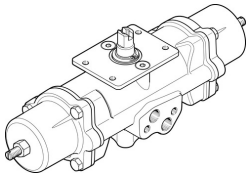
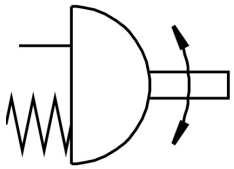
Quarter turn actuator
DAPS-0015-090-RS3-F03-CR

Part number: 552877





Data sheet

Feature	Value
Size of valve actuator	0015
Flange hole pattern	F03
Swivel angle	90 deg
Depth shaft connection	10.2 mm
Type code	DAPS
Cushioning	No cushioning
Mounting position	Any
Mode of operation	Single-acting
Design	Scotch yoke system
Position sensing	None
Closing direction	Clockwise closing
Symbol	00991266
Safety integrity level (SIL)	Up to SIL 2 high demand mode Up to SIL 2 low demand mode
Connection pressure for spring force	4.2 bar
Operating pressure	4.2 bar ... 8.4 bar
Nominal operating pressure	5.6 bar
ATEX category gas	II 2G
Type of ignition protection for gas	Ex h IIC T6...T3 Gb X
ATEX category for dust	II 2D
Type of (ignition) protection for dust	Ex h IIIC T85°C...T200°C Db X
Explosive ambient temperature	-20°C <= Ta <= +60°C
Ambient temperature	-20 °C ... 80 °C
Explosion prevention and protection	Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX)
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
CE marking (see declaration of conformity)	as per EU explosion protection directive (ATEX)
Corrosion resistance class (CRC)	3 - High corrosion stress
Torque at nominal operating pressure and 0° swivel angle	17.6 Nm
Torque at nominal operating pressure and 50° swivel angle	9.3 Nm
Torque at nominal operating pressure and 90° swivel angle	13.8 Nm
Spring return torque at 0° swivel angle	7.5 Nm
Spring return torque with 50° swivel angle	5.6 Nm
Spring return torque with 90° swivel angle	11.3 Nm

Feature	Value
Spring force	3
Air consumption at 6 bar per cycle 0°-nominal swivel angle-0°	0.6 l
Product weight	1600 g
Shaft connection	T9
Pneumatic connection	G1/8
Note on materials	RoHS-compliant
Cover material	High-alloy stainless steel
Material number of cover	1.4408
Seals material	FPM NBR PUR
Housing material	High-alloy stainless steel
Material number of housing	1.4408
Material of screws	High-alloy stainless steel
Shaft material	High-alloy stainless steel
Material number for shaft	1.4301