

# Parallel gripper DHPC-6-A-S-2

Part number: 8116737

**FESTO**



## Data sheet

| Feature  | Value  |
|--|--|
| Size   | 6  |
| Operating pressure                               | 21.75 psi ... 116 psi  |
| Operating pressure                               | 0.15 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                                | Double-acting  |
| Gripper function                                 | Parallel   |
| Design   | Connection direction at side<br>Flat mounting type for gripper fingers<br>Lever<br>Positively driven motion sequence |
| Guide  | Ball guide   |
| Position sensing                                 | For proximity sensor   |
| Symbol   | 00991894   |
| Total gripping force at 6 bar, opening           | 14.6 N   |
| Total gripping force at 6 bar, closing           | 11 N   |
| Operating pressure                               | 1.5 bar ... 8 bar  |
| Max. operating frequency of pneumatic gripper    | 3 Hz   |
| Min. opening time at 6 bar                       | 9 ms   |
| Min. closing time at 6 bar                       | 11 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 | 7.3 N  |
| Gripping force per gripper jaw at 6 bar, closing | 5.5 N  |
| Mass moment of inertia                           | 0.011 kgcm <sup>2</sup>  |
| Maximum force on gripper jaw Fz, static          | 5 N  |
| Maximum torque on gripper jaw, Mx static         | 0.02 Nm  |

| Feature                                  | Value  |
|--|--|
| Maximum torque on gripper jaw, My static | 0.04 Nm  |
| Maximum torque on gripper jaw, Mz static | 0.02 Nm  |
| Max. mass per external gripper finger    | 18 g   |
| Product weight                           | 25 g   |
| Type of mounting                         | Optionally:<br>Direct mounting via through-hole<br>Direct fastening via thread |
| Pneumatic connection                     | M3   |
| Note on materials                        | Free of copper and PTFE<br>RoHS-compliant                                      |
| Housing material                         | Aluminum, anodized   |
| Gripper jaw material                     | High-alloy stainless steel   |