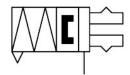
## Radial gripper DHRC-25-A-S-NO

Part number: 8133557







## **Data sheet**

General operating condition

| Feature  | Value  |
|--|--|
| Size   | 25   |
| Max. interchangeability                            | ≤0.2 mm  |
| Max. opening angle                                 | 180 deg  |
| Rotational symmetry                                | ≤0.2 mm  |
| Pneumatic gripper repetition accuracy              | ≤0.1 mm  |
| Number of gripper jaws                             | 2  |
| Actuator system                                    | Pneumatic  |
| Mounting position                                  | Any  |
| Mode of operation                                  | Single-acting<br>Open  |
| Gripper function                                   | Radial   |
| Gripping force backup                              | On opening   |
| Structural design                                  | Positively driven motion sequence                                  |
| Position sensing                                   | For proximity sensor   |
| 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 pneumatic gripper      | ≤2 Hz  |
| Min. opening time at 6 bar                         | 147 ms   |
| Min. closing time at 6 bar                         | 45 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)                   | 0 - No corrosion stress  |
| LABS (PWIS) conformity                             | VDMA24364-B2-L   |
| Suitability for the production of Li-ion batteries | Suitable for battery production with reduced Cu/Zn/Ni values (F1a) |
| Ambient temperature                                | -10 °C 60 °C   |
| Total gripping torque at 6 bar, closing            | 239.5 Ncm  |
| Mass moment of inertia                             | 1.316 kgcm²  |
| Maximum force on gripper jaw Fz, static            | 140 N  |
| Maximum torque on gripper jaw, Mx static           | 7 Nm   |
| Maximum torque on gripper jaw, My static           | 4 Nm   |
| Maximum torque on gripper jaw, Mz static           | 7 Nm   |
| Product weight                                     | 440 g  |
| Type of mounting                                   | With through-hole and dowel pin With internal thread and dowel pin |

| Feature              | Value                            |
|----------------------|----------------------------------|
| Pneumatic connection | M5                               |
| Note on materials    | RoHS-compliant                   |
| Cover cap material   | Wrought aluminum alloy, anodized |
| Housing material     | Wrought aluminum alloy, anodized |
| Gripper jaw material | High-alloy steel                 |