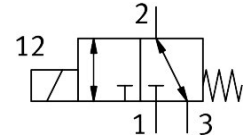


# Valve

## VOFD-L50T-M32-MN-G14-10-R16-F10

Part number: 8201899

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) | 493 l/min                                                          |
| Pneumatic working port                            | G1/4                                                               |
| Operating pressure                                | 0 MPa...1 MPa<br>0 bar...10 bar<br>0 psi...145 psi                 |
| Structural design                                 | Directly actuated poppet valve                                     |
| Reset method                                      | Mechanical spring                                                  |
| Degree of protection                              | IP65                                                               |
| Certificate issuing authority                     | TÜV 968/V 1251.02/24                                               |
| Nominal width                                     | 5 mm                                                               |
| Sealing principle                                 | Soft                                                               |
| Mounting position                                 | Any                                                                |
| Manual override                                   | None                                                               |
| Type of control                                   | directly                                                           |
| Flow direction                                    | Reversible                                                         |
| Safety function                                   | Safe exhausting                                                    |
| Safety integrity level (SIL)                      | Up to SIL 3 high demand mode<br>Up to SIL 3 low demand mode        |
| Suitability for vacuum                            | Yes                                                                |
| b-value                                           | 0.25                                                               |
| C value                                           | 2 l/sbar                                                           |
| Flow rate for piston valve pressurization         | 0.36 m³/h                                                          |
| Flow rate for piston valve exhausting             | 0.36 m³/h                                                          |
| Standard nominal flow rate 2-3                    | 429 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) |

| Feature                          | Value                                         |
|----------------------------------|-----------------------------------------------|
| Operating medium                 | Compressed air as per ISO 8573-1:2010 [7:2:2] |
| Extended ambient temperature     | -25 - 60 °C<br>Low Demand mode                |
| Corrosion resistance class (CRC) | 1 - Low corrosion stress                      |
| LABS (PWIS) conformity           | VDMA24364 Zone III                            |
| Temperature of medium            | -25 °C...60 °C                                |
| Ambient temperature              | -25 °C...60 °C                                |
| Product weight                   | 750 g                                         |
| Pneumatic connection 1           | G1/4                                          |
| Pneumatic connection 2           | G1/4                                          |
| Pneumatic connection 3           | G1/4                                          |
| Note on materials                | RoHS compliant                                |
| Seals material                   | NBR                                           |
| Housing material                 | Brass                                         |