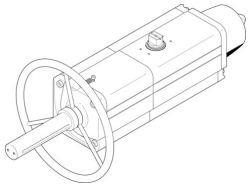
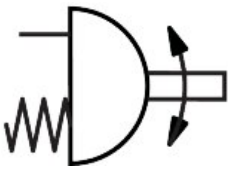
# Quarter turn actuator
# DAPS-0480-090-RS1-F1012-MW

Part number: 8005050





## Data sheet

| Feature | Value |
|---|---|
| Size of valve actuator | 0480 |
| Flange hole pattern | F10<br>F12 |
| Swivel angle | 92 deg |
| Shaft connection depth | 38.5 mm |
| Note on end-position adjusting range | One end position optionally adjustable |
| Fitting connection conforms to standard | ISO 5211 |
| Cushioning | No cushioning |
| Mounting position | optional |
| Mode of operation | Single-acting |
| Design | Scotch yoke system |
| Position detection | Without |
| Closing direction | Closes to the right |
| Valve connection conforms to standard | VDI/VDE 3845 (NAMUR) |
| Safety Integrity Level (SIL) | Up to SIL 2 High Demand mode<br>To SIL 2 Low Demand mode |
| Supply pressure for spring strength | 0.28 MPa<br>2.8 bar |
| Operating pressure | 0.28 MPa...0.84 MPa<br>2.8 bar...8.4 bar |
| Nominal operating pressure | 0.56 MPa<br>5.6 bar |
| CE mark (see declaration of conformity) | To EU Explosion Protection Directive (ATEX) |
| UKCA marking (see declaration of conformity) | To UK EX instructions |
| Explosion 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 dust | II 2D |
| Explosion ignition protection type for gas | Ex h IIC T6...T3 Gb X |
| Explosion ignition protection type for dust | Ex h IIIC T85°C...T200°C Db X |
| Explosion ambient temperature | -20°C <= Ta <= +60°C |

| Feature | Value |
|---|---|
| Operating medium | Compressed air to ISO 8573-1:2010 [7:4:4] |
| Note on operating and pilot medium | Lubricated operation possible (in which case lubricated operation will always be required) |
| Corrosion resistance class CRC | 2 - Moderate corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B1/B2-L |
| Ambient temperature | -20 °C...80 °C |
| Spring return torque at 0° swivel angle | 160 Nm |
| Spring return torque at 50° swivel angle | 120 Nm |
| Spring return torque at 90° swivel angle | 240 Nm |
| Spring strength | 1 |
| Air consumption at 0.6 MPa (6 bar, 87 psi) 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 |
| Material cover | Wrought aluminium alloy |
| Material seals | FPM<br>NBR<br>PUR |
| Material housing | Wrought aluminium alloy |
| Material screws | High-alloy steel |
| Material shaft | High-alloy steel |
| Material number shaft | 1.4305 |