Parallel gripper DHPC-L-10-A-NC-S-1 Part number: 8116781



Data sheet

Τ	V

General operating condition

Stroke per gripper jaw 4 mm Max. interchangeability 0.2 mm Max. gripper jaw angular play ax, ay 0 deg Max. gripper jaw backlash Sz 0 mm Rotational symmetry s0.2 mm Pneumatic gripper repetition accuracy s0.02 mm Number of gripper paws 2 Actuators system Pneumatic Mounting position Any Mode of operation Single-acting Closed Gripper function Parallel Gripping force backup During closing Structural design Connection direction at side Lever Studie Ball guide Position sensing For proximity sensor Symbol 00997348 Variants Metal 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 connector and coils. Operating pressure 0.75 psi 116 psi Max. operating frequency of pneumatic gripper 3 Hz Min. closing time at 6 bar 26 ms Operating medium Coperation with oil Lubrication possible (required for further use) Operating medium Co	Feature	Value
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Information on operating and pilot mediaOperation with oil lubrication possible (required for further use)Corrosion resistance class (CRC)0 - No corrosion stress	Min. closing time at 6 bar	26 ms
Corrosion resistance class (CRC) 0 - No corrosion stress	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)
LABS (PWIS) conformity VDMA24364-B2-L	Corrosion resistance class (CRC)	0 - No corrosion stress
	LABS (PWIS) conformity	VDMA24364-B2-L

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Feature	Value
Suitability for the production of Li-ion batteries	Metals with more than 1% by mass of copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel- plated surfaces, printed circuit boards, cables, electrical plug connectors and coils
Ambient temperature	-10 °C 60 °C
Gripping force per gripper jaw at 6 bar, opening	39.2 N
Gripping force per gripper jaw at 6 bar, opening	19.6 N
Mass moment of inertia	0.062 kgcm ²
Maximum force on gripper jaw Fz, static	29 N
Maximum torque on gripper jaw, Mx static	0.13 Nm
Maximum torque on gripper jaw, My static	0.27 Nm
Maximum torque on gripper jaw, Mz static	0.13 Nm
Product weight	66 g
Type of mounting	Optionally: Direct mounting via through-hole Direct fastening via thread With through-hole and dowel pin With internal thread and dowel pin
Pneumatic connection	M3
Note on materials	RoHS-compliant
Housing material	Aluminum, anodized
Gripper jaw material	High-alloy stainless steel