Parallel gripper
DHPS-16-A-NC

Part number: 1254045

General operating condition

Data sheet

Feature	Value
Size	16
Stroke per gripper jaws	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 closing
Design	Lever Force pilot operated motion sequence
Guide	Plain-bearing guide
Position detection	Via proximity switch
Symbol	00991895
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)	48 ms
Min. closing time at 0.6 MPa (6 bar, 87 psi)	37 ms
Max. mass per external gripper finger	150 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	0.468 kgcm²
Max. force on gripper jaw Fz static	150 N

Feature	Value
Max. torque at gripper Mx static	8 Nm
Max. torque at gripper My static	8 Nm
Max. torque at gripper Mz static	8 Nm
Lubrication interval for guide components	10 MioCyc
Product weight	188 g
Type of mounting	Either: Via female thread and centring sleeve Via through-hole and centring sleeve
Pneumatic connection	M3
Note on materials	RoHS compliant
Material cover cap	Process automation
Material housing	Hard anodised wrought aluminium alloy
Material gripper jaws	High-alloy stainless steel