Parallel gripper DHPC-32-A-NC-S-2 Part number: 8116892







Data sheet

Stroke per gripper jaw Max. interchangeability 0.2 mm Max. gripper jaw angular play ax, ay 0 deg Max. gripper jaw backlash Sz 0 mm Rotational symmetry O.2 mm Mumber of gripper repetition accuracy Mumber of gripper jaws 2 Actuator system Pneumatic gripper function Mode of operation Single-acting Closed Sripper function Parallel During closing Connection direction at side Flat mounting type for gripper fingers Lever Positively driven motion sequence Suide Ball guide Position sensing For proximity sensor Propraimity sensor O.25 MPa0.8 MPa 2.5 bar8 bar 36.25 psi116 psi Max. operating frequency of pneumatic gripper I Hz Min. opening time at 6 bar Operating medium Compressed air as per ISO 8573-1;2010 [7:4:4] Operating medium Compression seriess Operation resistance class (CRC) O No corrosion stress ODMA24364-82-L	Feature	Value
Max. Interchangeability Max. gripper jaw angular play ax, ay O deg Max. gripper jaw backlash 5z O mm Oz mg is	Size	32
Max. gripper jaw angular play ax, ay Max. gripper jaw backlash 5z O mm Octotational symmetry Oneumatic gripper repetition accuracy Oneumatic gripper repetition accuracy Outline of gripper jaws 2 Actuator system Mounting position Mode of operation Single-acting Closed Sripper function Parallel Sripping force backup During closing Connection direction at side Flat mounting type for gripper fingers Lever Positively driven motion sequence Suide Ball guide Position sensing For proximity sensor Sripping force per gripper jaw at 6 bar, opening Deparating pressure O 2.5 MPaO.8 MPa 2.5 bar8 bar 3.6.25 psi116 psi Max. operating frequency of pneumatic gripper 1 Hz Min. closing time at 6 bar Min. closing time at 6 bar Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Operating resistance class (CRC) O No corrosion stress VDMA24364-B2-L	Stroke per gripper jaw	11 mm
Aux. gripper jaw backlash 52 Rotational symmetry	Max. interchangeability	0.2 mm
Returnatic gripper repetition accuracy Ouz mm Outmother of gripper jaws Any Outmothing position Any Outmothing position Outhouting position Outmothing position Outhouting position Parallel Outhouting Closed Outhouting Closed Connection direction at side Flat mounting type for gripper fingers Lever Positively driven motion sequence Ball guide Outhouting force per gripper jaw at 6 bar, opening Outhouting pressure Outhouting type for gripper jaw at 6 bar, opening Outhouting type for gripper jaw at 6 bar, opening Outhouting type for gripper jaw at 6 bar, opening Outhouting pressure Outhouting frequency of pneumatic gripper I Hz Outhouting frequency of pneumatic gripper I Hz Outhouting time at 6 bar Outhouting time at 6	Max. gripper jaw angular play ax, ay	0 deg
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Actuator system Mounting position Any Mode of operation Single-acting Closed Farallel Gripper function Gripping force backup During closing Connection direction at side Flat mounting type for gripper fingers Lever Positively driven motion sequence Ball guide Position sensing For proximity sensor Gripping force per gripper jaw at 6 bar, opening Actuators pressure Departing pressure O.25 MPa0.8 MPa 2.5 bar8 bar 36.25 psi116 psi Max. operating frequency of pneumatic gripper I Hz Min. opening time at 6 bar Joenating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation resistance class (CRC) O - No corrosion stress VDMA24364-B2-L	Pneumatic gripper repetition accuracy	0.02 mm
Mounting position Mode of operation Single-acting Closed Parallel Gripper function British for backup During closing Connection direction at side Flat mounting type for gripper fingers Lever Positively driven motion sequence Ball guide Position sensing For proximity sensor Ball guide Position sensing For proximity sensor For proximity sensor Departing pressure Departing pressure Departing frequency of pneumatic gripper 1 Hz Min. opening time at 6 bar Departing medium Compressed air as per ISO 8573-1:2010 [7:4:4] Departing registance class (CRC) O No corrosion resistance class (CRC) O No corrosion stress VDMA24364-B2-L	Number of gripper jaws	2
Single-acting Closed During closing Connection direction at side Flat mounting type for gripper fingers Lever Positively driven motion sequence Suide Ball guide Position sensing For proximity sensor Single acting Closed Connection direction at side Flat mounting type for gripper fingers Lever Positively driven motion sequence Ball guide Position sensing For proximity sensor 465.9 N 233 N 233 N 233 N 20 Perating pressure 0.25 MPa0.8 MPa 2.5 bar8 bar 36.25 psi116 psi Max. operating frequency of pneumatic gripper 1 Hz Min. opening time at 6 bar 162 ms Min. closing time at 6 bar 55 ms 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) 0 · No corrosion stress VDMA24364-B2-L	Actuator system	Pneumatic
