

Semi-rotary drive DAPS-0015-090-R-F03-T6

Part number: 553170

FESTO



Data sheet

Feature	Value
Size of valve actuator	0015
Flange hole pattern	F03
Swivel angle	90 deg
End-position adjustment range at 0°	-1 deg ... 9 deg
Shaft connection depth	13.2 mm
Short type code	DAPS
Fitting connection conforms to standard	ISO 5211
Cushioning	No cushioning
Mounting position	optional
Mode of operation	Double-acting
Design	Scotch yoke system
Position detection	Without
Closing direction	Closes to the right
Symbol	00991265
Valve connection conforms to standard	VDI/VDE 3845 (NAMUR)
Safety Integrity Level (SIL)	Up to SIL 2 High Demand mode To SIL 2 Low Demand mode
Operating pressure	3 bar ... 8.4 bar
Nominal operating pressure	5.6 bar
ATEX category gas	II 2G
Explosion ignition protection type for gas	Ex h IIC T6...T3 Gb X
ATEX category dust	II 2D
Explosion ignition protection type for dust	Ex h IIIC T85°C...T200°C Db X
Explosion ambient temperature	-50°C ≤ Ta ≤ +60°C
Ambient temperature	-50 °C ... 60 °C
Explosion protection	Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX)
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)
CE mark (see declaration of conformity)	To EU Explosion Protection Directive (ATEX)
Corrosion resistance class CRC	3 - High corrosion stress
Torque at nominal operating pressure and 0° swivel angle	15 Nm
Torque at nominal operating pressure and 50° swivel angle	7.5 Nm
Torque at nominal operating pressure and 90° swivel angle	11.3 Nm

Feature	Value
Note on 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 0.6 MPa (6 bar, 87 psi) per cycle 0°-nominal swivel angle-0°	0.56 l
Product weight	750 g
Shaft connection	T11
Pneumatic connection	G1/8
Note on materials	Contains paint-wetting impairment substances RoHS-compliant
Material cover	Wrought aluminium alloy
Material seals	FVMQ PTFE reinforced
Material housing	Wrought aluminium alloy
Material screws	High-alloy steel
Material shaft	High-alloy steel
Material number shaft	1.4305