Parallel gripper
HGPD-20-A-G2

Part number: 1132941





Data sheet

Feature	Value
Size	20
Stroke per gripper jaw	4 mm
Max. interchangeability	0.2 mm
Max. gripper jaw angular play ax, ay	0.1 deg
Max. gripper jaw backlash Sz	0.02 mm
Rotational symmetry	0.2 mm
Pneumatic gripper repetition accuracy	0.04 mm
Number of gripper jaws	2
Actuator system	Pneumatic
Mounting position	Any
Mode of operation	Double-acting
Gripper function	Parallel
Gripping force backup	During closing
Structural design	Inclined plane Positively driven motion sequence
Position sensing	Via proximity switch
Operating pressure	4 bar...8 bar
Operating pressure for sealing air	0 bar...0.5 bar
Max. operating frequency of pneumatic gripper	3 Hz
Min. opening time at 6 bar	35 ms
Min. closing time at 6 bar	18 ms
Max. mass per external gripper finger	57 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)	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B2-L
Suitability for the production of Li-ion batteries	Metals with more than 5% by mass of copper are excluded from use. This excludes printed circuit boards, cables, electrical connectors and coils.
Degree of protection	IP65
Ambient temperature	5 °C...60 °C
Mass moment of inertia	0.52 kgcm²

Feature	Value
Maximum torque on gripper jaw, Mx static	12 Nm
Maximum torque on gripper jaw, My static	7 Nm
Maximum torque on gripper jaw, Mz static	6 Nm
Relubrication interval for guidance elements	5 MioCyc
Product weight	182 g
Type of mounting	Alternatively: With internal thread and centering sleeve Via through-hole and centering sleeve With through-hole and dowel pin With internal thread and dowel pin
Sealing air pneumatic connection	M3
Pneumatic connection	M5
Note on materials	RoHS compliant
Cover cap material	high-alloy stainless steel
Housing material	Anodized aluminum
Gripper jaw material	Hardened steel