Radial gripper
DHRS-16-A-NC

Part number: 1310161





General operating condition

Data sheet

Feature	Value
Size	16
Max. interchangeability	≤0.2 mm
Max. opening angle	180 deg
Rotational symmetry	≤0.2 mm
Pneumatic gripper repetition accuracy	≤0.1 mm
Number of gripper jaws	2
Mounting position	Any
Mode of operation	Double-acting
Gripper function	Radial
Gripping force backup	During closing
Structural design	Positively driven motion sequence
Position sensing	For proximity sensor
Symbol	00991895
Operating pressure	4 bar ... 8 bar
Max. operating frequency of pneumatic gripper	≤4 Hz
Min. opening time at 6 bar	75 ms
Min. closing time at 6 bar	43 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	0.15 kgcm²
Maximum force on gripper jaw Fz, static	40 N
Maximum torque on gripper jaw, Mx static	1.3 Nm
Maximum torque on gripper jaw, My static	1.3 Nm
Maximum torque on gripper jaw, Mz static	1.3 Nm
Product weight	118 g
Type of mounting	Via through-hole and centering sleeve
Pneumatic connection	M3
Note on materials	RoHS-compliant
Cover cap material	PA

Feature	Value
Housing material	Wrought aluminum alloy, hard-anodized
Gripper jaw material	High-alloy steel