

# Pneumatic valve VOFD-L100T-

Part number: 2964753

**FESTO**



## Data sheet

| Feature                                           | Value                                                              |
|---------------------------------------------------|--------------------------------------------------------------------|
| Valve function                                    | 3/2-way, closed, monostable                                        |
| Actuation type                                    | Electrical                                                         |
| Width                                             | 51 mm                                                              |
| Normal nominal flow rate (normalized to DIN 1343) | 1900 l/min                                                         |
| Pneumatic working port                            | Flange 1/2<br>G1/2<br>1/2 NPT<br>NAMUR connection pattern          |
| Operating pressure                                | 0 MPa...1.2 MPa<br>0 bar...12 bar<br>0 psi...174 psi               |
| Structural design                                 | Directly actuated poppet valve                                     |
| Reset method                                      | Mechanical spring                                                  |
| Degree of protection                              | IP65                                                               |
| Nominal width                                     | 10 mm                                                              |
| Sealing principle                                 | Soft                                                               |
| Mounting position                                 | Any                                                                |
| Manual override                                   | None<br>Non-detenting                                              |
| Type of control                                   | directly                                                           |
| Flow direction                                    | Reversible                                                         |
| Suitability for vacuum                            | Yes                                                                |
| b-value                                           | 0.22                                                               |
| C value                                           | 7.6 l/sbar                                                         |
| Flow rate for piston valve pressurization         | 1.68 m³/h                                                          |
| Flow rate for piston valve exhausting             | 1.68 m³/h                                                          |
| Standard nominal flow rate 2-3                    | 1888 l/min                                                         |
| Switching time off                                | 60 ms                                                              |
| On switching time                                 | 40 ms                                                              |
| Explosion prevention and protection               | Zone 1 (ATEX)<br>Zone 2 (ATEX)<br>Zone 21 (ATEX)<br>Zone 22 (ATEX) |
| Operating medium                                  | Compressed air as per ISO 8573-1:2010 [7:2:2]                      |

| Feature                          | Value                                  |
|----------------------------------|----------------------------------------|
| Corrosion resistance class (CRC) | 4 - Particularly high corrosion stress |
| LABS (PWIS) conformity           | VDMA24364 Zone III                     |
| Temperature of medium            | -25 °C...60 °C                         |
| Ambient temperature              | -25 °C...60 °C                         |
| Product weight                   | 950 g                                  |
| Note on materials                | RoHS compliant                         |
| Seals material                   | NBR                                    |
| Housing material                 | Aluminum, ematal coated                |