

Semi-Rotary Drive DAPS-0120-090-RS3-F0710 - Festo 533445

Item no. FES-533445

Manufacturer Festo

EAN 4052568167042

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

TECHNICAL DATA

Betriebsdruck max [bar]	8.400000
Corrosion resistance class CRC	3 - severe corrosion stress
Cushioning	No dampening
Design	Joch kinematics
Dichtmaterial	FKM, NBR, PUR
Funktion	einfachwirkend
HS-Code	84123900
Medium	Druckluft
Mounting position	arbitrary
Pneumatischer Anschluss	G1/8
Serie	DAPS
Temperature (max.)	80
Weight	7 kg
Werkstoff	Aluminium



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	0120
Flange drilling screen	F07 F10
Swivel angle [deg]	90
Adjustable range end position at 0° [deg]	-1 to 9
Shaft connection Depth [mm]	24,8
Standard connection to fitting	ISO 5211
Dampening	No dampening
installation position	arbitrary
Principle of operation	single action

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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]	4.2 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 <= +60°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 80
Rotary torque for nominal operating pressure and 0° pivot angle [Nm]	140,0
Rotary torque for nominal operating pressure and 50° pivot angle [Nm]	75,0
Rotary torque for nominal operating pressure and 90° pivot angle [Nm]	110,0
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]	5,60
Product weight [g]	6.800
Shaft connection	T22
Pneumatic connection	G1/8
Material information	RoHs compliant
Cover material	Aluminium wrought alloy
Seals material	FKM NBR PUR
Housing material	Aluminium wrought alloy
Screws material	High-alloyed steel

Shaft material	High-alloyed steel
Material number shaft	1.4305
Adjustable range end position at 90° [deg]	81 to 91
Information about the adjustment range of the end positions	Selectively one end position is adjustable
Connection pressure for spring strength [bar]	4,2
Spring force torque at a swivel angle 0° [Nm]	60,0
Spring force torque at a swivel angle 50° [Nm]	45,0
Spring force torque at 90° [Nm]	90,0
Spring strength	3