

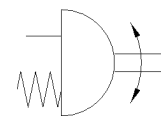
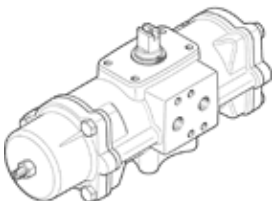
# Semi-rotary actuator

## DAPS-0240-090-RS1-F0710-CR

Part number: 552891

FESTO

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



### Data sheet

| Feature   | Value   |
|---|---|
| Size of actuator  | 0240  |
| Flange hole pattern   | F07<br>F10  |
| Swivel angle  | 90 deg  |
| Shaft connection depth  | 24.3 mm   |
| 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)<br>Product can be used in SRP/CS up to SIL 2 low demand |
| Connection pressure for spring force  | 0.28 MPa  |
| Supply pressure for spring strength   | 2.8 bar   |
| Operating pressure MPa  | 0.28 ... 0.84 MPa   |
| Working pressure  | 2.8 ... 8.4 bar   |
| Nominal operating pressure  | 0.56 MPa  |
| Nominal working pressure  | 5.6 bar   |
| CE symbol (see declaration of conformity)                                       | according to EU-Ex protection guideline (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   |
| Spring return torque with 0° swivel angle                                       | 80 Nm   |
| Spring return torque with 50° swivel angle                                      | 60 Nm   |
| Spring return torque at 90°   | 120 Nm  |
| Spring strength   | 1   |
| Air consumption at 0.6 MPa (6 bar, 87 psi) per cycle 0°-nominal swivel angle-0° | 9.66 l  |
| Product weight  | 12,900 g  |
| Shaft connection  | T22   |

| Feature                     | Value                           |
|-----------------------------|---------------------------------|
| Pneumatic connection        | G1/8                            |
| Materials note              | Conforms to RoHS                |
| Material cover              | High alloy steel, non-corrosive |
| Material number, cover      | 1.4408                          |
| Material seals              | FPM<br>NBR<br>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                          |