

Parallel gripper DHPC-16-A-NC-S

Part number: 8116797

FESTO



Data sheet

 General operating condition

Feature	Value
Size	16
Stroke per gripper jaws	3 mm
Max. replacement accuracy	0.2 mm
Max. angular gripper jaw backlash ax, ay	0 deg
Max. gripper jaw backlash Sz	0 mm
Rotationally symmetrical	≤0.2 mm
Repetition accuracy, gripper	≤0.02 mm
Number of gripper jaws	2
Drive system	Pneumatic
Mounting position	optional
Mode of operation	Single-acting Closed
Gripper function	Parallel
Gripper force back-up	During closing
Design	Force pilot operated motion sequence
Guide	Ball guide
Position detection	Via proximity switch
Symbol	00997348
Operating pressure	0.25 MPa ... 0.8 MPa
Operating pressure	2.5 bar ... 8 bar
Operating pressure	36.25 psi ... 116 psi
Max. operating frequency of gripper	3 Hz
Min. opening time at 0.6 MPa (6 bar, 87 psi)	30 ms
Min. closing time at 0.6 MPa (6 bar, 87 psi)	65 ms
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)
Corrosion resistance class CRC	0 - No corrosion stress
LABS (PWIS) conformity	VDMA24364-B2-L
Ambient temperature	-10 °C ... 60 °C
Total gripping force, opening, 0.6MPa (6bar, 87 psi)	101 N
Gripper force per gripper jaw, opening, 0.6 MPa (6 bar, 87 psi)	50.5 N
Mass moment of inertia	0.146 kgcm ²
Max. force on gripper jaw Fz static	84 N
Max. torque at gripper Mx static	0.94 Nm
Max. torque at gripper My static	0.71 Nm

Feature	Value
Max. torque at gripper Mz static	0.71 Nm
Product weight	111 g
Type of mounting	Either: Direct mounting via through-hole Direct mounting via thread Via through-hole and dowel pin Via female thread and dowel pin
Pneumatic connection	M3
Note on materials	RoHS-compliant
Material housing	Anodised aluminium
Material gripper jaws	High-alloy stainless steel