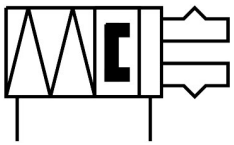
# Parallel gripper
# DHPS-25-A-NO

Part number: 1254050





## Data sheet

| Feature | Value |
|---|---|
| Size | 25 |
| Stroke per gripper jaw | 7.5 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 | On opening |
| Structural design | Lever<br>Positively driven motion sequence |
| Guide | Plain-bearing guide |
| Position sensing | Via proximity switch |
| Operating pressure | 0.4 MPa...0.8 MPa<br>4 bar...8 bar<br>58 psi...116 psi |
| Max. operating frequency of pneumatic gripper | 2 Hz |
| Min. opening time at 6 bar | 45 ms |
| Min. closing time at 6 bar | 78 ms |
| Max. mass per external gripper finger | 350 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 5% by mass of copper are excluded from use. This excludes printed circuit boards, cables, electrical connectors and coils. |
| Ambient temperature | 5 °C...60 °C |
| Mass moment of inertia | 3.92 kgcm² |

| Feature | Value |
|---|---|
| Maximum force on gripper jaw Fz, static | 350 N |
| Maximum torque on gripper jaw, Mx static | 30 Nm |
| Maximum torque on gripper jaw, My static | 30 Nm |
| Maximum torque on gripper jaw, Mz static | 30 Nm |
| Relubrication interval for guidance elements | 10 MioCyc |
| Product weight | 713 g |
| Type of mounting | Alternatively:<br>With internal thread and centering sleeve<br>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 |