

# Angle gripper DHWC-25-A-S-NO

Part number: 8133477

FESTO



## Data sheet

| Feature  | Value  |
|--|--|
| Size   | 25   |
| 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<br>Open  |
| Gripper function                                       | Angle  |
| Gripper force back-up                                  | During opening   |
| Design   | Connection direction at side<br>Force pilot operated motion sequence                       |
| Position detection                                     | Via proximity switch   |
| Operating pressure                                     | 0.15 MPa...0.8 MPa<br>1.5 bar...8 bar<br>21.75 psi...116 psi                               |
| Max. operating frequency of gripper                    | 2 Hz   |
| Min. opening time at 0.6 MPa (6 bar, 87 psi)           | 51 ms  |
| Min. closing time at 0.6 MPa (6 bar, 87 psi)           | 15 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) | 233.9 Ncm  |
| Mass moment of inertia                                 | 1.087 kgcm <sup>2</sup>  |
| Max. force on gripper jaw Fz static                    | 140 N  |
| Max. torque at gripper Mx static                       | 2.2 Nm   |
| Max. torque at gripper My static                       | 2.2 Nm   |
| Max. torque at gripper Mz static                       | 2.2 Nm   |

| <b>Feature</b>        | <b>Value</b>   |
|-----------------------|--|
| Product weight        | 363.5 g  |
| Type of mounting      | Either:<br>Direct mounting via through-hole<br>Direct mounting via thread<br>Via through-hole and dowel pin<br>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   |