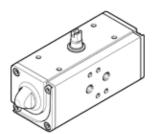
Semi-rotary actuator DAPS-0030-090-R-F04-T4 Part number: 8030602

FESTO

double-acting, air connection according to VDI/VDE 3845 Namur valves, direct flange mounting, high-temperature version.





Data sheet

Size of actuator 0030 Flange hole pattern F04 Swivel angle 90 deg End-position adjustment range at 0° -1 9 deg Shaft 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) Product can be used in SRP/CS up to SIL 2 low demand Operating pressure MPa 0.3 0.84 MPa Working pressure 3 8.4 bar Nominal operating pressure 0.56 MPa Nominal working pressure 5.6 bar Max. swivel frequency at 0.6 MPa (6 bar, 87 psi) 1 Hz CE symbol (see declaration of conformity) according to EU-Ex protection guideline (ATEX) UKCA marking (see declaration of conformity) To UK EX instructions Certificate issuing department TÜV Nord 212170801 ATEX category Dust II 20 Explosion ignition protection type Gas <th>re</th> <th>Value</th>	re	Value
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Explosion-proof ambient temperature $-20^{\circ}\text{C} \leftarrow \text{Ta} \leftarrow +150^{\circ}\text{C}$		
TUDE FATING MEDIUM 10 OWN 15 O	ating medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
, ,	Note on operating and pilot medium	• • • • • • • • • • • • • • • • • • • •
operation)		
Corrosion resistance classification CRC 3 - High corrosion stress	sion resistance classification CPC	1 '
PWIS conformity VDMA24364 zone III		
Ambient temperature -20 150 °C	,	15 1
Torque at rated working pressure and 0° rotation angle 30 Nm	•	
Torque at nominal operating pressure with 50° swivel angle 15 Nm		
Torque at nominal operating pressure with 90° swivel angle 22.5 Nm		
Note about the torque The operating torque of the actuator must not be higher than the		-
, , , , , , , , , , , , , , , , , , ,	Note about the torque	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°		· ·
Product weight 1,000 g		1.000 g
Shaft connection T11		
Pneumatic connection G1/8		



Feature	Value
Materials note	Conforms to RoHS
Material cover	Wrought Aluminum alloy
Material seals	FPM
	PTFE reinforced
Material housing	Wrought Aluminum alloy
Material screws	High alloy steel
Material shaft	High alloy steel
Material number for shaft	1.4305