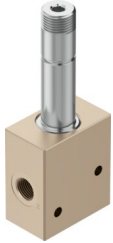


# Valve

## VOFD-L50T-M32-MN-G14-10-R1-F10

FESTO

Part number: 4515019



[General operating condition](#)

### Data sheet

| Feature   | Value  |
|---|--|
| Valve function  | 3/2-way, single solenoid, closed                                   |
| Type of actuation                                     | Electrical   |
| Construction width                                    | 28 mm  |
| Standard nominal flow rate (standardised to DIN 1343) | 493 l/min  |
| pneumatic working port                                | G1/4   |
| Operating pressure                                    | 0 MPa ... 1 MPa  |
| Operating pressure                                    | 0 bar ... 10 bar   |
| Operating pressure                                    | 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                                     | Any  |
| Manual override                                       | None   |
| Type of piloting                                      | Direct   |
| Flow direction  | Reversible   |
| Symbol  | 00992967   |
| Safety function                                       | Safe exhausting  |
| Safety Integrity Level (SIL)                          | 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 m <sup>3</sup> /h   |
| Flow rate Kv exhaust                                  | 0.36 m <sup>3</sup> /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) |
| 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                                     |

| <b>Feature</b>               | <b>Value</b>               |
|------------------------------|----------------------------|
| 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 | G1/4                       |
| Pneumatic connection, port 2 | G1/4                       |
| Pneumatic connection, port 3 | G1/4                       |
| Note on materials            | RoHS compliant             |
| Material seals               | NBR                        |
| Material housing             | High-alloy stainless steel |