft | 1.4305 |