

# Semi-rotary actuator DRE-77-F12-Q06-FS-O

Part number: 561942

FESTO

Single-acting, air connection as per VDI/VDE 3845, Namur valves can be directly flange-mounted



## Data sheet

| Feature                                      | Value   |
|--|---|
| Size of actuator                             | 77  |
| Flange hole pattern                          | F12   |
| Swivel angle                                 | 90 deg  |
| End-position adjustment range at 0°          | -4 ... 8 deg  |
| End-position adjustment range at 90°         | -8 ... 4 deg  |
| Fitting connection conforms to standard      | ISO 5211  |
| Cushioning                                   | No cushioning   |
| Assembly position                            | Any   |
| Mode of operation                            | single-acting   |
| Design structure                             | Rack and pinion   |
| Position detection                           | No  |
| Closing direction                            | Spring force, closing   |
| Valve connection conforms to standard        | VDI/VDE 3845 (NAMUR)  |
| Working pressure                             | 2 ... 10 bar  |
| ATEX category Gas                            | II 2G   |
| Explosion ignition protection type Gas       | c T6  |
| ATEX category Dust                           | II 2D   |
| Explosion ignition protection type Dust      | c 60°C  |
| Explosion-proof ambient temperature          | -20°C ≤ Ta ≤ +60°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   |
| Ambient temperature                          | -20 ... 80 °C   |
| Air consumption at 6 bar per cycle 0°-90°-0° | 18 l  |
| Product weight                               | 19,800 g  |
| Shaft connection                             | V27   |
| Pneumatic connection                         | Subbase<br>G1/4   |
| Materials note                               | Contains PWIS substances  |