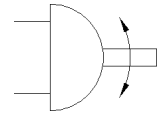
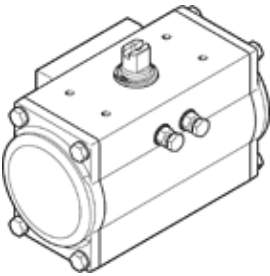


semi-rotary drive DFPD-120-RP-90-RD-F0507

Part number: 8048123

★ Core product range

FESTO



Data sheet

| Feature | values |
|--|--|
| Size of actuator | 120 |
| Flange hole pattern | F0507 |
| Swivel angle | 90 deg |
| End-position adjustment range at 0° | -5 ... 5 deg |
| End-position adjustment range at 90° | -5 ... 5 deg |
| Shaft connection depth | 19.3 mm |
| Fitting connection conforms to standard | ISO 5211 |
| Cushioning | No cushioning |
| Assembly position | Any |
| Mode of operation | double-acting |
| Design structure | Rack and pinion |
| Position detection | Optical |
| Closing direction | right-closing |
| Valve connection conforms to standard | VDI/VDE 3845 (NAMUR) |
| Connection for positioner and position sensor conforms to standard | VDI/VDE 3845 size AA 1 |
| Operating pressure | 2 ... 8 bar |
| Nominal operating pressure | 5.5 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 105°C X |
| Explosion-proof ambient temperature | -20°C ≤ Ta ≤ +80°C |
| Ambient temperature | -20 ... 80 °C |
| Operating medium | Compressed air in accordance with ISO8573-1:2010 [7:4:4] |
| Note on operating and pilot medium | Pressure dew point 10°C below ambient temperature/temperature of medium Lubricated operation possible (subsequently required for further operation) |
| CE mark (see declaration of conformity) | to EU directive explosion protection (ATEX) |
| Torque at rated operating pressure and 0° rotation angle | 117.4 Nm |
| Torque at nominal operating pressure with 90° swivel angle | 117.4 Nm |
| Note about the torque | The operating torque of the actuator must not be higher than the maximum permissible torque listed in ISO 5211, with reference to the size of the mounting flange and of the coupling. |
| Air consumption at 6 bar per cycle 0°-90°-0° | 7.8 l |
| Product weight | 4,872 g |
| Shaft connection | V17 |
| Pneumatic connection | G1/4 NPT1/4-18 |
| Materials note | Conforms to RoHS |
| Materials information for sub-base | Wrought Aluminium alloy Anodised |
| Material number of sub-base | EN AW-6063-T6 |
| Materials information for cover | Aluminium die cast coated |
| Material number, cover | EN AC-46100-D |
| Materials information for seals | NBR |

| Feature | values |
|--------------------------------------|-------------------------------------|
| Materials information for spring | Spring steel |
| Materials information, housing | Wrought Aluminium alloy Anodised |
| Material number for housing | EN AW-6063-T6 |
| Materials information for piston rod | Aluminium die cast |
| Material number of piston rod | EN AC-46100-D |
| Materials information for bearing | POM |
| Material information, cam | Stainless steel casting |
| Material number of cam | 1.4308 |
| Screw material data | High alloy steel, non-corrosive |
| Material number, screw | 1.4301 |
| Materials information for shaft | Steel Nickel plated |
| Material number for shaft | 1.0715 |