

# Bellow gripper DHEB-41-E-U-S-L

Part number: 1320806

FESTO



 General operating condition

## Data sheet

| Feature                                      | Value                                                                                      |
|----------------------------------------------|--------------------------------------------------------------------------------------------|
| Size                                         | 41                                                                                         |
| Stroke of bellows                            | 15.5 mm                                                                                    |
| Min. ø to be gripped                         | 42 mm                                                                                      |
| Max. ø to be gripped                         | 54 mm                                                                                      |
| Mounting position                            | optional                                                                                   |
| Mode of operation                            | Single-acting<br>Closed                                                                    |
| Gripper function                             | Adaptive                                                                                   |
| Design                                       | Contracting diaphragm<br>Force pilot operated motion sequence                              |
| Guide                                        | Basic guide                                                                                |
| Position detection                           | Via proximity switch                                                                       |
| Operating pressure                           | 4 bar ... 8 bar                                                                            |
| Reset pressure                               | <1 bar                                                                                     |
| Max. operating frequency of gripper          | ≤4 Hz                                                                                      |
| Min. opening time at 0.6 MPa (6 bar, 87 psi) | 30 ms                                                                                      |
| Min. closing time at 0.6 MPa (6 bar, 87 psi) | 70 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               | 2 - Moderate corrosion stress                                                              |
| LABS (PWIS) conformity                       | VDMA24364 zone III                                                                         |
| Suitable for use with food                   | See supplementary material information                                                     |
| Ambient temperature                          | 5 °C ... 60 °C                                                                             |
| Average replacement interval for the bellows | 1 MioCyc                                                                                   |
| Guide value for effective load               | 1.2 kg                                                                                     |
| Product weight                               | 300 g                                                                                      |
| Type of mounting                             | Either:<br>Via male thread<br>Via lock nut                                                 |
| Pneumatic connection                         | G1/8                                                                                       |
| Note on materials                            | RoHS-compliant                                                                             |
| Material bellows                             | VMQ (silicone)                                                                             |
| Material housing                             | Aluminium<br>Anodised                                                                      |