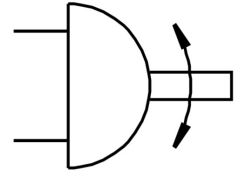


# Quarter turn actuator DAPS-0360-090-R-F0710

Part number: 533423

**FESTO**



## Data sheet

| Feature   | Value  |
|---|--|
| Size of valve actuator                                    | 0360   |
| Flange hole pattern                                       | F07<br>F10   |
| Swivel angle  | 90 deg   |
| End-position adjusting range at 0°                        | -1 deg ... 9 deg   |
| Depth shaft connection                                    | 24.3 mm  |
| Type code   | DAPS   |
| Standard connection for valve                             | ISO 5211   |
| Cushioning  | No cushioning  |
| Mounting position   | Any  |
| Mode of operation   | Double-acting  |
| Design  | Scotch yoke system   |
| Position sensing  | None   |
| Closing direction   | Clockwise closing  |
| Symbol  | 00991265   |
| Valve connection conforms to standard                     | VDI/VDE 3845 (NAMUR)   |
| Safety integrity level (SIL)                              | Up to SIL 2 high demand mode<br>Up to SIL 2 low demand mode        |
| Operating pressure  | 1 bar ... 8.4 bar  |
| Nominal operating pressure                                | 5.6 bar  |
| ATEX category gas   | II 2G  |
| Type of ignition protection for gas                       | Ex h IIC T6...T3 Gb X  |
| ATEX category for dust                                    | II 2D  |
| Type of (ignition) protection for dust                    | Ex h IIIC T85°C...T200°C Db X                                      |
| Explosive ambient temperature                             | -20°C ≤ Ta ≤ +60°C   |
| Ambient temperature                                       | -20 °C ... 80 °C   |
| Explosion prevention and protection                       | Zone 1 (ATEX)<br>Zone 2 (ATEX)<br>Zone 21 (ATEX)<br>Zone 22 (ATEX) |
| Operating medium  | Compressed air as per ISO 8573-1:2010 [7:4:4]                      |
| Information on operating and pilot media                  | Operation with oil lubrication possible (required for further use) |
| CE marking (see declaration of conformity)                | as per EU explosion protection directive (ATEX)                    |
| Corrosion resistance class (CRC)                          | 3 - High corrosion stress  |
| Torque at nominal operating pressure and 0° swivel angle  | 360 Nm   |
| Torque at nominal operating pressure and 50° swivel angle | 180 Nm   |
| Torque at nominal operating pressure and 90° swivel angle | 270 Nm   |

| Feature   | Value   |
|---|---|
| Note about the torque   | The actuator's operating torque must not be higher than the maximum permissible torque listed in ISO 5211, based on the size of the mounting flange and the coupling. |
| Air consumption at 6 bar per cycle 0°-nominal swivel angle-0° | 12.6 l  |
| Product weight  | 6500 g  |
| Shaft connection  | T22   |
| Pneumatic connection  | G1/8  |
| Note on materials   | RoHS-compliant  |
| Cover material  | Wrought aluminum alloy  |
| Seals material  | FPM<br>NBR<br>PUR   |
| Housing material  | Wrought aluminum alloy  |
| Material of screws  | High-alloy steel  |
| Shaft material  | High-alloy steel  |
| Material number for shaft                                     | 1.4305  |