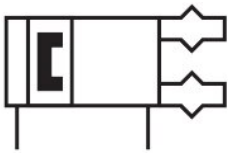
# Three-point gripper
# DHDS-16-A

Part number: 1259491





## Data sheet

| Feature | Value |
|---|---|
| Size | 16 |
| Stroke per gripper jaw | 2.5 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 | 0.04 mm |
| Number of gripper jaws | 3 |
| Mounting position | Any |
| Mode of operation | Double-acting |
| Gripper function | 3-point |
| Structural design | Lever<br>Positively driven motion sequence |
| Position sensing | For Hall sensor |
| Gripping force per gripper jaw at 6 bar, opening | 120 N<br>40 N |
| Gripping force per gripper jaw at 6 bar, closing | 87 N<br>29 N |
| Operating pressure | 2 bar...8 bar |
| Max. operating frequency of pneumatic gripper | 4 Hz |
| Min. opening time at 6 bar | 26 ms |
| Min. closing time at 6 bar | 42 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 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 | 0.136 kgcm² |
| Maximum force on gripper jaw Fz, static | 50 N |
| Maximum torque on gripper jaw, Mx static | 2 Nm |

| Feature | Value |
|---|---|
| Maximum torque on gripper jaw, My static | 2 Nm |
| Maximum torque on gripper jaw, Mz static | 2 Nm |
| Relubrication interval for guidance elements | 10 MioCyc |
| Max. mass per external gripper finger | 50 g |
| Product weight | 96 g |
| Type of mounting | With internal thread and dowel pin |
| Pneumatic connection | M3 |
| Note on materials | RoHS compliant |
| Cover cap material | PA |
| Housing material | Wrought aluminum alloy, hard-anodized |
| Gripper jaw material | high-alloy stainless steel |