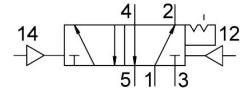


# Pneumatic valve VUWS-LT20-B52-N18

Part number: 577535

FESTO



[PDF](#) General operating condition

## Data sheet

| Feature   | Value  |
|---|--|
| Valve function  | 5/2-way, bistable  |
| Actuation type  | Pneumatic  |
| Valve size  | 21 mm  |
| Normal nominal flow rate (normalized to DIN 1343)         | 500 l/min  |
| Pneumatic working port                                    | 1/8 NPT  |
| Operating pressure  | 0.15 MPa ... 1 MPa   |
| Operating pressure  | 1.5 bar ... 10 bar   |
| Structural design   | Plate seat   |
| Certification   | c UL us - recognized (OL)  |
| Nominal width   | 5 mm   |
| Exhaust air function                                      | Adjustable   |
| Sealing principle   | Soft   |
| Mounting position   | Any  |
| Manual override   | None   |
| Type of control   | directly   |
| Pilot air supply port                                     | Internal   |
| Flow direction  | Non-reversible   |
| Symbol  | 00995840   |
| Lap   | Negative overlap   |
| Pilot pressure MPa  | 0.15 MPa ... 1 MPa   |
| Pilot pressure  | 1.5 bar ... 10 bar   |
| Changeover time   | 4 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 suitability, measured according to ISO 14644-14 | 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]  |

| <b>Feature</b>          | <b>Value</b>                           |
|-------------------------|--|
| Ambient temperature     | -10 °C ... 60 °C                       |
| Product weight          | 156 g                                  |
| Type of mounting        | On terminal strip<br>With through-hole |
| Venting hole connection | Not ducted                             |
| Pilot air port 12       | 10-32 UNF-2B                           |
| Pilot air port 14       | 10-32 UNF-2B                           |
| Pneumatic connection 1  | 1/8 NPT                                |
| Pneumatic connection 2  | 1/8 NPT                                |
| Pneumatic connection 3  | 1/8 NPT                                |
| Pneumatic connection 4  | 1/8 NPT                                |
| Pneumatic connection 5  | 1/8 NPT                                |
| Note on materials       | RoHS compliant                         |
| Seals material          | HNBR<br>NBR<br>TPE-U(PU)               |
| Housing material        | Painted                                |
| Material of screws      | Galvanized steel                       |