

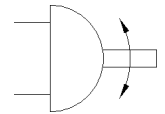
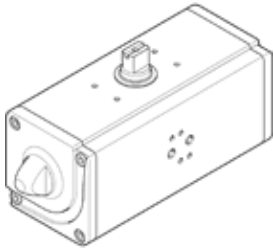
# semi-rotary drive

## DAPS-0480-090-R-F1012-T4

Part number: 8030609

FESTO

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



### Data sheet

| Feature  | Value  |
|--|--|
| Size of actuator   | 0480   |
| Flange hole pattern  | F10<br>F12   |
| Swivel angle   | 90 deg   |
| End-position adjustment range at 0°                        | -1 ... 9 deg   |
| Shaft connection depth                                     | 29.5 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)<br>Product can be used in SRP/CS up to SIL 2 low demand  |
| Operating pressure   | 3 ... 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                        | -20°C ≤ Ta ≤ +150°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  |
| Ambient temperature  | -20 ... 150 °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 | 360 Nm   |
| Note about the 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 6 bar per cycle 0°-90°-0°               | 18.2 l   |
| Product weight   | 9,600 g  |
| Shaft connection   | T27  |
| Pneumatic connection                                       | G1/4   |
| Materials note   | Contains PWIS substances<br>Conforms to RoHS   |
| Material cover   | Wrought Aluminium alloy  |
| Material seals   | FPM<br>PTFE reinforced   |

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