Parallel gripper
DHPC-16-A-NC-S

Part number: 8116797





Data sheet

Feature	Value
Size	16
Stroke per gripper jaw	3 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	Lateral connection direction Lever Standard mounting type for gripper fingers Positively driven motion sequence
Guide	Ball guide
Position sensing	Via proximity switch
Operating pressure	0.25 MPa...0.8 MPa 2.5 bar...8 bar 36.25 psi...116 psi
Max. operating frequency of pneumatic gripper	3 Hz
Min. opening time at 6 bar	30 ms
Min. closing time at 6 bar	65 ms
Max. mass per external gripper finger	50 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

Feature	Value
Gripping force per gripper jaw at 6 bar, opening	101 N 50.5 N
Mass moment of inertia	0.146 kgcm²
Maximum force on gripper jaw Fz, static	84 N
Maximum torque on gripper jaw, Mx static	0.94 Nm
Maximum torque on gripper jaw, My static	0.71 Nm
Maximum torque on gripper jaw, Mz static	0.71 Nm
Product weight	111 g
Type of mounting	Alternatively: 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	Anodized aluminum
Gripper jaw material	high-alloy stainless steel