

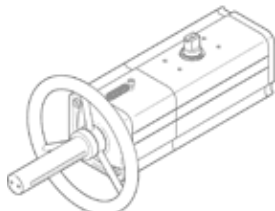
# semi-rotary drive

## DAPS-0360-090-R-F0710-MW-T6

Part number: 8005017

FESTO

double-acting, air connection to VDI/VDE 3845 Namur valves, direct flange mounting, version with handwheel and low temperature.



### Data sheet

| Feature   | Value   |
|---|---|
| Size of actuator  | 0360  |
| Flange hole pattern   | F07<br>F10  |
| Swivel angle  | 92 deg  |
| Shaft connection depth  | 24.3 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)<br>Product can be used in SRP/CS up to SIL 2 low demand |
| Operating pressure MPa  | 0.3 ... 0.84 MPa  |
| Operating pressure  | 3 ... 8.4 bar   |
| Nominal operating pressure  | 0.56 MPa<br>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   | -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   |
| PWIS conformity   | VDMA24364 zone III  |
| Ambient temperature   | -50 ... 60 °C   |
| Torque at rated operating pressure and 0° rotation angle                        | 360 Nm  |
| Torque at nominal operating pressure with 50° swivel angle                      | 180 Nm  |
| Torque at nominal operating pressure with 90° swivel angle                      | 270 Nm  |
| Air consumption at 0.6 MPa (6 bar, 87 psi) per cycle 0°-nominal swivel angle-0° | 16.1 l  |
| Product weight  | 10,200 g  |
| Shaft connection  | T22   |
| Pneumatic connection  | G1/8  |
| Materials note  | Conforms to RoHS  |
| Material cover  | Wrought Aluminium alloy   |

| Feature                   | Value                   |
|---------------------------|-------------------------|
| Material seals            | FVMQ<br>PTFE reinforced |
| Material housing          | Wrought Aluminium alloy |
| Material screws           | High alloy steel        |
| Material shaft            | High alloy steel        |
| Material number for shaft | 1.4305                  |