

Radial gripper DHR5-16-A-NC

Part number: 1310161

FESTO



Data sheet

Feature	Value
Size	16
Max. replacement accuracy	0.2 mm
Max. opening angle	180 deg
Rotationally symmetrical	0.2 mm
Repetition accuracy, gripper	0.1 mm
Number of gripper jaws	2
Mounting position	optional
Mode of operation	Double-acting
Gripper function	Radial
Gripper force back-up	During closing
Design	Force pilot operated motion sequence
Position detection	Via proximity switch
Operating pressure	4 bar...8 bar
Max. operating frequency of gripper	4 Hz
Min. opening time at 0.6 MPa (6 bar, 87 psi)	75 ms
Min. closing time at 0.6 MPa (6 bar, 87 psi)	43 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 1% by mass of copper are excluded from use. Exceptions are printed circuit boards, cables, electrical plug connectors and coils Metals with more than 1% of copper as an alloy component are excluded from use. Exceptions are printed circuit boards, cables, electrical connectors and coils Metals with more than 5% by mass of copper are excluded from use. Exceptions are printed circuit boards, cables, electrical plug connectors and coils
Ambient temperature	5 °C...60 °C
Mass moment of inertia	0.15 kgcm ²
Max. force on gripper jaw Fz static	40 N
Max. torque at gripper Mx static	1.3 Nm
Max. torque at gripper My static	1.3 Nm

Feature	Value
Max. torque at gripper Mz static	1.3 Nm
Product weight	118 g
Type of mounting	Either: Via female thread and centring sleeve Via through-hole and centring sleeve
Pneumatic connection	M3
Note on materials	RoHS-compliant
Material cover cap	PA
Material housing	Hard anodised wrought aluminium alloy
Material gripper jaws	High-alloy steel