

Quarter turn actuator DAPS-0106-090-R-F0507-MW-T6

Part number: 8005014

FESTO



Data sheet

Feature	Value
Size of valve actuator	0106
Flange hole pattern	F05 F07
Swivel angle	92 deg
Depth shaft connection	19.3 mm
Type code	DAPS
Standard connection for valve	ISO 5211
Cushioning	No cushioning
Mounting position	Any
Mode of operation	Double-acting
Design	Scotch yoke system
Position sensing	None
Closing direction	Clockwise closing
Symbol	00991265
Valve connection conforms to standard	VDI/VDE 3845 (NAMUR)
Safety integrity level (SIL)	Up to SIL 2 high demand mode Up to SIL 2 low demand mode
Operating pressure	3 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	-50°C ≤ Ta ≤ +60°C
Ambient temperature	-50 °C ... 60 °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)	2 - Moderate corrosion stress
Torque at nominal operating pressure and 0° swivel angle	106 Nm
Torque at nominal operating pressure and 50° swivel angle	53 Nm
Torque at nominal operating pressure and 90° swivel angle	80 Nm
Air consumption at 6 bar per cycle 0°-nominal swivel angle-0°	3.85 l

Feature	Value
Product weight	4000 g
Shaft connection	T17
Pneumatic connection	G1/8
Note on materials	Contains paint-wetting impairment substances RoHS-compliant
Cover material	Wrought aluminum alloy
Seals material	FVMQ PTFE-reinforced
Housing material	Wrought aluminum alloy
Material of screws	High-alloy steel
Shaft material	High-alloy steel
Material number for shaft	1.4305