


# Parallel gripper DHPS-35-A-NO

Part number: 1254053

FESTO



 [General operating condition](#)

## Data sheet

| Feature  | Value   |
|--|---|
| Size   | 35  |
| Stroke per gripper jaws                            | 12.5 mm   |
| Max. replacement accuracy                          | ≤0.2 mm   |
| Max. angular gripper jaw backlash ax, ay           | <0.5 deg  |
| Max. gripper jaw backlash Sz                       | <0.02 mm  |
| Rotationally symmetrical                           | ≤0.2 mm   |
| Repetition accuracy, gripper                       | <0.02 mm  |
| Number of gripper jaws                             | 2   |
| Drive system                                       | Pneumatic   |
| Mounting position                                  | Any   |
| Mode of operation                                  | Double-acting   |
| Gripper function                                   | Parallel  |
| Gripper force back-up                              | During opening  |
| Design   | Lever<br>Force pilot operated motion sequence   |
| Guide  | Plain-bearing guide   |
| Position detection                                 | Via proximity switch  |
| Symbol   | 00995947  |
| Operating pressure                                 | 0.4 MPa ... 0.8 MPa   |
| Operating pressure                                 | 4 bar ... 8 bar   |
| Operating pressure                                 | 58 psi ... 116 psi  |
| Max. operating frequency of gripper                | 2 Hz  |
| Min. opening time at 0.6 MPa (6 bar, 87 psi)       | 88 ms   |
| Min. closing time at 0.6 MPa (6 bar, 87 psi)       | 151 ms  |
| Max. mass per external gripper finger              | 450 g   |
| 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                     | 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. Exceptions are printed circuit boards, cables, electrical connectors and coils. |
| Ambient temperature                                | 5 °C ... 60 °C  |
| Mass moment of inertia                             | 12.832 kgcm <sup>2</sup>  |
| Max. force on gripper jaw Fz static                | 450 N   |

| <b>Feature</b>                            | <b>Value</b>   |
|---|--|
| Max. torque at gripper Mx static          | 50 Nm  |
| Max. torque at gripper My static          | 50 Nm  |
| Max. torque at gripper Mz static          | 50 Nm  |
| Lubrication interval for guide components | 10 MioCyc  |
| Product weight                            | 1345 g   |
| Type of mounting                          | Either:<br>Via female thread and centring sleeve<br>Via through-hole and centring sleeve |
| Pneumatic connection                      | G1/8   |
| Note on materials                         | RoHS compliant   |
| Material cover cap                        | Process automation   |
| Material housing                          | Hard anodised wrought aluminium alloy  |
| Material gripper jaws                     | High-alloy stainless steel   |