

Semi-Rotary Drive DAPS-0030-090-R-F0305-T4 - Festo 8030601

Item no. FES-8030601

Manufacturer Festo

EAN 4052568280611

Festo rotary actuator for defined swivel motion and positioning in automation.

TECHNICAL DATA

Betriebsdruck max [bar]	8.400000
Certification	ATEX
Corrosion resistance class CRC	3 - severe corrosion stress
Cushioning	No dampening
Design	Joch kinematics
Dichtmaterial	FKM, PTFE-reinforced
Funktion	double-acting
HS-Code	84123900
Material	Aluminium
Medium	Compressed air
Mounting position	arbitrary
Norm	ISO 5211, VDI/VDE 3845
Operating conditions	ISO 8573-1
Pneumatic connection	G1/8
Series	DAPS
Temperature (max.)	150
Weight	1.1 kg



STANDARDS & COMPLIANCE

[ISO 8573-1:2010](#) [ISO 5211](#)

DESCRIPTION

Festo rotary actuator for defined swivel motion and positioning in automation. The key technical data of this genuine Festo article are listed below.

Position drive dimensions	0030
Flange drilling screen	F03 F05
Swivel angle [deg]	90
Adjustable range end position at 0° [deg]	-1 to 9
Shaft connection Depth [mm]	13,2
Standard connection to fitting	ISO 5211
Dampening	No dampening

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installation position	arbitrary
Principle of operation	double acting
Construction set up	Joch kinematics
Position detection	without
Closing direction	Right closing
Valve connection corresponds to standard	VDI/VDE 3845 (NAMUR)
Safety Integrity Level (SIL)	Product can be used in SRP/CS up to SIL 2 Low Demand Product can be used in SRP/CS up to SIL 2 High Demand
Operating pressure [bar]	3 to 8.4
Nominal operating pressure [bar]	5,6
CE certificate (see declaration of conformity)	to EU EX protection directive (ATEX)
ATEX gas category	II 2G
ATEX dust category	II 2D
Ex ignition protection type gas	Ex h IIC T6...T3 Gb X
Ex ignition protection type dust	Ex h IIIC T85°C...T200°C Db X
Ex ambient temperature	-20°C <= Ta <= +150°C
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Information about operating and control medium	Oiled operation possible (required in further operations)
Corrosion resistant class KBK	3 - severe corrosion stress
ambient temperature [°C]	-20 to 150
Rotary torque for nominal operating pressure and 0° pivot angle [Nm]	30,0
Rotary torque for nominal operating pressure and 50° pivot angle [Nm]	15,0
Rotary torque for nominal operating pressure and 90° pivot angle [Nm]	22,5
Information about torque	The operating torque of the actuator may not be higher than the maximum permitted torque listed in ISO 5211, related to the size of the fastening flange and the coupling.
Air consumption a 6 bar per cycle 0°-90°-0° [LTR]	1,05
Product weight [g]	1.000
Shaft connection	T11
Pneumatic connection	G1/8
Material information	LABS containing materials included RoHs compliant
Cover material	Aluminium wrought alloy
Seals material	FKM PTFE reinforced

Housing material	Aluminium wrought alloy
Screws material	High-alloyed steel
Shaft material	High-alloyed steel
Material number shaft	1.4305