Parallel gripper DHPS-10-A

Part number: 1254040



General operating condition

Data sheet

Size 10 Stroke per gripper jaw 3 mm Max. interchangeability 40.2 mm Max. gripper jaw agular play ax, ay 60.5 deg Max. gripper jaw backlash 52 60.02 mm Rotational symmetry 60.2 mm Rotational symmetry 60.2 mm Number of gripper repetition accuracy 60.02 mm Number of gripper jaws 2 Mounting position Any Mode of operation Double acting Structural design Dever Position position Parallel Structural design For proximity sensor Symbol 009991894 Operating pressure 0.2 MPa 0.8 MPa Operating pressure 2 bar 8 bar Operating frequency of pneumatic gripper 4 Hz Min. doesing fine at 6 bar 28 ms Max. mass per external gripper finger 60 g Operating metium Compressed air as per ISO 8573-1:2010[7:4:4] Information on operating and pilot media Operation stress LABS (PWIS) conformity VDMA24364-B2-L Suitability for the production of Li-ion batteries Ketals with more than 5% by mass of copper are excluded from use. Kar, Graping force per gripper jaw at 6 bar, cosing 30 N Albein ttemperature 5 °		
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Pneumatic gripper repetition accuracy 0.0.2 mm Number of gripper jaws 2 Mounting position Any Mode of operation Double-acting Gripper function Parallel Structural design Lever Positively driven motion sequence Sliding guide Positively driven motion sequence Sliding guide Positively driven motion sequence Operating pressure Operating pressure 0.2 MPa 0.8 MPa Operating pressure 2 bar 8 bar Operating pressure 2 bar 8 bar Operating frequency of pneumatic gripper 4 Hz Min. opening time at 6 bar 21 ms Max. mass per external gripper finger 60 g Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation with oil lubrication possible (required for further use) Corrosion resistance class (CRC) 1 - Low corrosion stress LABS (PWIS) conformity VDMA24364-82-L Suitability for the production of Li-ion batteries Metals with more than 5% by mass of copper are excluded from use. Exception are printed circuit boards, cables, electrical connectors and coils Gripping force pe	Max. gripper jaw backlash Sz	<0.02 mm
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Max. operating frequency of pneumatic gripper4 HzMin. opening time at 6 bar21 msMin. closing time at 6 bar28 msMax. mass per external gripper finger60 gOperating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]Information on operating and pilot mediaOperation with oil lubrication possible (required for further use)Corrosion resistance class (CRC)1 - Low corrosion stressLABS (PWIS) conformityVDMA24364-B2-LSuitability for the production of Li-ion batteriesMetals with more than 5% by mass of copper are excluded from use. Exception are printed circuit boards, cables, electrical connectors and coilsAmbient temperature5 °C 60 °CGripping force per gripper jaw at 6 bar, closing30 NGripping force per gripper jaw at 6 bar, opening39 NGripping force per gripper jaw at 6 bar, closing34.5 N	Operating pressure	2 bar 8 bar
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Max. mass per external gripper finger60 gOperating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]Information on operating and pilot mediaOperation with oil lubrication possible (required for further use)Corrosion resistance class (CRC)1 - Low corrosion stressLABS (PWIS) conformityVDMA24364-B2-LSuitability for the production of Li-ion batteriesMetals with more than 5% by mass of copper are excluded from use. Exception are printed circuit boards, cables, electrical connectors and coilsAmbient temperature5 °C 60 °CGripping force per gripper jaw at 6 bar, opening80 NGripping force per gripper jaw at 6 bar, opening39 NGripping force per gripper jaw at 6 bar, closing34.5 N	Min. opening time at 6 bar	21 ms
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Information on operating and pilot mediaOperation with oil lubrication possible (required for further use)Corrosion resistance class (CRC)1 - Low corrosion stressLABS (PWIS) conformityVDMA24364-B2-LSuitability for the production of Li-ion batteriesMetals with more than 5% by mass of copper are excluded from use. Exception are printed circuit boards, cables, electrical connectors and coilsAmbient temperature5 °C 60 °CGripping force per gripper jaw at 6 bar, opening80 NGripping force per gripper jaw at 6 bar, opening39 NGripping force per gripper jaw at 6 bar, closing34.5 N	Max. mass per external gripper finger	60 g
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Gripping force per gripper jaw at 6 bar, opening80 NGripping force per gripper jaw at 6 bar, closing70 NGripping force per gripper jaw at 6 bar, opening39 NGripping force per gripper jaw at 6 bar, closing34.5 N	Suitability for the production of Li-ion batteries	Exception are printed circuit boards, cables, electrical connectors and
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Gripping force per gripper jaw at 6 bar, opening39 NGripping force per gripper jaw at 6 bar, closing34.5 N	Gripping force per gripper jaw at 6 bar, opening	80 N
Gripping force per gripper jaw at 6 bar, closing 34.5 N	Gripping force per gripper jaw at 6 bar, closing	70 N
	Gripping force per gripper jaw at 6 bar, opening	39 N
Mass moment of inertia 0.079 kgcm ²	Gripping force per gripper jaw at 6 bar, closing	34.5 N
	Mass moment of inertia	0.079 kgcm ²

Feature	Value
Maximum force on gripper jaw Fz, static	60 N
Maximum torque on gripper jaw, Mx static	3 Nm
Maximum torque on gripper jaw, My static	3 Nm
Maximum torque on gripper jaw, Mz static	3 Nm
Relubrication interval for guidance elements	10 МіоСус
Product weight	67 g
Type of mounting	Optionally: With internal thread and centering sleeve Via through-hole and centering sleeve
Pneumatic connection	M3
Note on materials	RoHS-compliant
Cover cap material	PA
Housing material	Wrought aluminum alloy, hard-anodized
Gripper jaw material	High-alloy stainless steel