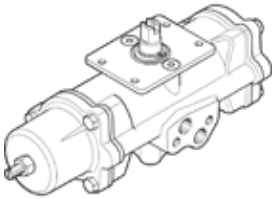


semi-rotary drive DAPS-0015-090-RS1-F03-CR

Part number: 552875

FESTO



Data sheet

Feature	values
Size of actuator	0015
Flange hole pattern	F03
Swivel angle	90 deg
Shaft connection depth	10.2 mm
Cushioning	No cushioning
Assembly position	Any
Mode of operation	single-acting
Design structure	Yoke kinematics
Position detection	No
Closing direction	right-closing
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
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°	0.5 l
Product weight	1,600 g
Shaft connection	V09
Pneumatic connection	G1/8
Materials note	Conforms to RoHS
Materials information for cover	High alloy steel, non-corrosive
Material number, cover	1.4408
Materials information for seals	FPM NBR PUR
Materials information, housing	High alloy steel, non-corrosive
Material number for housing	1.4408
Screw material data	High alloy steel, non-corrosive
Materials information for shaft	High alloy steel, non-corrosive
Material number for shaft	1.4301