

# Pneumatic valve VUWS-25

Part number: 8022015

FESTO



 General operating condition

## Data sheet

Overall data sheet – Individual values depend upon your configuration.

| Feature                                  | Value                                                                                                                                                                                                                               |
|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Valve function                           | 2x3/2, closed, monostable<br>2x3/2, open, monostable<br>2x3/2, open/closed, monostable<br>3/2, closed, monostable<br>3/2, open, monostable<br>5/2, bistable<br>5/2, monostable<br>5/3, pressurized<br>5/3, exhausted<br>5/3, closed |
| Actuation type                           | Pneumatic                                                                                                                                                                                                                           |
| Valve size                               | 26.5 mm                                                                                                                                                                                                                             |
| Standard nominal flow rate               | 1000 l/min ... 1300 l/min                                                                                                                                                                                                           |
| Pneumatic working port                   | G1/4<br>1/4 NPT<br>QS-6<br>QS-8<br>QS-10<br>QS-1/4<br>QS-5/16<br>QS-3/8                                                                                                                                                             |
| Operating pressure                       | -0.9 bar ... 10 bar                                                                                                                                                                                                                 |
| Structural design                        | Piston gate valve<br>Plate seat                                                                                                                                                                                                     |
| Reset method                             | Mechanical spring<br>Pneumatic spring                                                                                                                                                                                               |
| Certification                            | c UL us - Recognized (OL)                                                                                                                                                                                                           |
| Exhaust air function                     | With flow control option                                                                                                                                                                                                            |
| Sealing principle                        | Soft                                                                                                                                                                                                                                |
| Mounting position                        | Any                                                                                                                                                                                                                                 |
| Manual override                          | None                                                                                                                                                                                                                                |
| Type of control                          | Direct                                                                                                                                                                                                                              |
| 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)                                                                                                                                                                  |
| Corrosion resistance class (CRC)         | 2 - Moderate corrosion stress                                                                                                                                                                                                       |
| LABS (PWIS) conformity                   | VDMA24364-B1/B2-L                                                                                                                                                                                                                   |

| Feature                 | Value                                         |
|-------------------------|-----------------------------------------------|
| Cleanroom class         | Class 6 according to ISO 14644-1              |
| Pilot medium            | Compressed air as per ISO 8573-1:2010 [7:4:4] |
| Type of mounting        | With through-hole                             |
| Venting hole connection | Not ducted                                    |
| Note on materials       | RoHS-compliant                                |
| Housing material        | Painted                                       |
| Material of screws      | Steel, galvanized                             |