

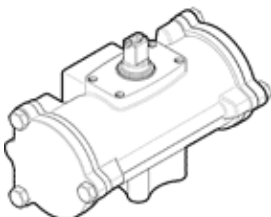
semi-rotary drive

DAPS-0120-090-R-F0507-CR

Part number: 552872

FESTO

double-acting, air connection to VDI/VDE 3845 Namur valves, direct flange mounting, stainless steel version.



Data sheet

| Feature | Value |
|---|---|
| Size of actuator | 0120 |
| Flange hole pattern | F05 F07 |
| Swivel angle | 90 deg |
| Shaft connection depth | 16.3 mm |
| Fitting connection conforms to standard | ISO 5211 |
| Cushioning | No cushioning |
| Assembly position | Any |
| Mode of operation | double-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 (high demand) Product can be used in SRP/CS up to SIL 2 low demand |
| Operating pressure MPa | 0.25 ... 0.84 MPa |
| Operating pressure | 2.5 ... 8.4 bar |
| Nominal operating pressure | 0.56 MPa 5.6 bar |
| 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 T6...T3 Gb X |
| Explosion ignition protection type Dust | Ex h IIIC T85°C...T200°C Db X |
| Explosion-proof ambient temperature | -20°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-B1/B2-L |
| Ambient temperature | -20 ... 80 °C |
| Torque at rated operating pressure and 0° rotation angle | 120 Nm |
| Torque at nominal operating pressure with 50° swivel angle | 60 Nm |
| Torque at nominal operating pressure with 90° swivel angle | 90 Nm |
| Air consumption at 0.6 MPa (6 bar, 87 psi) per cycle 0°-nominal swivel angle-0° | 4.06 l |
| Product weight | 3,300 g |
| Shaft connection | T14 |
| Pneumatic connection | G1/8 |
| Materials note | Conforms to RoHS |
| Material cover | High alloy steel, non-corrosive |

| Feature | Value |
|-----------------------------|---------------------------------|
| Material number, cover | 1.4408 |
| Material seals | FPM NBR PUR |
| Material housing | High alloy steel, non-corrosive |
| Material number for housing | 1.4408 |
| Material screws | High alloy steel, non-corrosive |
| Material shaft | High alloy steel, non-corrosive |
| Material number for shaft | 1.4301 |