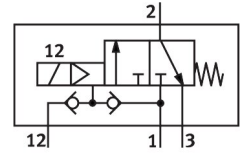


# Pneumatic valve VOFC-LT-M32C-MC-N14-F19

Part number: 4514742

**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) | 703 l/min                                                          |
| Pneumatic working port                            | 1/4 NPT                                                            |
| Operating pressure                                | 0.1 MPa...0.8 MPa<br>1 bar...8 bar<br>14.5 psi...116 psi           |
| Structural design                                 | Pilot-controlled piston poppet valve                               |
| Reset method                                      | Mechanical spring                                                  |
| Degree of protection                              | IP65                                                               |
| Certificate issuing authority                     | TÜV 968/V 1251.00/24                                               |
| Nominal width                                     | 6 mm                                                               |
| Sealing principle                                 | Hard                                                               |
| Mounting position                                 | Any                                                                |
| Manual override                                   | None                                                               |
| Type of control                                   | Piloted                                                            |
| Pilot air supply port                             | External<br>Internal                                               |
| Flow direction                                    | Non-reversible                                                     |
| Safety function                                   | Safe exhausting                                                    |
| Safety integrity level (SIL)                      | Up to SIL 3 high demand mode<br>Up to SIL 3 low demand mode        |
| Information on operating pressure                 | 0 – 0.8 bar with external pilot air                                |
| Flow rate for piston valve pressurization         | 0.64 m³/h                                                          |
| Flow rate for piston valve exhausting             | 1.46 m³/h                                                          |
| Standard nominal flow rate 2-3                    | 1596 l/min                                                         |
| Switching time off                                | 18 ms                                                              |
| On switching time                                 | 24 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] |
| 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                   | 550 g                                         |
| Pneumatic connection 1           | 1/4 NPT                                       |
| Pneumatic connection 2           | 1/4 NPT                                       |
| Pneumatic connection 3           | 1/4 NPT                                       |
| Note on materials                | RoHS compliant                                |
| Seals material                   | NBR                                           |
| Housing material                 | Aluminum, ematal coated                       |