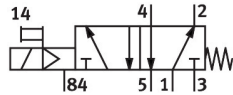


# Air solenoid valve

## VUVS-L20-M52-MD-G18-F7

Part number: 575250

**FESTO**



## Data sheet

| Feature                                  | Value  |
|--|--|
| Valve function                           | 5/2, monostable  |
| Actuation type                           | Electrical   |
| Valve size                               | 21 mm  |
| Standard nominal flow rate               | 700 l/min  |
| Pneumatic working port                   | G1/8   |
| Operating pressure                       | 0.25 MPa...1 MPa<br>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   |
| Lap                                      | Overlap  |
| b-value                                  | 0.35   |
| C value                                  | 2.9 l/sbar   |
| Switching time off                       | 44 ms  |
| On switching time                        | 12 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  |

| Feature                   | Value   |
|---------------------------|---|
| LABS (PWIS) conformity    | VDMA24364-B1/B2-L                                     |
| Cleanroom class           | Class 6 according to ISO 14644-1                      |
| Temperature of medium     | -10 °C...60 °C  |
| Pilot medium              | Compressed air as per ISO 8573-1:2010 [7:4:4]         |
| Ambient temperature       | -10 °C...60 °C  |
| Product weight            | 183 g   |
| Type of mounting          | On terminal strip<br>With through-hole<br>Optionally: |
| Venting hole connection   | Not ducted  |
| Pilot exhaust air port 84 | M5  |
| Pneumatic connection 1    | G1/8  |
| Pneumatic connection 2    | G1/8  |
| Pneumatic connection 3    | G1/8  |
| Pneumatic connection 4    | G1/8  |
| Pneumatic connection 5    | G1/8  |
| Note on materials         | RoHS-compliant  |
| Seals material            | HNBR<br>NBR   |
| Housing material          | Die-cast aluminum<br>Painted                          |
| Piston slide material     | Wrought aluminum alloy                                |
| Material of screws        | Steel, galvanized                                     |