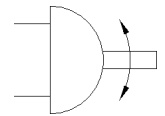
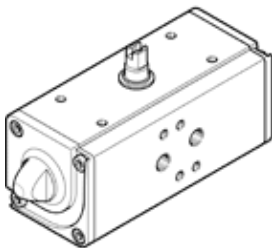


semi-rotary drive DAPS-0008-090-R-F03

Part number: 549666

FESTO

double-acting, Namur valves, no direct flange mounting



Data sheet

Feature	values
Size of actuator	0008
Flange hole pattern	F03
Swivel angle	90 deg
Shaft connection depth	10.1 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	3 - High corrosion stress
Torque at rated operating pressure and 0° rotation angle	7 Nm
Torque at nominal operating pressure with 50° swivel angle	3.5 Nm
Torque at nominal operating pressure with 90° swivel angle	7 Nm
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.
Air consumption at 6 bar per cycle 0°-90°-0°	0.4 l
Product weight	300 g
Shaft connection	V09
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