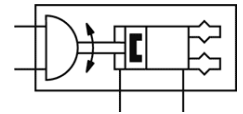
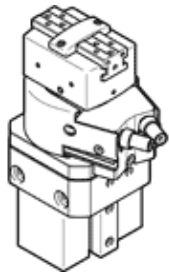


Swivel/gripper unit HGDS-PP-12-YSRT-A

Part number: 534279

FESTO

With hydraulic cushioning



Data sheet

Feature	Value
Max. force on gripper jaw Fz static	20 N
Mode of operation	double-acting
Total force at 6 bar, closing	52 N
Total force at 6 bar, opening	58 N
Fine adjustment of swivel drive	-2.5 deg
Max. angular gripper jaw backlash ax,ay	0 deg
Max. gripper jaw backlash Sz	0 mm
Min. closing time at 6 bar	30 ms
Min. opening time at 6 bar	20 ms
Max. torque at gripper Mz static	1.5 Nm
Max. torque at gripper Mx static	1.5 Nm
Note on operating and pilot medium	Lubricated operation possible (subsequently required for further operation)
Stroke per gripper jaw	2.5 mm
Max. swivel frequency at 6 bar	1.5 Hz
Torque at 6 bar	0.85 Nm
Product weight	465 g
Operating pressure	3 ... 8 bar
Swivel angle	210 deg
Rotation angle adjustment range	0 ... 210 deg
Number of gripper fingers	2
Ambient temperature	5 ... 60 °C
Max. torque at gripper My static	1.5 Nm
Gripping force per gripper jaw at 6 bar, closing	26 N
Gripping force per gripper jaw at 6 bar, opening	29 N
Gripper function	Parallel
Corrosion resistance classification CRC	2
Materials information for drive shaft	Steel
Assembly position	Any
Position detection, swivel drive	with proximity sensor
Position detection, gripper	with proximity sensor
Materials information for cover	Aluminium
Materials information, housing	Wrought Aluminium alloy
Materials note	Contains PWIS substances
Mounting type	Internal thread and centring sleeve
Cushioning of swivel drive	CC: Shock absorber at both ends
Materials information for gripper jaws	Wrought Aluminium alloy
Materials information for seals	NBR
Materials information for cover	POM
Size	12
Mounting type	With through-hole and centring sleeve
Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Mounting type	With dovetail slot Optional
Design structure	Swivel drive
Pneumatic connection	M5
Design structure	With parallel gripper and gripper drive