

Parallel gripper DHPC-10-A-NC-Z-1

Part number: 8116769

FESTO



Data sheet

| Feature | Value |
|--|--|
| Size | 10 |
| Operating pressure | 50.75 psi ... 116 psi |
| Operating pressure | 0.35 MPa ... 0.8 MPa |
| Stroke per gripper jaw | 2 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 |
| Type code | DHPC |
| Number of gripper jaws | 2 |
| Mounting position | Any |
| Mode of operation | Single-acting Closed |
| Gripper function | Parallel |
| Design | Connection via mounting spigot Lever Side mounting type for gripper fingers Positively driven motion sequence |
| Guide | Ball guide |
| Position sensing | For proximity sensor |
| Symbol | 00997348 |
| Total gripping force at 6 bar, opening | 39.2 N |
| Operating pressure | 3.5 bar ... 8 bar |
| Max. operating frequency of pneumatic gripper | 3 Hz |
| Min. opening time at 6 bar | 12 ms |
| Min. closing time at 6 bar | 26 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) | 0 - No corrosion stress |
| Ambient temperature | -10 °C ... 60 °C |
| Gripping force per gripper jaw at 6 bar, opening | 19.6 N |
| Mass moment of inertia | 0.049 kgcm ² |
| Maximum force on gripper jaw Fz, static | 29 N |
| Maximum torque on gripper jaw, Mx static | 0.13 Nm |
| Maximum torque on gripper jaw, My static | 0.27 Nm |
| Maximum torque on gripper jaw, Mz static | 0.13 Nm |

| Feature | Value |
|---------------------------------------|--|
| Max. mass per external gripper finger | 120 g |
| Product weight | 66 g |
| Type of mounting | Optionally: 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 | M5 |
| Note on materials | Free of copper and PTFE RoHS-compliant |
| Housing material | Aluminum, anodized |
| Gripper jaw material | High-alloy stainless steel |