

Radial gripper DHRC-6-A

Part number: 8125285

FESTO



Data sheet

| Feature | Value |
|-----------------------------------------------------------|--------------------------------------------------------------------------------------------|
| Size | 6 |
| Max. replacement accuracy | 0.2 mm |
| Max. opening angle | 180 deg |
| Repetition accuracy, gripper | 0.1 mm |
| Number of gripper jaws | 2 |
| Drive system | Pneumatic |
| Mounting position | optional |
| Mode of operation | Double-acting |
| Gripper function | Radial |
| Gripper force back-up | None |
| Design | Connection direction at side Force pilot operated motion sequence |
| Position detection | Via proximity switch |
| Operating pressure | 0.25 MPa...0.8 MPa 2.5 bar...8 bar 36.25 psi...116 psi |
| Max. operating frequency of gripper | 3 Hz |
| Min. opening time at 0.6 MPa (6 bar, 87 psi) | 10 ms |
| Min. closing time at 0.6 MPa (6 bar, 87 psi) | 19 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 gripping torque at 0.6 MPa (6 bar, 87 psi), opening | 6.7 Ncm |
| Total gripper torque, closing, 0.6 MPa (6 bar, 87 psi) | 4.8 Ncm |
| Mass moment of inertia | 0.01 kgcm ² |
| Max. force on gripper jaw Fz static | 12 N |
| Max. torque at gripper Mx static | 0.3 Nm |
| Max. torque at gripper My static | 0.3 Nm |
| Max. torque at gripper Mz static | 0.3 Nm |

| Feature | Value |
|-----------------------|---------------------------------------------------------------------------|
| Product weight | 24.5 g |
| Type of mounting | Direct mounting via through-hole Direct mounting via thread Either: |
| Pneumatic connection | M3 |
| Note on materials | RoHS-compliant |
| Material cover cap | Wrought aluminium alloy, anodised |
| Material housing | Anodised wrought aluminium alloy |
| Material gripper jaws | High-alloy steel |