

# Semi-rotary drive DRE-100-F12-Q08-FS-O

Part number: 561982

FESTO

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



## Data sheet

| Feature                                      | Value   |
|--|---|
| Size of actuator                             | 100   |
| 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)  |
| Operating 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 mark (see declaration of conformity)      | to EU directive explosion protection (ATEX)                                 |
| Corrosion resistance classification CRC      | 3   |
| Ambient temperature                          | -20 ... 80 °C   |
| Air consumption at 6 bar per cycle 0°-90°-0° | 24 l  |
| Product weight                               | 22,900 g  |
| Shaft connection                             | V27   |
| Pneumatic connection                         | Sub-base<br>G1/4  |
| Materials note                               | Contains PWIS substances  |