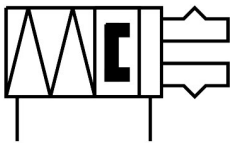
Three-point gripper
DHDS-16-A-NC

Part number: 1259492





Data sheet

Feature	Value
Size	16
Stroke per gripper jaw	2.5 mm
Max. interchangeability	0.2 mm
Max. gripper jaw angular play ax, ay	0.5 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	Lever Positively driven motion sequence
Position sensing	For Hall sensor
Operating pressure	4 bar...8 bar
Max. operating frequency of pneumatic gripper	4 Hz
Min. opening time at 6 bar	31 ms
Min. closing time at 6 bar	34 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 5% by mass of copper are excluded from use. This excludes printed circuit boards, cables, electrical connectors and coils.
Ambient temperature	5 °C...60 °C
Mass moment of inertia	0.139 kgcm²
Maximum force on gripper jaw Fz, static	50 N
Maximum torque on gripper jaw, Mx static	2 Nm
Maximum torque on gripper jaw, My static	2 Nm
Maximum torque on gripper jaw, Mz static	2 Nm

Feature	Value
Relubrication interval for guidance elements	10 MioCyc
Max. mass per external gripper finger	50 g
Product weight	99 g
Type of mounting	With internal thread and dowel pin
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