Parallel gripper DHPC-20-A-NC-Z-1 Part number: 8116833







Data sheet

Size 20 Stroke per gripper jaws 5 mm Max. replacement accuracy 0.2 mm Max. angular gripper jaw backlash ax, ay 0 deg Max. gripper jaw backlash Sz 0 mm Repetition accuracy, gripper 0.02 mm Number of gripper jaws 2 Drive system Pneumatic Mounting position optional Mode of operation Single-acting Closed Gripper function Parallel Gripper force back-up During closing Design Connection via moulever Side mounting met force pilot operated Guide Ball guide Position detection Via proximity switch Total gripping force, opening, 0.6MPa (6bar, 87 psi) 170.9 N Operating pressure 0.25 MPa0.8 MPa	unting spigot
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Total gripping force, opening, 0.6MPa (6bar, 87 psi) 170.9 N	
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Operating pressure 0.25 MPa0.8 MPa	
2.5 bar8 bar 36.25 psi116 psi	
Max. operating frequency of gripper 3 Hz	
Min. opening time at 0.6 MPa (6 bar, 87 psi)	
Min. closing time at 0.6 MPa (6 bar, 87 psi) 38 ms	
Operating medium Compressed air to I	SO 8573-1:2010 [7:4:4]
Note on operating and pilot medium Lubricated operation always be required)	n possible (in which case lubricated operation will
Corrosion resistance class CRC 0 - No corrosion str	ess
LABS (PWIS) conformity VDMA24364-B2-L	
Ambient temperature -10 °C60 °C	

Feature	Value
Gripper force per gripper jaw, opening, 0.6 MPa (6 bar, 87 psi)	85.5 N
Mass moment of inertia	0.574 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	270 g
Type of mounting	Either: Direct mounting via through-hole Direct mounting via thread On mounting frame Via through-hole and dowel pin Via female thread and dowel pin
Pneumatic connection	M5
Note on materials	RoHS-compliant
Material housing	Anodised aluminium
Material gripper jaws	High-alloy stainless steel