

# Angle gripper HGWM-08-EZ-G8

Part number: 185698

FESTO



 General operating condition

## Data sheet

| Feature                                                   | Value                                     |
|-----------------------------------------------------------|-------------------------------------------|
| Size                                                      | 8                                         |
| Max. angular gripper jaw backlash ax, ay                  | 0.5 deg                                   |
| Max. gripper jaw backlash Sz                              | 0.03 mm                                   |
| Max. opening angle                                        | 14 deg                                    |
| Repetition accuracy, gripper                              | ≤0.02 mm                                  |
| Number of gripper jaws                                    | 2                                         |
| Drive system                                              | Pneumatic                                 |
| Mode of operation                                         | Single-acting<br>Closed                   |
| Gripper function                                          | Angle                                     |
| Gripper force back-up                                     | None                                      |
| Design                                                    | Wedge-shaped drive                        |
| Position detection                                        | Without                                   |
| Symbol                                                    | 00991898                                  |
| Operating pressure                                        | 2 bar ... 8 bar                           |
| Max. operating frequency of gripper                       | 4 Hz                                      |
| Min. opening time at 0.6 MPa (6 bar, 87 psi)              | 1 ms                                      |
| Min. closing time at 0.6 MPa (6 bar, 87 psi)              | 2.5 ms                                    |
| Operating medium                                          | Compressed air to ISO 8573-1:2010 [7:-:-] |
| Corrosion resistance class CRC                            | 2 - Moderate corrosion stress             |
| LABS (PWIS) conformity                                    | VDMA24364-B2-L                            |
| Ambient temperature                                       | 5 °C ... 60 °C                            |
| Spring return moment                                      | 0.005 Nm                                  |
| Total gripping torque at 0.6 MPa (6 bar, 87 psi), opening | 24 Ncm                                    |
| Mass moment of inertia                                    | 25.2 kgcm <sup>2</sup>                    |
| Mass moment of inertia per external gripper finger        | 250 kgcm <sup>2</sup>                     |
| Max. force on gripper jaw Fz static                       | 7 N                                       |
| Max. torque at gripper Mx static                          | 0.2 Nm                                    |
| Max. torque at gripper My static                          | 0.2 Nm                                    |
| Max. torque at gripper Mz static                          | 0.2 Nm                                    |
| Max. mass per external gripper finger                     | 400 g                                     |
| Product weight                                            | 13 g                                      |
| Type of mounting                                          | Clamped                                   |
| Pneumatic connection                                      | M3                                        |
| Note on materials                                         | RoHS-compliant                            |

| Feature               | Value                      |
|-----------------------|----------------------------|
| Material cover cap    | POM                        |
| Material housing      | High-alloy stainless steel |
| Material gripper jaws | High-alloy steel           |