

# Quarter turn actuator DAPS-0060-090-RS4-F0507-CR

Part number: 552886

FESTO



 [General operating condition](#)

## Data sheet

| Feature                                      | Value  |
|--|--|
| Size of valve actuator                       | 0060   |
| Flange hole pattern                          | F05<br>F07   |
| Swivel angle                                 | 90 deg   |
| Depth shaft connection                       | 16.3 mm  |
| Standard connection for valve                | ISO 5211   |
| Cushioning                                   | No cushioning  |
| Mounting position                            | Any  |
| Mode of operation                            | Single-acting  |
| Structural design                            | Kinematic yoke system  |
| Position sensing                             | None   |
| Closing direction                            | Closes to the right  |
| Symbol                                       | 00991266   |
| 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        |
| Connection pressure for spring force         | 0.56 MPa   |
| Connection pressure for spring force         | 5.6 bar  |
| Operating pressure                           | 0.56 MPa ... 0.84 MPa  |
| Operating pressure                           | 5.6 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)                    |
| UKCA marking (see declaration of conformity) | acc. to UK EX instructions   |
| Explosion prevention and protection          | Zone 1 (ATEX)<br>Zone 2 (ATEX)<br>Zone 21 (ATEX)<br>Zone 22 (ATEX) |
| Certificate issuing authority                | German Technical Control Board North (TÜV Nord) 212170801          |
| 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) |

| Feature   | Value                      |
|---|----------------------------|
| Corrosion resistance class (CRC)                              | 3 - High corrosion stress  |
| LABS (PWIS) conformity  | VDMA24364-B1/B2-L          |
| 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                      |
| Torque at nominal operating pressure and 90° swivel angle     | 40 Nm                      |
| Spring return torque at 0° swivel angle                       | 40 Nm                      |
| Spring return torque with 50° swivel angle                    | 30 Nm                      |
| Spring return torque with 90° swivel angle                    | 60 Nm                      |
| Spring force  | 4                          |
| Air consumption at 6 bar per cycle 0°-nominal swivel angle-0° | 2.31 l                     |
| Product weight  | 4500 g                     |
| Shaft connection  | T14                        |
| Pneumatic connection  | G1/8                       |
| Note on materials   | RoHS compliant             |
| Cover material  | high-alloy stainless steel |
| Material number of cover                                      | 1,4408                     |
| Seals material  | FPM<br>NBR<br>PUR          |
| Housing material  | high-alloy stainless steel |
| Material number of housing                                    | 1,4408                     |
| Material of screws  | high-alloy stainless steel |
| Shaft material  | high-alloy stainless steel |
| Material number for shaft                                     | 1,4301                     |