

Semi-Rotary Drive DAPS-1920-090-RS3-F16-T6 - Festo 553227

Item no. FES-553227

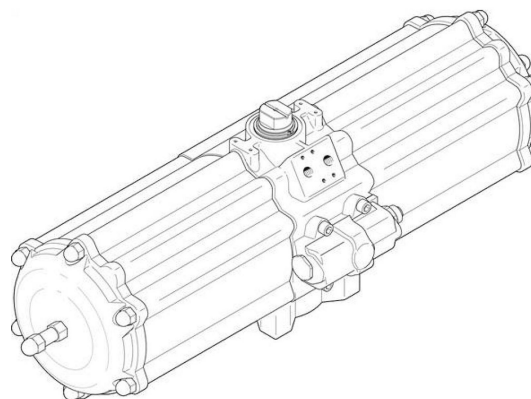
Manufacturer Festo

EAN 4052568196042

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	FVMQ, PTFE-reinforced
Funktion	single-acting
HS-Code	84123900
Material	Aluminium
Medium	Compressed air
Mounting position	arbitrary
Pneumatic connection	G3/8
Series	DAPS
Temperature (max.)	60
Weight	67 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	1920
Flange drilling screen	F16
Swivel angle [deg]	90
Adjustable range end position at 0° [deg]	-5 to 5
Shaft connection Depth [mm]	49,0
Standard connection to fitting	ISO 5211
Dampening	No dampening
installation position	arbitrary
Principle of operation	single action

esd.equipment

Keldersstr. 15

42697 Solingen, Deutschland

VAT ID: DE269659389

Phone: +49 212 38340680

shop@esd-equipment.com

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Page 1/3

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	-50°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]	-50 to 60
Rotary torque for nominal operating pressure and 0° pivot angle [Nm]	2.240,0
Rotary torque for nominal operating pressure and 50° pivot angle [Nm]	1.200,0
Rotary torque for nominal operating pressure and 90° pivot angle [Nm]	1.760,0
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]	91,70
Product weight [g]	67.000
Shaft connection	T46
Pneumatic connection	G3/8
Material information	LABS containing materials included RoHs compliant
Cover material	Aluminium wrought alloy
Seals material	FVMQ PTFE reinforced
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]	85 to 95
Connection pressure for spring strength [bar]	4,2
Spring force torque at a swivel angle 0° [Nm]	960,0
Spring force torque at a swivel angle 50° [Nm]	720,0
Spring force torque at 90° [Nm]	1.440,0
Spring strength	3