

Parallel gripper DHPC-6-A-NC-S-2

Part number: 8116749

FESTO



 General operating condition

Data sheet

Feature	Value
Size	6
Stroke per gripper jaw	2 mm
Max. interchangeability	0.2 mm
Max. gripper jaw angular play ax, ay	0 deg
Max. gripper jaw backlash Sz	0 mm
Rotational symmetry	≤0.2 mm
Pneumatic gripper repetition accuracy	≤0.02 mm
Number of gripper jaws	2
Actuator system	Pneumatic
Mounting position	Any
Mode of operation	Single-acting Closed
Gripper function	Parallel
Gripping force backup	During closing
Structural design	Positively driven motion sequence
Guide	Ball guide
Position sensing	For proximity sensor
Symbol	00997348
Variants	Metals with copper, zinc or nickel by mass as main constituent are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils.
Operating pressure	0.35 MPa ... 0.8 MPa
Operating pressure	3.5 bar ... 8 bar
Operating pressure	50.75 psi ... 116 psi
Max. operating frequency of pneumatic gripper	3 Hz
Min. opening time at 6 bar	16 ms
Min. closing time at 6 bar	16 ms
Max. mass per external gripper finger	6 g
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
Corrosion resistance class (CRC)	0 - No corrosion stress
LABS (PWIS) conformity	VDMA24364-B2-L
Suitability for the production of Li-ion batteries	Suitable for battery production with reduced Cu/Zn/Ni values (F1a)
Ambient temperature	-10 °C ... 60 °C
Gripping force per gripper jaw at 6 bar, opening	10.4 N

Feature	Value
Gripping force per gripper jaw at 6 bar, opening	5.2 N
Mass moment of inertia	0.012 kgcm ²
Maximum force on gripper jaw Fz, static	22 N
Maximum torque on gripper jaw, Mx static	0.24 Nm
Maximum torque on gripper jaw, My static	0.11 Nm
Maximum torque on gripper jaw, Mz static	0.11 Nm
Product weight	27 g
Type of mounting	Optionally: Direct mounting via through-hole Direct fastening via thread
Pneumatic connection	M3
Note on materials	RoHS-compliant
Housing material	Aluminum, anodized
Gripper jaw material	High-alloy stainless steel