

Semi-Rotary Drive DAPS-2880-090-R-F16-T6 - Festo 553188

Item no. FES-553188

Manufacturer Festo

EAN 4052568195663

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

TECHNICAL DATA

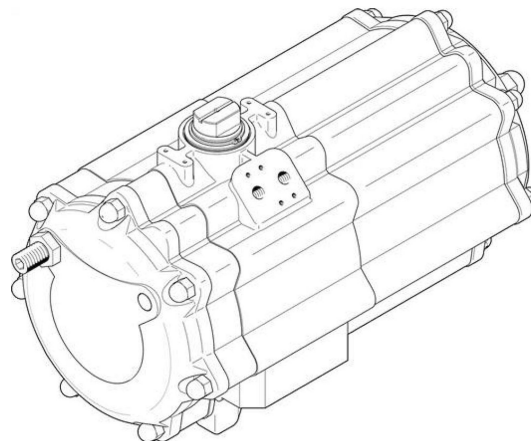
Betriebsdruck max [bar] **8.400000**

HS-Code **84123900**

Pneumatischer Anschluss **G3/8**

Weight **56 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	2880
Flange drilling screen	F16
Swivel angle [deg]	90
Adjustable range end position at 0° [deg]	-5 to 5
Shaft connection Depth [mm]	49,5
Standard connection to fitting	ISO 5211
Dampening	No dampening
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	-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]	2.880,0
Rotary torque for nominal operating pressure and 50° pivot angle [Nm]	1.440,0
Rotary torque for nominal operating pressure and 90° pivot angle [Nm]	2.160,0
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]	140,00
Product weight [g]	56.000
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