

# Angle gripper DHWC-10-A

Part number: 8125481

FESTO



[PDF](#) General operating condition

## Data sheet

| Feature   | Value  |
|---|--|
| Size  | 10   |
| Max. interchangeability                                   | ≤0.2 mm  |
| Max. opening angle  | 30 deg   |
| Rotational symmetry                                       | ≤0.2 mm  |
| Pneumatic gripper repetition accuracy                     | ≤0.1 mm  |
| Number of gripper jaws                                    | 2  |
| Actuator system   | Pneumatic  |
| Mounting position   | Any  |
| Mode of operation   | Double-acting  |
| Gripper function  | Angle  |
| Gripping force backup                                     | Without  |
| Structural design   | Connection direction at side<br>Positively driven motion sequence  |
| Position sensing  | For proximity sensor   |
| Symbol  | 00991894   |
| Operating pressure  | 0.1 MPa ... 0.8 MPa  |
| Operating pressure  | 1 bar ... 8 bar  |
| Operating pressure  | 14.5 psi ... 116 psi   |
| Max. operating frequency of pneumatic gripper             | ≤3 Hz  |
| Min. opening time at 6 bar                                | 8 ms   |
| Min. closing time at 6 bar                                | 8 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  |
| LABS (PWIS) conformity                                    | VDMA24364-B2-L   |
| Suitability for the production of Li-ion batteries        | Suitable for battery production with reduced Cu/Zn/Ni values (F1a) |
| Ambient temperature                                       | -10 °C ... 60 °C   |
| Total gripping torque at 0.6 MPa (6 bar, 87 psi), opening | 25.1 Ncm   |
| Total gripping torque at 6 bar, closing                   | 20.6 Ncm   |
| Mass moment of inertia                                    | 0.035 kgcm <sup>2</sup>  |
| Maximum force on gripper jaw Fz, static                   | 40 N   |
| Maximum torque on gripper jaw, Mx static                  | 0.4 Nm   |
| Maximum torque on gripper jaw, My static                  | 0.5 Nm   |
| Maximum torque on gripper jaw, Mz static                  | 0.5 Nm   |
| Product weight  | 48 g   |

| Feature              | Value   |
|----------------------|---|
| Type of mounting     | Optionally:<br>Direct mounting via through-hole<br>Direct fastening via thread<br>With through-hole and dowel pin<br>With internal thread and dowel pin |
| Pneumatic connection | M3  |
| Note on materials    | RoHS-compliant  |
| Cover cap material   | Wrought aluminum alloy, anodized  |
| Housing material     | Wrought aluminum alloy, anodized  |
| Gripper jaw material | High-alloy steel  |