

Parallel gripper DHPC-...-16-A-

Part number: 8116730

FESTO



Data sheet

Feature	Value
Size	16
Stroke per gripper jaw	3 mm...6 mm
Max. interchangeability	0.2 mm
Max. gripper jaw angular play ax, ay	0 deg
Max. gripper jaw backlash Sz	0 mm
Rotational symmetry	0.2 mm
Pneumatic gripper repetition accuracy	0.02 mm
Number of gripper jaws	2
Actuator system	Pneumatic
Mounting position	Any
Mode of operation	Double-acting Single-acting Closed Open
Gripper function	Parallel
Gripping force backup	None
Structural design	Connection via mounting spigot Lateral connection direction Connection direction underneath Flat mounting type for gripper fingers Lever Side mounting type for gripper fingers Standard mounting type for gripper fingers Positively driven motion sequence
Guide	Ball guide
Position sensing	Via proximity switch
Variants	Metals with copper, zinc or nickel by mass as main constituent are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils.
Operating pressure	0.1 MPa...0.8 MPa 1 bar...8 bar 14.5 psi...116 psi
Max. operating frequency of pneumatic gripper	3 Hz
Min. opening time at 6 bar	15 ms...60 ms
Min. closing time at 6 bar	15 ms...60 ms

Feature	Value
Max. mass per external gripper finger	50 g
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)	0 - No corrosion stress
LABS (PWIS) conformity	VDMA24364-B2-L
Suitability for the production of Li-ion batteries	Suitable for battery production with reduced Cu/Zn/Ni values (F1a)
Ambient temperature	-10 °C...60 °C
Gripping force per gripper jaw at 6 bar, opening	101 N...125.4 N 50.5 N...62.7 N
Gripping force per gripper jaw at 6 bar, closing	86.8 N...107.8 N 43.4 N...53.9 N
Mass moment of inertia	0.146 kgcm ² ...0.263 kgcm ²
Maximum force on gripper jaw Fz, static	84 N
Maximum torque on gripper jaw, Mx static	0.94 Nm
Maximum torque on gripper jaw, My static	0.71 Nm
Maximum torque on gripper jaw, Mz static	0.71 Nm
Product weight	110 g...154 g
Type of mounting	Alternatively: Direct mounting via through-hole Direct fastening via thread On mounting frame With through-hole and dowel pin With internal thread and dowel pin
Pneumatic connection	M3 M5
Note on materials	RoHS compliant
Housing material	Anodized aluminum
Gripper jaw material	high-alloy stainless steel