Parallel gripper
HGPM-12-EO-G9

Part number: 197567





Data sheet

Feature	Value
Size	12
Stroke per gripper jaws	3 mm
Max. replacement accuracy	0.2 mm
Max. angular gripper jaw backlash ax, ay	0.5 deg
Max. gripper jaw backlash Sz	0.03 mm
Rotationally symmetrical	0.15 mm
Repetition accuracy, gripper	0.05 mm
Number of gripper jaws	2
Drive system	Pneumatic
Mode of operation	Single-acting Open
Gripper function	Parallel
Gripper force back-up	None
Design	Wedge-shaped drive
Position detection	Without
Operating pressure	4 bar...8 bar
Max. operating frequency of gripper	4 Hz
Min. opening time at 0.6 MPa (6 bar, 87 psi)	11 ms
Min. closing time at 0.6 MPa (6 bar, 87 psi)	3.7 ms
Max. mass per external gripper finger	15 g
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)
Corrosion resistance class CRC	1 - Low corrosion stress
LABS (PWIS) conformity	VDMA24364-B2-L
Ambient temperature	5 °C...60 °C
Total gripping force, opening, 0.6MPa (6bar, 87 psi)	27 N
Gripper force per gripper jaw, closing, 0.6 MPa (6 bar, 87 psi)	13.5 N
Mass moment of inertia	0.07939 kgcm²
Max. force on gripper jaw Fz static	30 N
Max. torque at gripper Mx static	0.5 Nm
Max. torque at gripper My static	0.5 Nm

Feature	Value
Max. torque at gripper Mz static	0.5 Nm
Product weight	62 g
Type of mounting	Via female thread
Pneumatic connection	M3
Note on materials	RoHS-compliant
Material cover cap	POM
Material housing	Anodised wrought aluminium alloy
Material gripper jaws	High-alloy steel