Parallel gripper
HGPM-12-EO-G8

Part number: 197566





Data sheet

Feature	Value
Size	12
Stroke per gripper jaw	3 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	11 ms
Min. closing time at 6 bar	3.7 ms
Max. mass per external gripper finger	15 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	27 N
Gripping force per gripper jaw at 6 bar, closing	13.5 N
Mass moment of inertia	0.04252 kgcm²
Maximum force on gripper jaw Fz, static	30 N
Maximum torque on gripper jaw, Mx static	0.5 Nm
Maximum torque on gripper jaw, My static	0.5 Nm
Maximum torque on gripper jaw, Mz static	0.5 Nm

Feature	Value
Product weight	41 g
Type of mounting	Clamped
Pneumatic connection	M3
Note on materials	RoHS compliant
Cover cap material	POM
Housing material	Wrought aluminum alloy, anodized
Gripper jaw material	High-alloy steel