

Angle gripper DHWC-25-A

Part number: 8128136

FESTO



[PDF](#) General operating condition

Data sheet

| Feature | Value |
|---|--|
| Size | 25 |
| 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 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 | ≤2 Hz |
| Min. opening time at 6 bar | 38 ms |
| Min. closing time at 6 bar | 50 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 |
| Ambient temperature | -10 °C ... 60 °C |
| Total gripping torque at 0.6 MPa (6 bar, 87 psi), opening | 322.6 Ncm |
| Total gripping torque at 6 bar, closing | 265.1 Ncm |
| Mass moment of inertia | 1.083 kgcm ² |
| Maximum force on gripper jaw Fz, static | 140 N |
| Maximum torque on gripper jaw, Mx static | 2.2 Nm |
| Maximum torque on gripper jaw, My static | 2.2 Nm |
| Maximum torque on gripper jaw, Mz static | 2.2 Nm |
| Product weight | 362 g |

| Feature | Value |
|----------------------|---|
| Type of mounting | Optionally: Direct mounting via through-hole Direct fastening via thread With through-hole and dowel pin With internal thread and dowel pin |
| Pneumatic connection | M5 |
| Note on materials | RoHS-compliant |
| Cover cap material | Wrought aluminum alloy, anodized |
| Housing material | Wrought aluminum alloy, anodized |
| Gripper jaw material | High-alloy steel |