

Semi-Rotary Drive DFPD-20-RP-90-RD-F05-R3-EP - Festo 8048013

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|-------------------------|----------------------------|---------------------|---------------|
| Item no. | FES-8048013 | Manufacturer | Festo |
| Manufacturer no. | DFPD-20-RP-90-RD-F05-R3-EP | EAN | 4052568287832 |

Festo rotary actuator for defined swivel motion and positioning in automation.

TECHNICAL DATA

| | |
|-------------------------|-------------------------|
| Article authenticity | Original product |
| Betriebsdruck max [bar] | 8.000000 |
| Condition of article | New |
| HS-Code | 84123900 |
| Pneumatischer Anschluss | G1/8 |
| Weight | 1.275 kg |
| Werkstoff | Aluminium |



STANDARDS & COMPLIANCE

ISO 8573-1:2010 **ISO 5211**

DESCRIPTION

Festo rotary actuator for defined swivel motion and positioning in automation. The key technical data of this genuine Festo article are listed below.

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| Position drive dimensions | 20 |
| Flange drilling screen | F05 |
| Swivel angle [deg] | 90 |
| Adjustable range end position at 0° [deg] | -5 to 5 |
| Adjustable range end position at 90° [deg] | -5 to 5 |
| Shaft connection Depth [mm] | 12 |
| Standard connection to fitting installation position | ISO 5211 arbitrary |
| Principle of operation | double acting |
| Construction set up | Toothed rack/pinion |

| | |
|---|--|
| Closing direction | Right closing |
| Valve connection corresponds to standard | VDI/VDE 3845 (NAMUR) |
| Connection for position controllers and position feedback signal comply with standard | VDI/VDE 3845 Size AA 1 |
| Safety Integrity Level (SIL) | Produkt kann eingesetzt werden in SRP/CS bis SIL 2 High Demand |
| Operating pressure [bar] | 2 to 8 |
| Nominal operating pressure [bar] | 5,5 |
| CE certificate (see declaration of conformity) | to EU EX protection directive (ATEX) |
| Certified awarding point | TÜV Rhineland |
| ATEX gas category | II 2G |
| ATEX dust category | II 2D |
| Ex ignition protection type gas | Ex h IIC T4 Gb X |
| Ex ignition protection type dust | Ex h IIIC T105°C Db X |
| Ex ambient temperature | -20°C <= Ta <= +80°C |
| Operating medium | Compressed air to ISO 8573-1:2010 [7:4:4] |
| Information about operating and control medium | Oiled operation possible (required in further operations) Pressure dew point 10°C under ambient and medium temperature |
| Bearing temperature [°C] | -20 to 60 |
| ambient temperature [°C] | -20 to 80 |
| Rotary torque for nominal operating pressure and 0° pivot angle [Nm] | 20,1 |
| Rotary torque for nominal operating pressure and 90° pivot angle [Nm] | 20,1 |
| Information about torque | The operating torque of the actuator may not be higher than the maximum permitted torque listed in ISO 5211, related to the size of the fastening flange and the coupling. |
| Air consumption a 6 bar per cycle 0°-90°-0° [LTR] | 1,8 |
| Product weight [g] | 1.275 |
| Shaft connection | T11 |
| Pneumatic connection | G1/8 |
| Material information | RoHs compliant |
| Connection plate material | Aluminium wrought alloy, anodised |
| Cover material | Alu-Druckguss, beschichtet |
| Seals material | NBR |
| Housing material | Aluminium wrought alloy, anodised |
| Piston material | Aluminium die casting |
| Bearing material | POM |
| Lug material | Cast stainless steel |
| Screws material | High-alloyed stainless steels |
| Shaft material | High-alloyed stainless steels |