

# Angled gripper DHWS-25-A-NC

Part number: 1310181

FESTO



## Data sheet

| Feature                                            | Value                                                                                                                                            |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| Size                                               | 25                                                                                                                                               |
| Max. interchangeability                            | 0.2 mm                                                                                                                                           |
| Max. opening angle                                 | 40 deg                                                                                                                                           |
| Rotational symmetry                                | 0.2 mm                                                                                                                                           |
| Pneumatic gripper repetition accuracy              | 0.04 mm                                                                                                                                          |
| Number of gripper jaws                             | 2                                                                                                                                                |
| Mounting position                                  | Any                                                                                                                                              |
| Mode of operation                                  | Double-acting                                                                                                                                    |
| Gripper function                                   | Bracket                                                                                                                                          |
| Gripping force backup                              | During closing                                                                                                                                   |
| Structural design                                  | Lever                                                                                                                                            |
| Position sensing                                   | Via proximity switch                                                                                                                             |
| Operating pressure                                 | 4 bar...8 bar                                                                                                                                    |
| Max. operating frequency of pneumatic gripper      | 3 Hz                                                                                                                                             |
| Min. opening time at 6 bar                         | 106 ms                                                                                                                                           |
| Min. closing time at 6 bar                         | 59 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)                   | 1 - Low corrosion stress                                                                                                                         |
| LABS (PWIS) conformity                             | VDMA24364-B2-L                                                                                                                                   |
| Suitability for the production of Li-ion batteries | Metals with more than 5% by mass of copper are excluded from use. This excludes printed circuit boards, cables, electrical connectors and coils. |
| Ambient temperature                                | 5 °C...60 °C                                                                                                                                     |
| Mass moment of inertia                             | 0.64 kgcm <sup>2</sup>                                                                                                                           |
| Maximum force on gripper jaw Fz, static            | 90 N                                                                                                                                             |
| Maximum torque on gripper jaw, Mx static           | 3.6 Nm                                                                                                                                           |
| Maximum torque on gripper jaw, My static           | 3.6 Nm                                                                                                                                           |
| Maximum torque on gripper jaw, Mz static           | 3.6 Nm                                                                                                                                           |
| Product weight                                     | 265 g                                                                                                                                            |
| Type of mounting                                   | Alternatively:<br>With internal thread and centering sleeve                                                                                      |

| Feature              | Value                                   |
|----------------------|-----------------------------------------|
|                      | Via through-hole and centering sleeve   |
| Pneumatic connection | M5                                      |
| Note on materials    | RoHS compliant                          |
| Cover cap material   | PA                                      |
| Housing material     | Wrought aluminum alloy<br>Hard-anodized |
| Gripper jaw material | High-alloy steel                        |