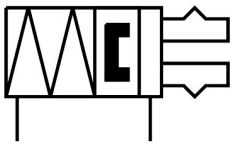
Three-point gripper
DHDS-50-A-NC

Part number: 1259496





General operating condition

Data sheet

Feature	Value
Size	50
Stroke per gripper jaw	6 mm
Max. interchangeability	≤0.2 mm
Max. gripper jaw angular play ax, ay	≤0.2 deg
Max. gripper jaw backlash Sz	≤0.02 mm
Rotational symmetry	≤0.2 mm
Pneumatic gripper repetition accuracy	≤0.04 mm
Number of gripper jaws	3
Mounting position	Any
Mode of operation	Double-acting
Gripper function	3-point
Gripping force backup	During closing
Structural design	Positively driven motion sequence
Position sensing	For proximity sensor
Symbol	00995947
Operating pressure	4 bar ... 8 bar
Max. operating frequency of pneumatic gripper	≤4 Hz
Min. opening time at 6 bar	73 ms
Min. closing time at 6 bar	50 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)	1 - Low corrosion stress
LABS (PWIS) conformity	VDMA24364-B2-L
Suitability for the production of Li-ion batteries	Metals with more than 1% by mass of copper are excluded from use. Circuit boards, Lines, electrical push-in connectors and Coils Metals with more than 1% copper as an alloy component are excluded from use. Exceptions are printed circuit boards, cables, el
Ambient temperature	5 °C ... 60 °C
Mass moment of inertia	6.18 kgcm²
Maximum force on gripper jaw Fz, static	250 N
Maximum torque on gripper jaw, Mx static	24 Nm
Maximum torque on gripper jaw, My static	24 Nm
Maximum torque on gripper jaw, Mz static	24 Nm
Relubrication interval for guidance elements	10 MioCyc
Max. mass per external gripper finger	250 g
Product weight	932 g

Feature	Value
Type of mounting	With internal thread and dowel pin
Pneumatic connection	G1/8
Note on materials	RoHS-compliant
Cover cap material	PA
Housing material	Wrought aluminum alloy, hard-anodized
Gripper jaw material	High-alloy stainless steel