

Parallel gripper DHPC-...-10-A-

Part number: 8116729

FESTO



Data sheet

| Feature | Value |
|---|--|
| Size | 10 |
| Stroke per gripper jaw | 2 mm...4 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 | Without |
| Structural design | Connection via mounting spigot Connection direction at side Connection direction downwards 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 | For proximity sensor |
| 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 | 0.2 MPa...0.8 MPa 2 bar...8 bar 29 psi...116 psi |
| Max. operating frequency of pneumatic gripper | 3 Hz |
| Min. opening time at 6 bar | 13 ms...31 ms |
| Min. closing time at 6 bar | 15 ms...31 ms |

| Feature | Value |
|--|---|
| 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 | Product corresponds to Festo's internal product definition for use in battery production: Metals with more than 1% by mass of copper, zinc or nickel are excluded from use. The exceptions are nickel in steel, chemically nickel-plated surfaces, circuit boards, cables, electrical plug connectors and coils |
| Ambient temperature | -10 °C...60 °C |
| Gripping force per gripper jaw at 6 bar, opening | 39.2 N...51.2 N 19.6 N...25.6 N |
| Gripping force per gripper jaw at 6 bar, closing | 32.8 N...43 N 16.4 N...21.5 N |
| Mass moment of inertia | 0.04 kgcm ² ...0.069 kgcm ² |
| Maximum force on gripper jaw F _z , static | 33 N |
| Maximum torque on gripper jaw, M _x static | 0.18 Nm |
| Maximum torque on gripper jaw, M _y static | 0.28 Nm |
| Maximum torque on gripper jaw, M _z static | 0.28 Nm |
| Product weight | 49 g...74 g |
| Type of mounting | Direct mounting via through-hole Direct fastening via thread On mounting frame With through-hole and dowel pin With internal thread and dowel pin Optionally: |
| Pneumatic connection | M3 M5 |
| Note on materials | RoHS-compliant |
| Housing material | Aluminum, anodized |
| Gripper jaw material | High-alloy stainless steel |