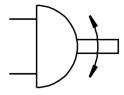
Semi-rotary drive DAPS-0015-090-R-F04-T6 Part number: 553171

FESTO





Data sheet

| Feature | Value |
|---|--|
| Size of valve actuator | 0015 |
| Flange hole pattern | F04 |
| Swivel angle | 90 deg |
| End-position adjustment range at 0° | -1 deg 9 deg |
| Shaft connection depth | 13.2 mm |
| Short type code | DAPS |
| Fitting connection conforms to standard | ISO 5211 |
| Cushioning | No cushioning |
| Mounting position | optional |
| Mode of operation | Double-acting |
| Design | Scotch yoke system |
| Position detection | Without |
| Closing direction | Closes to the right |
| Symbol | 00991265 |
| Valve connection conforms to standard | VDI/VDE 3845 (NAMUR) |
| Safety Integrity Level (SIL) | Up to SIL 2 High Demand mode To SIL 2 Low Demand mode |
| Operating pressure | 3 bar 8.4 bar |
| Nominal operating pressure | 5.6 bar |
| ATEX category gas | II 2G |
| Explosion ignition protection type for gas | Ex h IIC T6T3 Gb X |
| ATEX category dust | II 2D |
| Explosion ignition protection type for dust | Ex h IIIC T85°CT200°C Db X |
| Explosion ambient temperature | -50°C <= Ta <= +60°C |
| Ambient temperature | -50 ℃ 60 ℃ |
| Explosion protection | Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX) |
| 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) |
| CE mark (see declaration of conformity) | To EU Explosion Protection Directive (ATEX) |
| Corrosion resistance class CRC | 3 - High corrosion stress |
| Torque at nominal operating pressure and 0° swivel angle | 15 Nm |
| Torque at nominal operating pressure and 50° swivel angle | 7.5 Nm |
| Torque at nominal operating pressure and 90° swivel angle | 11.3 Nm |

| Feature | Value |
|---|--|
| Note on torque | The operating torque of the actuator must not be higher than the maximum permissible torque listed in ISO 5211, with reference to the size of the mounting flange and of the coupling. |
| Air consumption at 0.6 MPa (6 bar, 87 psi) per cycle 0°-nominal swivel angle-0° | 0.56 l |
| Product weight | 750 g |
| Shaft connection | T11 |
| Pneumatic connection | G1/8 |
| Note on materials | Contains paint-wetting impairment substances RoHS-compliant |
| 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 shaft | 1.4305 |