


Angle gripper DHWC-20-A-S-NO

Part number: 8128702

FESTO



 General operating condition

Data sheet

| Feature | Value |
|--|--|
| Size | 20 |
| Max. replacement accuracy | ≤0.2 mm |
| Max. opening angle | 30 deg |
| Rotationally symmetrical | ≤0.2 mm |
| Repetition accuracy, gripper | ≤0.1 mm |
| Number of gripper jaws | 2 |
| Drive system | Pneumatic |
| Mounting position | optional |
| Mode of operation | Single-acting Open |
| Gripper function | Angle |
| Gripper force back-up | During opening |
| Design | Force pilot operated motion sequence |
| Position detection | Via proximity switch |
| Symbol | 00997349 |
| Operating pressure | 0.15 MPa ... 0.8 MPa |
| Operating pressure | 1.5 bar ... 8 bar |
| Operating pressure | 21.75 psi ... 116 psi |
| Max. operating frequency of gripper | ≤2 Hz |
| Min. opening time at 0.6 MPa (6 bar, 87 psi) | 13 ms |
| Min. closing time at 0.6 MPa (6 bar, 87 psi) | 10 ms |
| Operating medium | Compressed air to ISO 8573-1:2010 [7:4:4] |
| Note on operating and pilot medium | Lubricated operation possible (in which case lubricated operation will always be required) |
| Corrosion resistance class CRC | 0 - No corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B2-L |
| Ambient temperature | -10 °C ... 60 °C |
| Total gripper torque, closing, 0.6 MPa (6 bar, 87 psi) | 120.9 Ncm |
| Mass moment of inertia | 0.255 kgcm ² |
| Max. force on gripper jaw Fz static | 100 N |
| Max. torque at gripper Mx static | 1.5 Nm |
| Max. torque at gripper My static | 2.2 Nm |
| Max. torque at gripper Mz static | 2.2 Nm |
| Product weight | 190.5 g |

| Feature | Value |
|-----------------------|--|
| Type of mounting | Either: Direct mounting via through-hole Direct mounting via thread Via through-hole and dowel pin Via female thread and dowel pin |
| Pneumatic connection | M5 |
| Note on materials | RoHS-compliant |
| Material cover cap | Wrought aluminium alloy, anodised |
| Material housing | Anodised wrought aluminium alloy |
| Material gripper jaws | High-alloy steel |