

# Semi-rotary actuator

## DFPB-180-090-S5-F1012

Part number: 557619

FESTO



## Data sheet

Feature	Value
Size of actuator	180
Flange hole pattern	F1012
Swivel angle	90 deg
Cushioning	No cushioning
Assembly position	Any
Mode of operation	single-acting
Design structure	Rack and pinion
Position detection	No
Valve connection conforms to standard	Based on VDI/VDE 3845 (NAMUR)
Safety Integrity Level (SIL)	bis SIL 3 Low Demand mode
Working pressure	$\leq 8$ bar
Nominal working pressure	5.6 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 125°C X
Explosion-proof ambient temperature	-20°C $\leq$ Ta $\leq$ +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	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
Note about the torque	Das Betriebsdrehmoment des Antriebs darf nicht höher sein als das in der ISO 5211 aufgeführte maximal zulässige Drehmoment, bezogen auf die Größe des Befestigungsflansches und der Kupplung.
PFD (Probability of Failure on Demand)	4.95E-06
Pneumatic connection	G1/8
Materials note	Conforms to RoHS
Materials information for drive shaft	Wrought Aluminum alloy Anodized
Materials information for cover	Aluminum die cast coated
Materials information for seals	NBR
Materials information, housing	Wrought Aluminum alloy Anodized
Materials information for nut	Wrought Aluminum alloy Anodized
Screw material data	High alloy steel, non-corrosive