

Swivel/Gripper Unit HGDS-PP-20-P1-A-B - Festo 1187962

Item no. FES-1187962

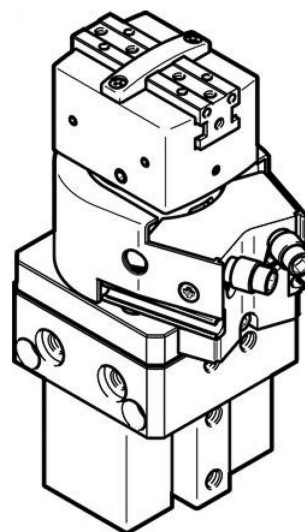
Manufacturer Festo

EAN 4052568228262

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

TECHNICAL DATA

Betriebsdruck max [bar]	8.000000
HS-Code	84798997
Pneumatischer Anschluss	M5
Weight	1.3 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.

size	20
Settings range swivel angle [deg]	0 to 210
Stroke per gripper jaw [mm]	7,0
Max. gripper jaw play ax, ay [deg]	0,1
Max. gripper jaw play Sz [mm]	0,02
Swivel angle [deg]	210
Quantity Gripper jaws	2
Dampening rotary actuator	Elastic dampening rings / plates double-sided, End positions adjustable, With fixed limit stop
installation position	arbitrary
Fine adjustment rotary actuator [deg]	-6,0
Principle of operation	double acting

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Gripper function	Parallel
Construction set up	With Parallel gripper and gripper actuator rotary actuator
Position detection grippers	With proximity switch
Position detection rotary actuator	With proximity switch
Operating pressure [bar]	3 to 8
Max. swivel frequency at 6 bar [Hz]	2,0
Min. opening time a 6 bar [ms]	60
Min. closing time at 6 bar [ms]	70
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]	5 to 60
Open gripper jaws at gripping force of 6 bar [N]	96
Open total gripping force at 6 bar [N]	192
Close gripper jaws at gripping force at 6 bar [N]	84
Close total gripping force at 6 bar [N]	168
Max. force on gripper jaws Fz static [N]	250
Max. torque on gripper jaws Mx static [Nm]	22
Max. torque on gripper jaws My static [Nm]	22
Max. torque on gripper jaws Mz static [Nm]	22
Theoretical torque at 6 bar [Nm]	2,50
Max. mass per external griper finger [g]	100
Product weight [g]	1.260
Fastening type	With Dovetail-slot Selectively: Female thread and centring sleeve With Throughway bore and centring sleeve
Pneumatic connection	M5
Material information	RoHs compliant
Drive shaft material	Steel
Cover material	POM aluminium
Seals material	NBR
Housing material	Aluminium wrought alloy

