

Semi-Rotary Drive DAPS-1440-090-R-F12-MW-T6 - Festo 8005022

Item no. FES-8005022

Manufacturer Festo

EAN 4052568256715

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

TECHNICAL DATA

Betriebsdruck max [bar]	8.400000
HS-Code	84123900
Pneumatischer Anschluss	G1/4
Weight	34 kg
Werkstoff	Aluminium



STANDARDS & COMPLIANCE

ISO 8573-1:2010

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	1440
Flange drilling screen	F12
Swivel angle [deg]	92
Shaft connection Depth [mm]	38,5
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)

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Page 1/2

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	2 - moderate corrosion stress
ambient temperature [°C]	-50 to 60
Rotary torque for nominal operating pressure and 0° pivot angle [Nm]	1.440,0
Rotary torque for nominal operating pressure and 50° pivot angle [Nm]	720,0
Rotary torque for nominal operating pressure and 90° pivot angle [Nm]	1.080,0
Air consumption a 6 bar per cycle 0°-90°-0° [LTR]	67,90
Product weight [g]	33.600
Shaft connection	T36
Pneumatic connection	G1/4
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