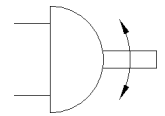
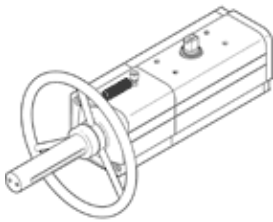


# semi-rotary drive DAPS-0106-090-R-F0507-MW

Part number: 8005002

FESTO



## Data sheet

Feature	values
Size of actuator	0106
Flange hole pattern	F05 F07
Swivel angle	90 deg
End-position adjustment range at 0°	-1 ... 9 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	Yoke kinematics
Position detection	No
Closing direction	right-closing
Valve connection conforms to standard	VDI/VDE 3845 (NAMUR)
Safety Integrity Level (SIL)	up to SIL 2 high demand mode Product can be used in SRP/CS up to SIL 2 low demand
Operating pressure	1 ... 8.4 bar
Nominal operating pressure	5.6 bar
ATEX category Gas	II 2G
Explosion ignition protection type Gas	c TX X
ATEX category Dust	II 2D
Explosion ignition protection type Dust	c TX X
Explosion-proof ambient temperature	-20°C ≤ Ta ≤ +60°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 mark (see declaration of conformity)	to EU directive explosion protection (ATEX)
Corrosion resistance classification CRC	2 - Moderate corrosion stress
Torque at rated operating pressure and 0° rotation angle	106 Nm
Torque at nominal operating pressure with 50° swivel angle	53 Nm
Torque at nominal operating pressure with 90° swivel angle	80 Nm
Air consumption at 6 bar per cycle 0°-90°-0°	4.2 l
Product weight	4,000 g
Shaft connection	V17
Pneumatic connection	G1/8
Materials note	Conforms to RoHS
Materials information for cover	Wrought Aluminium alloy
Materials information for seals	FPM NBR PUR
Materials information, housing	Wrought Aluminium alloy
Screw material data	High alloy steel
Materials information for shaft	High alloy steel
Material number for shaft	1.4305