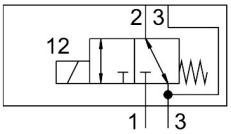
# Pneumatic valve
# VOFD-L50T-M32-MN-FG14-10-F10

Part number: 4514999






## Data sheet

| Feature | Value |
|---|---|
| Valve function | 3/2-way, closed, monostable |
| Actuation type | Electrical |
| Width | 50.5 mm |
| Normal nominal flow rate (normalized to DIN 1343) | 493 l/min |
| Pneumatic working port | Flange 1/4<br>NAMUR connection pattern |
| 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) |

| Feature | Value |
|---|---|
| | Zone 22 (ATEX) |
| 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) | 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 | 560 g |
| Pneumatic connection 1 | G1/4 |
| Pneumatic connection 2 | Flange 1/4<br>NAMUR connection pattern |
| Pneumatic connection 3 | G1/4 |
| Note on materials | RoHS compliant |
| Seals material | NBR |
| Housing material | Aluminum, ematal coated |