Parallel gripper
HGPM-08-EO-G9

Part number: 197561





Data sheet

Feature	Value
Size	8
Stroke per gripper jaw	2 mm
Max. interchangeability	0.2 mm
Max. gripper jaw angular play ax, ay	0.5 deg
Max. gripper jaw backlash Sz	0.03 mm
Rotational symmetry	0.15 mm
Pneumatic gripper repetition accuracy	0.05 mm
Number of gripper jaws	2
Actuator system	Pneumatic
Mode of operation	Single-acting Open
Gripper function	Parallel
Gripping force backup	None
Structural design	Inclined plane
Position sensing	None
Operating pressure	4 bar...8 bar
Max. operating frequency of pneumatic gripper	4 Hz
Min. opening time at 6 bar	4.9 ms
Min. closing time at 6 bar	2.3 ms
Max. mass per external gripper finger	5 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)	1 - Low corrosion stress
LABS (PWIS) conformity	VDMA24364-B2-L
Ambient temperature	5 °C...60 °C
Gripping force per gripper jaw at 6 bar, opening	16 N
Gripping force per gripper jaw at 6 bar, closing	8 N
Mass moment of inertia	0.01712 kgcm²
Maximum force on gripper jaw Fz, static	10 N
Maximum torque on gripper jaw, Mx static	0.1 Nm
Maximum torque on gripper jaw, My static	0.1 Nm
Maximum torque on gripper jaw, Mz static	0.1 Nm

Feature	Value
Product weight	18 g
Type of mounting	With internal thread
Pneumatic connection	M3
Note on materials	RoHS compliant
Cover cap material	POM
Housing material	Wrought aluminum alloy, anodized
Gripper jaw material	High-alloy steel