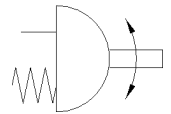
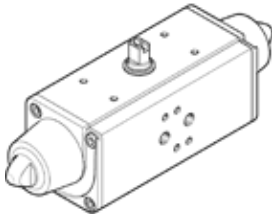


semi-rotary drive DAPS-0015-090-RS1-F0305

Part number: 533427

FESTO

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



Data sheet

Feature	values
Size of actuator	0015
Flange hole pattern	F03 F05
Swivel angle	90 deg
End-position adjustment range at 0°	-1 ... 9 deg
End-position adjustment range at 90°	81 ... 91 deg
Shaft connection depth	13.2 mm
Note regarding end position setting range	One selectable end position is adjustable
Fitting connection conforms to standard	ISO 5211
Cushioning	No cushioning
Assembly position	Any
Mode of operation	single-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
Supply pressure for spring strength	2.8 bar
Operating pressure	2.8 ... 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	3 - High corrosion stress
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.
Spring return torque with 0° swivel angle	5 Nm
Spring return torque with 50° swivel angle	3.7 Nm
Spring return torque at 90°	7.5 Nm
Spring strength	1
Air consumption at 6 bar per cycle 0°-90°-0°	0.72 l
Product weight	1,000 g
Shaft connection	V11
Pneumatic connection	G1/8
Materials note	Conforms to RoHS

Feature	values
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