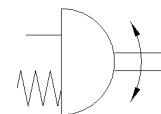
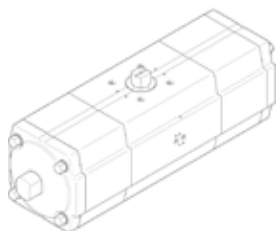


Semi-rotary actuator DFPB-520-090-S5-F14

Part number: 557639

FESTO



Data sheet

| Feature | Value |
|---|---|
| Size of actuator | 520 |
| Flange hole pattern | F14 |
| Swivel angle | 90 deg |
| Cushioning | No cushioning |
| Assembly position | Any |
| Mode of operation | single-acting |
| Design structure | Rack and pinion |
| Position detection | No |
| Valve connection conforms to standard | Based on VDI/VDE 3845 (NAMUR) |
| Safety Integrity Level (SIL) | bis SIL 3 Low Demand mode |
| Working pressure | ≤ 8 bar |
| Nominal working pressure | 5.6 bar |
| ATEX category Gas | II 2G |
| Explosion ignition protection type Gas | c T4 X |
| ATEX category Dust | II 2D |
| Explosion ignition protection type Dust | c 125°C X |
| Explosion-proof ambient temperature | $-20^{\circ}\text{C} \leq T_a \leq +80^{\circ}\text{C}$ |
| Ambient temperature | $-20 \dots 80^{\circ}\text{C}$ |
| Operating medium | Compressed air in accordance with ISO8573-1:2010 [7:4:4] |
| Note on operating and pilot medium | Lubricated operation possible (subsequently required for further operation) |
| CE symbol (see declaration of conformity) | according to EU-Ex protection guideline (ATEX) |
| Corrosion resistance classification CRC | 3 |
| Note about the torque | Das Betriebsdrehmoment des Antriebs darf nicht höher sein als das in der ISO 5211 aufgeführte maximal zulässige Drehmoment, bezogen auf die Größe des Befestigungsflansches und der Kupplung. |
| PFD (Probability of Failure on Demand) | 4.95E-06 |
| Pneumatic connection | G1/4 |
| Materials note | Conforms to RoHS |
| Materials information for drive shaft | Wrought Aluminum alloy Anodized |
| Materials information for cover | Aluminum die cast coated |
| Materials information for seals | NBR |
| Materials information, housing | Wrought Aluminum alloy Anodized |
| Materials information for nut | Wrought Aluminum alloy Anodized |
| Screw material data | High alloy steel, non-corrosive |