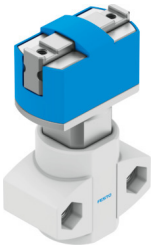
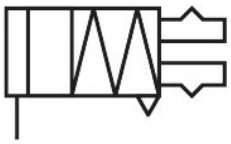
Parallel gripper
HGPM-12-EZ-G6

Part number: 197568





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
Repetition accuracy, gripper	0.05 mm
Number of gripper jaws	2
Drive system	Pneumatic
Mode of operation	Single-acting Closed
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)	3 ms
Min. closing time at 0.6 MPa (6 bar, 87 psi)	8.3 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
Spring force of stroke compensator	10 N...23 N
Total gripping force, closing, 0.6MPa (6bar, 87 psi)	35 N
Gripper force per gripper jaw, opening, 0.6 MPa (6 bar, 87 psi)	17.5 N
Mass moment of inertia	0.06674 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	With through-hole
Pneumatic connection	M3
Note on materials	RoHS-compliant
Material cover cap	POM
Material housing	Anodised wrought aluminium alloy
Material gripper jaws	High-alloy steel