Closed Gripper function Parallel Gripping force backup During closing Connection direction at side Flat mounting type for gripper fingers Lever Positively driven motion sequence Ball guide Position sensing For proximity sensor Gripping force per gripper jaw at 6 bar, opening Deparating pressure Deparating pressure Departing frequency of pneumatic gripper Departing time at 6 bar Departing time at 6 bar Deparating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Departion resistance class (CRC) Departing value of pneumatic gripper Departing medium Compressed air as per ISO 8573-1:2010 [7:4:4] Departing resistance class (CRC) Departing value of pneumatic gripper Departing medium Compressed air as per ISO 8573-1:2010 [7:4:4] Departing medium Departing medium Departing medium Departing medium VDMA24364-B2-L	Mounting position	Any
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Connection direction at side Flat mounting type for gripper fingers Lever Positively driven motion sequence Ball guide Position sensing For proximity sensor Gripping force per gripper jaw at 6 bar, opening Operating pressure Operating frequency of pneumatic gripper Alax. operating frequency of pneumatic gripper I Hz Min. closing time at 6 bar Min. closing time at 6 bar Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Compression resistance class (CRC) O - No corrosion stress ABS (PWIS) conformity VDMA24364-B2-L	Gripper function	Parallel
Flat mounting type for gripper fingers Lever Positively driven motion sequence Ball guide Position sensing For proximity sensor Gripping force per gripper jaw at 6 bar, opening Operating pressure Operating pressure Operating frequency of pneumatic gripper Max. operating frequency of pneumatic gripper I Hz Min. opening time at 6 bar I62 ms Min. closing time at 6 bar Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Operating medium Operating and pilot media Operation with oil lubrication possible (required for further use) Operation resistance class (CRC) O - No corrosion stress ABS (PWIS) conformity VDMA24364-B2-L	Gripping force backup	During closing
Position sensing For proximity sensor Gripping force per gripper jaw at 6 bar, opening 465.9 N 233 N Operating pressure 0.25 MPa0.8 MPa 2.5 bar8 bar 36.25 psi116 psi Max. operating frequency of pneumatic gripper 1 Hz Min. opening time at 6 bar 162 ms Min. closing time at 6 bar 55 ms 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) 0 - No corrosion stress ABS (PWIS) conformity VDMA24364-B2-L	Structural design	Flat mounting type for gripper fingers Lever
Action of the per gripper jaw at 6 bar, opening 233 N Deparating pressure 0.25 MPa0.8 MPa 2.5 bar8 bar 36.25 psi116 psi Max. operating frequency of pneumatic gripper 1 Hz Min. opening time at 6 bar 162 ms Min. closing time at 6 bar 55 ms Deparating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Deparating median Operation with oil lubrication possible (required for further use) Corrosion resistance class (CRC) O - No corrosion stress VDMA24364-B2-L	Guide	Ball guide
233 N Operating pressure O.25 MPa0.8 MPa 2.5 bar8 bar 36.25 psi116 psi Max. operating frequency of pneumatic gripper 1 Hz Min. opening time at 6 bar 162 ms Min. closing time at 6 bar 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) Orrosion resistance class (CRC) O - No corrosion stress VDMA24364-B2-L	Position sensing	For proximity sensor
2.5 bar8 bar 36.25 psi116 psi Max. operating frequency of pneumatic gripper 1 Hz Min. opening time at 6 bar 162 ms Min. closing time at 6 bar 55 ms 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) 0 - No corrosion stress ABS (PWIS) conformity VDMA24364-B2-L	Gripping force per gripper jaw at 6 bar, opening	
Min. opening time at 6 bar 162 ms Min. closing time at 6 bar 55 ms Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Corrosion resistance class (CRC) O- No corrosion stress ABS (PWIS) conformity VDMA24364-B2-L	Operating pressure	2.5 bar8 bar
Min. closing time at 6 bar Departing 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) Orrosion resistance class (CRC) O - No corrosion stress VDMA24364-B2-L	Max. operating frequency of pneumatic gripper	1 Hz
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) O - No corrosion stress VDMA24364-B2-L	Min. opening time at 6 bar	162 ms
nformation on operating and pilot media Operation with oil lubrication possible (required for further use) O- No corrosion stress ABS (PWIS) conformity VDMA24364-B2-L	Min. closing time at 6 bar	55 ms
Corrosion resistance class (CRC) O - No corrosion stress VDMA24364-B2-L	Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
ABS (PWIS) conformity VDMA24364-B2-L	Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
· · · · · ·	Corrosion resistance class (CRC)	0 - No corrosion stress
Ambient temperature -10 °C60 °C	LABS (PWIS) conformity	VDMA24364-B2-L
	Ambient temperature	-10 °C60 °C

Feature	Value
Mass moment of inertia	5.73 kgcm ²
Maximum force on gripper jaw Fz, static	171.5 N
Maximum torque on gripper jaw, Mx static	1.5 Nm
Maximum torque on gripper jaw, My static	3 Nm
Maximum torque on gripper jaw, Mz static	1.5 Nm
Product weight	826 g
Type of mounting	Optionally: Direct mounting via through-hole Direct fastening via thread On mounting frame With through-hole and dowel pin With internal thread and dowel pin
Pneumatic connection	M5
Note on materials	RoHS-compliant
Housing material	Aluminum, anodized
Gripper jaw material	High-alloy stainless steel