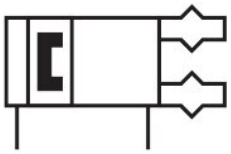
Parallel gripper
DHPS-35-A

Part number: 1254052





General operating condition

Data sheet

Feature	Value
Size	35
Stroke per gripper jaw	12.5 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	‹0.02 mm
Number of gripper jaws	2
Actuator system	Pneumatic
Mounting position	Any
Mode of operation	Double-acting
Gripper function	Parallel
Gripping force backup	Without
Structural design	Positively driven motion sequence
Guide	Sliding guide
Position sensing	For proximity sensor
Symbol	00991894
Operating pressure	0.2 MPa ... 0.8 MPa
Operating pressure	2 bar ... 8 bar
Operating pressure	29 psi ... 116 psi
Max. operating frequency of pneumatic gripper	2 Hz
Min. opening time at 6 bar	95 ms
Min. closing time at 6 bar	123 ms
Max. mass per external gripper finger	450 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)	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
Gripping force per gripper jaw at 6 bar, opening	970 N
Gripping force per gripper jaw at 6 bar, closing	910 N
Gripping force per gripper jaw at 6 bar, opening	483 N

Feature	Value
Gripping force per gripper jaw at 6 bar, closing	450 N
Mass moment of inertia	12.7 kgcm²
Maximum force on gripper jaw Fz, static	450 N
Maximum torque on gripper jaw, Mx static	50 Nm
Maximum torque on gripper jaw, My static	50 Nm
Maximum torque on gripper jaw, Mz static	50 Nm
Relubrication interval for guidance elements	10 MioCyc
Product weight	1285 g
Type of mounting	Via through-hole and centering sleeve
Pneumatic connection	G1/8
Note on materials	RoHS-compliant
Cover cap material	PA
Housing material	Wrought aluminum alloy, hard-anodized
Gripper jaw material	High-alloy stainless steel