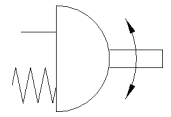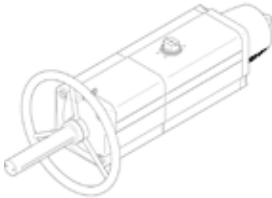# semi-rotary drive
DAPS-0720-090-RS1-F14-MW
Part number: 8005059

FESTO

single-acting, air connection to VDI/VDE 3845 Namur valves, direct
flange mounting, version with handwheel.

Data sheet

Feature	Value
Size of actuator	0720
Flange hole pattern	F14
Swivel angle	92 deg
Shaft connection depth	38.5 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)	Product can be used in SRP/CS up to SIL 2 (high demand)
	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
CE mark (see declaration of conformity)	to EU directive explosion protection (ATEX)
ATEX category Gas	II 2G
ATEX category Dust	II 2D
Explosion ignition protection type Gas	Ex h IIC T6...T3 Gb X
Explosion ignition protection type Dust	Ex h IIIC T85°C...T200°C Db X
Explosion-proof ambient temperature	-50°C <= Ta <= +60°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)
Corrosion resistance classification CRC	2 - Moderate corrosion stress
Ambient temperature	-20 ... 80 °C
Spring return torque with 0° swivel angle	240 Nm
Spring return torque with 50° swivel angle	180 Nm
Spring return torque at 90°	360 Nm
Spring strength	1
Air consumption at 6 bar per cycle 0°-90°-0°	29.4 l
Product weight	38,800 g
Shaft connection	T36
Pneumatic connection	G1/4
Materials note	Conforms to RoHS
Material cover	Wrought Aluminium alloy
Material seals	FPM
	NBR
	PUR
Material housing	Wrought Aluminium alloy
Material screws	High alloy steel
Material shaft	High alloy steel
Material number for shaft	1.4305