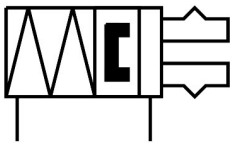
Parallel gripper
DHPS-20-A-NO

Part number: 1254047



General operating condition

Data sheet

Feature	Value
Size	20
Stroke per gripper jaws	6.5 mm
Max. replacement accuracy	≤0.2 mm
Max. angular gripper jaw backlash ax, ay	‹0.5 deg
Max. gripper jaw backlash Sz	‹0.02 mm
Rotationally symmetrical	≤0.2 mm
Repetition accuracy, gripper	‹0.02 mm
Number of gripper jaws	2
Drive system	Pneumatic
Mounting position	Any
Mode of operation	Double-acting
Gripper function	Parallel
Gripper force back-up	During opening
Design	Lever Force pilot operated motion sequence
Guide	Plain-bearing guide
Position detection	Via proximity switch
Symbol	00995947
Operating pressure	0.4 MPa ... 0.8 MPa
Operating pressure	4 bar ... 8 bar
Operating pressure	58 psi ... 116 psi
Max. operating frequency of gripper	3 Hz
Min. opening time at 0.6 MPa (6 bar, 87 psi)	58 ms
Min. closing time at 0.6 MPa (6 bar, 87 psi)	97 ms
Max. mass per external gripper finger	250 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
Suitability for the production of Li-ion batteries	Metals with more than 5% by mass of copper are excluded from use. Exceptions are printed circuit boards, cables, electrical connectors and coils.
Ambient temperature	5 °C ... 60 °C
Mass moment of inertia	1.521 kgcm²
Max. force on gripper jaw Fz static	250 N

Feature	Value
Max. torque at gripper Mx static	14 Nm
Max. torque at gripper My static	14 Nm
Max. torque at gripper Mz static	14 Nm
Lubrication interval for guide components	10 MioCyc
Product weight	387 g
Type of mounting	Either: Via female thread and centring sleeve Via through-hole and centring sleeve
Pneumatic connection	M5
Note on materials	RoHS compliant
Material cover cap	Process automation
Material housing	Hard anodised wrought aluminium alloy
Material gripper jaws	High-alloy stainless steel