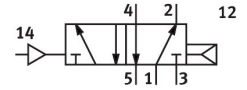


# Pneumatic valve VUWS-L20-M52-A-G18

Part number: 575677

**FESTO**



[PDF General operating condition](#)

## Data sheet

| Feature                                  | Value                                                                                                            |
|------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| Valve function                           | 5/2, monostable                                                                                                  |
| Actuation type                           | Pneumatic                                                                                                        |
| Valve size                               | 21 mm                                                                                                            |
| Standard nominal flow rate               | 700 l/min                                                                                                        |
| Pneumatic working port                   | G1/8                                                                                                             |
| Operating pressure                       | 0.25 MPa ... 1 MPa                                                                                               |
| Operating pressure                       | 2.5 bar ... 10 bar                                                                                               |
| Structural design                        | Piston gate valve                                                                                                |
| Reset method                             | Pneumatic 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                          | None                                                                                                             |
| Type of control                          | Direct                                                                                                           |
| Pilot air supply port                    | Internal                                                                                                         |
| Flow direction                           | Non-reversible                                                                                                   |
| Symbol                                   | 00991048                                                                                                         |
| Lap                                      | Overlap                                                                                                          |
| Pilot pressure MPa                       | 0.25 MPa ... 1 MPa                                                                                               |
| Pilot pressure                           | 2.5 bar ... 10 bar                                                                                               |
| Switching time off                       | 26 ms                                                                                                            |
| On switching time                        | 13 ms                                                                                                            |
| Explosion prevention and protection      | Observe the information on the certificate<br>Zone 1 (ATEX)<br>Zone 2 (ATEX)<br>Zone 21 (ATEX)<br>Zone 22 (ATEX) |
| 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                                                                                 |

| Feature                 | Value                                         |
|-------------------------|-----------------------------------------------|
| 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          | 160 g                                         |
| Type of mounting        | With through-hole                             |
| Venting hole connection | Not ducted                                    |
| 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        | Painted                                       |
| Piston slide material   | Wrought aluminum alloy                        |
| Material of screws      | Steel, galvanized                             |