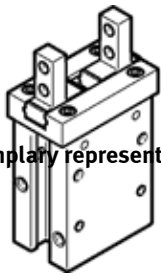


parallel gripper DHPC-...-10-A-

Part number: 8116729

FESTO



Exemplary representation

Data sheet

Overall data sheet – Individual values depend upon your configuration.

| Feature | Value |
|---|--|
| Size | 10 |
| Stroke per gripper jaw | 2 ... 4 mm |
| Max. replacement accuracy | 0.2 mm |
| Max. angular gripper jaw backlash ax,ay | 0 deg |
| Max. gripper jaw backlash Sz | 0 mm |
| Rotationally symmetrical | ≤ 0.2 mm |
| Repetition accuracy, gripper | ≤ 0.02 mm |
| Number of gripper fingers | 2 |
| Drive system | pneumatic |
| Assembly position | Any |
| Mode of operation | double-acting single-acting open closed |
| Gripper function | Parallel |
| Gripper force back-up | No |
| Design structure | Connection via mounting spigot Connection direction on the side Connection direction underneath Flat mounting of gripper fingers Lever Sideways mounting of gripper fingers Standard mounting of gripper fingers guided motion sequence |
| Guide | Ball guide |
| Position detection | For proximity sensor |
| Variants | Recommended for production facilities for the manufacture of lithium-ion batteries |
| Total gripping force at 0.6 MPa (6 bar, 87 psi), opening | 39.2 ... 51.2 N |
| Total gripping force at 0.6 MPa (6 bar, 87 psi), closing | 32.8 ... 43 N |
| Operating pressure MPa | 0.2 ... 0.8 MPa |
| Operating pressure | 2 ... 8 bar 29 ... 116 psi |
| Max. operating frequency of gripper | 3 Hz |
| Min. opening time at 0.6 MPa (6 bar, 87 psi) | 13 ... 31 ms |
| Min. closing time at 0.6 MPa (6 bar, 87 psi) | 15 ... 31 ms |
| Operating medium | Compressed air in accordance with ISO8573-1:2010 [7:4:4] |
| Note on operating and pilot medium | Lubricated operation possible (subsequently required for further operation) |
| Corrosion resistance classification CRC | 0 - No corrosion stress |
| PWIS conformity | VDMA24364-B2-L |
| RSBP classification to CD-0033 | F1a |
| Ambient temperature | -10 ... 60 °C |
| Gripping force per gripper jaw at 0.6 MPa (6 bar, 87 psi) opening | 19.6 ... 25.6 N |

| Feature | Value |
|---|--|
| Gripping force per gripper jaw at 0.6 MPa (6 bar, 87 psi) closing | 16.4 ... 21.5 N |
| Mass moment of inertia | 0.04 ... 0.069 kgcm ² |
| Max. force on gripper jaw Fz static | 29 N |
| Max. torque at gripper Mx static | 0.13 Nm |
| Max. torque at gripper My static | 0.27 Nm |
| Max. torque at gripper Mz static | 0.13 Nm |
| Product weight | 49 ... 74 g |
| Mounting type | Direct mounting via through-holes Direct mounting via threads On mounting frame With through-hole and dowel pin With internal thread and dowel pin Optional |
| Pneumatic connection | M3 M5 |
| Materials note | Conforms to RoHS |
| Material housing | Anodised aluminium |
| Material gripper jaws | High alloy steel, non-corrosive |