

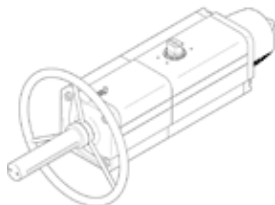
semi-rotary drive

DAPS-0480-090-RS4-F14-MW

Part number: 8005057

FESTO

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



Data sheet

| Feature | Value |
|--|---|
| Size of actuator | 0480 |
| Flange hole pattern | F14 |
| Swivel angle | 92 deg |
| Shaft connection depth | 38.5 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 (high demand) Product can be used in SRP/CS up to SIL 2 low demand |
| Supply pressure for spring strength | 5.6 bar |
| Operating pressure | 5.6 ... 8.4 bar |
| Nominal operating pressure | 5.6 bar |
| CE mark (see declaration of conformity) | to EU directive explosion protection (ATEX) |
| 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 | -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 | 2 - Moderate corrosion stress |
| Ambient temperature | -20 ... 80 °C |
| Torque at rated operating pressure and 0° rotation angle | 480 Nm |
| Torque at nominal operating pressure with 50° swivel angle | 240 Nm |
| Torque at nominal operating pressure with 90° swivel angle | 320 Nm |
| Spring return torque with 0° swivel angle | 320 Nm |
| Spring return torque with 50° swivel angle | 240 Nm |
| Spring return torque at 90° | 480 Nm |
| Spring strength | 4 |
| Air consumption at 6 bar per cycle 0°-90°-0° | 19.6 l |
| Product weight | 28,100 g |
| Shaft connection | T36 |
| Pneumatic connection | G1/4 |
| Materials note | Conforms to RoHS |
| Material cover | Wrought Aluminium alloy |
| Material seals | FPM |

| Feature | Value |
|---------------------------|-------------------------|
| | NBR PUR |
| Material housing | Wrought Aluminium alloy |
| Material screws | High alloy steel |
| Material shaft | High alloy steel |
| Material number for shaft | 1.4305 |