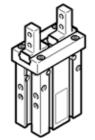
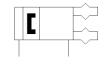
Parallel gripper DHPC-20-A-S-1 Part number: 8116818



Data sheet

Feature	Value
Size	20
Stroke per gripper jaw	5 mm
Max. replacement accuracy	0.2 mm
Max. angular gripper jaw backlash ax,ay	0 deg
Max. gripper jaw backlash Sz	0 mm
Rotationally symmetrical	<= 0.2 mm
Repetition accuracy, gripper	<= 0.02 mm
Number of gripper fingers	2
Drive system	pneumatic
Assembly position	Any
Mode of operation	double-acting
Gripper function	Parallel
Gripper force back-up	No
Design structure	Connection direction at side
	Lever
	Sideways mounting of gripper fingers
	guided motion sequence
Guide	Ball guide
Position detection	For proximity sensor
Variants	Recommended for production facilities for the manufacture of lithium-
	ion batteries
Total gripping force at 0.6 MPa (6 bar, 87 psi), opening	192.6 N
Total gripping force at 0.6 MPa (6 bar, 87 psi), closing	159.5 N
Operating pressure MPa	0.1 0.8 MPa
Working pressure	1 8 bar
Operating pressure	14.5 116 psi
Max. operating frequency of gripper	3 Hz
Min. opening time at 0.6 MPa (6 bar, 87 psi)	62 ms
Min. closing time at 0.6 MPa (6 bar, 87 psi)	40 ms
Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (subsequently required for further operation)
Corrosion resistance classification CRC	0 - No corrosion stress
PWIS conformity	VDMA24364-B2-L
RSBP classification to CD-0033	F1a
Ambient temperature	-10 60 °C
Gripping force per gripper jaw at 0.6 MPa (6 bar, 87 psi) opening	96.3 N
Gripping force per gripper jaw at 0.6 MPa (6 bar, 87 psi) closing	79.8 N
Mass moment of inertia	0.515 kgcm2
Max. force on gripper jaw Fz static	73.5 N
Max. torque at gripper Mx static	0.66 Nm
Max. torque at gripper My static	1.33 Nm
Max. torque at gripper Mz static	0.66 Nm
Product weight	224 g
Mounting type	Direct mounting via through-holes
	Direct mounting via threads





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Feature	Value	
	On mounting frame	
	With through-hole and dowel pin	
	With internal thread and dowel pin	
	Optional	
Pneumatic connection	M5	
Materials note	Conforms to RoHS	
Material housing	Anodised aluminium	
Material gripper jaws	High alloy steel, non-corrosive	