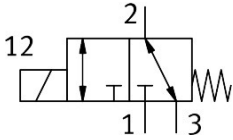
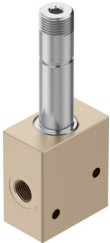


# Valve

## VOFD-L50T-M32-MN-N14-10-F10

Part number: 4514998

FESTO



### Data sheet

| Feature                                               | Value                                                              |
|-------------------------------------------------------|--------------------------------------------------------------------|
| Valve function                                        | 3/2-way, closed, monostable                                        |
| Type of actuation                                     | Electric                                                           |
| Construction width                                    | 51 mm                                                              |
| Standard nominal flow rate (standardised to DIN 1343) | 493 l/min                                                          |
| pneumatic working port                                | 1/4 NPT                                                            |
| Operating pressure                                    | 0 MPa...1 MPa<br>0 bar...10 bar<br>0 psi...145 psi                 |
| Design                                                | Directly actuated poppet valve                                     |
| Type of reset                                         | Mechanical spring                                                  |
| Degree of protection                                  | IP65                                                               |
| Certificate issuing authority                         | TÜV 968/V 1251.02/24                                               |
| Nominal size                                          | 5 mm                                                               |
| Sealing principle                                     | Soft                                                               |
| Mounting position                                     | optional                                                           |
| Manual override                                       | None                                                               |
| Type of piloting                                      | Direct                                                             |
| Flow direction                                        | Reversible                                                         |
| Safety function                                       | Safe venting                                                       |
| Safety Integrity Level (SIL)                          | Up to SIL 3 High Demand mode<br>To SIL 3 Low Demand mode           |
| Suitability for vacuum                                | yes                                                                |
| b value                                               | 0.25                                                               |
| C value                                               | 2 l/sbar                                                           |
| Flow rate Kv pressurisation                           | 0.36 m³/h                                                          |
| Flow rate Kv exhaust                                  | 0.36 m³/h                                                          |
| Standard nominal flow rate 2-3                        | 429 l/min                                                          |
| Switching time off                                    | 60 ms                                                              |
| Switching time on                                     | 40 ms                                                              |
| Explosion protection                                  | Zone 1 (ATEX)<br>Zone 2 (ATEX)<br>Zone 21 (ATEX)<br>Zone 22 (ATEX) |

| Feature                        | Value                                     |
|--------------------------------|-------------------------------------------|
| Operating medium               | Compressed air to ISO 8573-1:2010 [7:2:2] |
| Extended ambient temperature   | -25 ... 60° C<br>Low demand mode          |
| Corrosion resistance class CRC | 4 - Very high corrosion stress            |
| LABS (PWIS) conformity         | VDMA24364 zone III                        |
| Media temperature              | -25 °C...60 °C                            |
| Ambient temperature            | -25 °C...60 °C                            |
| Product weight                 | 560 g                                     |
| Pneumatic connection, port 1   | 1/4 NPT                                   |
| Pneumatic connection, port 2   | 1/4 NPT                                   |
| Pneumatic connection, port 3   | 1/4 NPT                                   |
| Note on materials              | RoHS-compliant                            |
| Material seals                 | NBR                                       |
| Material housing               | Ematal coated aluminium                   |