

# Semi-rotary actuator DRE-50-F07-Q10-FO-C

Part number: 190211

FESTO

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



## Data sheet

| Feature                                      | Value   |
|--|---|
| Size of actuator                             | 50  |
| Flange hole pattern                          | F07   |
| Swivel angle                                 | 90 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, opening   |
| 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      | 4   |
| Ambient temperature                          | -20 ... 80 °C   |
| Torque at 6 bar                              | 371 Nm  |
| Spring return moment                         | 134 Nm  |
| Air consumption at 6 bar per cycle 0°-90°-0° | 12 l  |
| Product weight                               | 12,200 g  |
| Shaft connection                             | V17   |
| Pneumatic connection                         | Subbase<br>G1/4   |
| Materials note                               | Contains PWIS substances  |