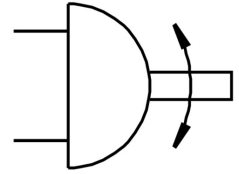


# Quarter turn actuator DAPS-0060-090-R-F04

Part number: 533419

**FESTO**



## Data sheet

| Feature                                                   | Value                                                              |
|-----------------------------------------------------------|--------------------------------------------------------------------|
| Size of valve actuator                                    | 0060                                                               |
| Flange hole pattern                                       | F04                                                                |
| Swivel angle                                              | 90 deg                                                             |
| End-position adjusting range at 0°                        | -1 deg ... 9 deg                                                   |
| Depth shaft connection                                    | 16.5 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                                        | 0.1 MPa ... 0.84 MPa                                               |
| Operating pressure                                        | 1 bar ... 8.4 bar                                                  |
| Nominal operating pressure                                | 0.56 MPa                                                           |
| Nominal operating pressure                                | 5.6 bar                                                            |
| CE marking (see declaration of conformity)                | as per EU explosion protection directive (ATEX)                    |
| Explosion prevention and protection                       | Zone 1 (ATEX)<br>Zone 2 (ATEX)<br>Zone 21 (ATEX)<br>Zone 22 (ATEX) |
| ATEX category gas                                         | II 2G                                                              |
| ATEX category for dust                                    | II 2D                                                              |
| Type of ignition protection for gas                       | Ex h IIC T6...T3 Gb X                                              |
| Type of (ignition) protection for dust                    | Ex h IIIC T85°C...T200°C Db X                                      |
| Explosive ambient temperature                             | -20°C ≤ Ta ≤ +60°C                                                 |
| 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) |
| Corrosion resistance class (CRC)                          | 3 - High corrosion stress                                          |
| Ambient temperature                                       | -20 °C ... 80 °C                                                   |
| Torque at nominal operating pressure and 0° swivel angle  | 60 Nm                                                              |
| Torque at nominal operating pressure and 50° swivel angle | 30 Nm                                                              |

| Feature                                                       | Value                                                                                                                                                                 |
|---------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Torque at nominal operating pressure and 90° swivel angle     | 45 Nm                                                                                                                                                                 |
| 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° | 2.1 l                                                                                                                                                                 |
| Product weight                                                | 1600 g                                                                                                                                                                |
| Shaft connection                                              | T14                                                                                                                                                                   |
| 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                                                                                                                                                                |