

Three-point gripper DHDS-32-A-NC

Part number: 1259494

FESTO



 [General operating condition](#)

Data sheet

Feature	Value
Size	32
Stroke per gripper jaws	3.9 mm
Max. replacement accuracy	≤0.2 mm
Max. angular gripper jaw backlash ax, ay	≤0.2 deg
Max. gripper jaw backlash Sz	≤0.02 mm
Rotationally symmetrical	≤0.2 mm
Repetition accuracy, gripper	≤0.04 mm
Number of gripper jaws	3
Mounting position	optional
Mode of operation	Double-acting
Gripper function	3-point
Gripper force back-up	During closing
Design	Lever Force pilot operated motion sequence
Position detection	Via proximity switch
Symbol	00995947
Operating pressure	4 bar ... 8 bar
Max. operating frequency of gripper	≤4 Hz
Min. opening time at 0.6 MPa (6 bar, 87 psi)	55 ms
Min. closing time at 0.6 MPa (6 bar, 87 psi)	47 ms
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)
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. Exceptions are printed circuit boards, cables, electrical connectors and coils.
Ambient temperature	5 °C ... 60 °C
Mass moment of inertia	0.82 kgcm ²
Max. force on gripper jaw Fz static	150 N
Max. torque at gripper Mx static	9 Nm
Max. torque at gripper My static	9 Nm
Max. torque at gripper Mz static	9 Nm
Lubrication interval for guide components	10 MioCyc
Max. mass per external gripper finger	150 g

Feature	Value
Product weight	281 g
Type of mounting	Via female thread and dowel pin
Pneumatic connection	M5
Note on materials	RoHS-compliant
Material cover cap	PA
Material housing	Hard anodised wrought aluminium alloy
Material gripper jaws	High-alloy stainless steel