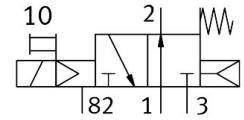


# Air solenoid valve VUVS-L20-M32U-MD-N18-F7

Part number: 575699

**FESTO**



 [General operating condition](#)

## Data sheet

| Feature                                  | Value                                                                                |
|------------------------------------------|--------------------------------------------------------------------------------------|
| Valve function                           | 3/2, open, monostable                                                                |
| Actuation type                           | Electrical                                                                           |
| Valve size                               | 21 mm                                                                                |
| Standard nominal flow rate               | 700 l/min                                                                            |
| Pneumatic working port                   | 1/8 NPT                                                                              |
| Operating pressure                       | 0.25 MPa ... 1 MPa                                                                   |
| Operating pressure                       | 2.5 bar ... 10 bar                                                                   |
| Structural design                        | Piston gate valve                                                                    |
| Reset method                             | Mechanical spring                                                                    |
| Certification                            | c UL us - Recognized (OL)                                                            |
| Nominal width                            | 5.7 mm                                                                               |
| Exhaust air function                     | With flow control option                                                             |
| Sealing principle                        | Soft                                                                                 |
| Mounting position                        | Any                                                                                  |
| Manual override                          | Detenting<br>Non-detenting                                                           |
| Type of control                          | Pilot-controlled                                                                     |
| Pilot air supply port                    | Internal                                                                             |
| Flow direction                           | Non-reversible                                                                       |
| Symbol                                   | 00991410                                                                             |
| Lap                                      | Overlap                                                                              |
| b-value                                  | 0.35                                                                                 |
| C value                                  | 2.9 l/sbar                                                                           |
| Switching time off                       | 28 ms                                                                                |
| On switching time                        | 15 ms                                                                                |
| Max. positive test pulse with 0 signal   | 1900 µs                                                                              |
| Max. negative test pulse on 1 signal     | 2700 µs                                                                              |
| Operating medium                         | Compressed air as per ISO 8573-1:2010 [7:4:4]                                        |
| Information on operating and pilot media | Operation with oil lubrication possible (required for further use)                   |
| Vibration resistance                     | Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6 |
| Shock resistance                         | Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27                |
| Corrosion resistance class (CRC)         | 2 - Moderate corrosion stress                                                        |
| LABS (PWIS) conformity                   | VDMA24364-B1/B2-L                                                                    |
| Cleanroom class                          | Class 6 according to ISO 14644-1                                                     |
| Temperature of medium                    | -10 °C ... 60 °C                                                                     |

| Feature                   | Value                                         |
|---------------------------|-----------------------------------------------|
| Pilot medium              | Compressed air as per ISO 8573-1:2010 [7:4:4] |
| Ambient temperature       | -10 °C ... 60 °C                              |
| Product weight            | 136 g                                         |
| Type of mounting          | With through-hole                             |
| Venting hole connection   | Not ducted                                    |
| Pilot exhaust air port 82 | 10-32 UNF-2B                                  |
| Pneumatic connection 1    | 1/8 NPT                                       |
| Pneumatic connection 2    | 1/8 NPT                                       |
| Pneumatic connection 3    | 1/8 NPT                                       |
| Note on materials         | RoHS-compliant                                |
| Seals material            | HNBR<br>NBR                                   |
| Housing material          | Painted                                       |
| Piston slide material     | Wrought aluminum alloy                        |
| Material of screws        | Steel, galvanized                             |