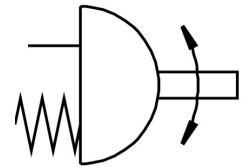
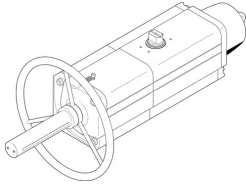


# Quarter turn actuator DAPS-0480-090-RS2-F1012-MW

Part number: 8005052

**FESTO**



## Data sheet

| Feature                                                   | Value                                                              |
|-----------------------------------------------------------|--------------------------------------------------------------------|
| Size of valve actuator                                    | 0480                                                               |
| Flange hole pattern                                       | F10<br>F12                                                         |
| Swivel angle                                              | 92 deg                                                             |
| Depth shaft connection                                    | 38.5 mm                                                            |
| Type code                                                 | DAPS                                                               |
| Information on the end-position adjusting range           | One end position optionally adjustable                             |
| Standard connection for valve                             | ISO 5211                                                           |
| Cushioning                                                | No cushioning                                                      |
| Mounting position                                         | Any                                                                |
| Mode of operation                                         | Single-acting                                                      |
| Design                                                    | Scotch yoke system                                                 |
| Position sensing                                          | None                                                               |
| Closing direction                                         | Clockwise closing                                                  |
| 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                      | 3.5 bar                                                            |
| Operating pressure                                        | 3.5 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                             | -50°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)                          | 2 - Moderate corrosion stress                                      |
| Torque at nominal operating pressure and 0° swivel angle  | 600 Nm                                                             |
| Torque at nominal operating pressure and 50° swivel angle | 330 Nm                                                             |

| Feature                                                       | Value                  |
|---------------------------------------------------------------|------------------------|
| Torque at nominal operating pressure and 90° swivel angle     | 500 Nm                 |
| Spring return torque at 0° swivel angle                       | 200 Nm                 |
| Spring return torque with 50° swivel angle                    | 150 Nm                 |
| Spring return torque with 90° swivel angle                    | 300 Nm                 |
| Spring force                                                  | 2                      |
| Air consumption at 6 bar per cycle 0°-nominal swivel angle-0° | 19.6 l                 |
| Product weight                                                | 28100 g                |
| Shaft connection                                              | T36                    |
| Pneumatic connection                                          | G1/4                   |
| 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                 |