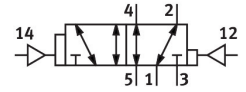


# Pneumatic valve VSPA-B-D52-D2

Part number: 8033648

FESTO



[PDF](#) General operating condition

## Data sheet

| Feature                                              | Value                                                                                      |
|------------------------------------------------------|--------------------------------------------------------------------------------------------|
| Valve function                                       | 5/2-way, bistable, dominant                                                                |
| Type of actuation                                    | Pneumatic                                                                                  |
| Construction width                                   | 52 mm                                                                                      |
| Nominal flow rate standardised according to ISO 8778 | 4000 l/min                                                                                 |
| pneumatic working port                               | Sub-base size 2 to ISO 5599-1                                                              |
| Operating pressure                                   | -0.09 MPa ... 1.6 MPa                                                                      |
| Operating pressure                                   | -0.9 bar ... 16 bar                                                                        |
| Design                                               | Piston gate valve                                                                          |
| Nominal size                                         | 11.5 mm                                                                                    |
| Exhaust-air function                                 | Via individual sub-base                                                                    |
| Sealing principle                                    | Soft                                                                                       |
| Mounting position                                    | optional                                                                                   |
| Type of piloting                                     | Direct                                                                                     |
| Pilot air supply                                     | External                                                                                   |
| Flow direction                                       | Reversible                                                                                 |
| Symbol                                               | 00991042                                                                                   |
| lap                                                  | Overlap                                                                                    |
| Pilot pressure                                       | 0.3 MPa ... 1.6 MPa                                                                        |
| Pilot pressure                                       | 3 bar ... 16 bar                                                                           |
| Suitability for vacuum                               | yes                                                                                        |
| b value                                              | 0.26                                                                                       |
| C value                                              | 8272 l/sbar                                                                                |
| Flow rate of valve                                   | 3700 l/min                                                                                 |
| Flow rate of valve on individual sub-base            | 3100 l/min                                                                                 |
| Operating medium                                     | Compressed air to ISO 8573-1:2010 [7:4:4]                                                  |
| Note on operating and pilot medium                   | Lubricated operation possible (in which case lubricated operation will always be required) |
| Vibration resistance                                 | Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6           |
| Shock resistance                                     | Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27                          |
| Corrosion resistance class CRC                       | 0 - No corrosion stress                                                                    |
| LABS (PWIS) conformity                               | VDMA24364-B1/B2-L                                                                          |
| Media temperature                                    | -10 °C ... 60 °C                                                                           |
| Sound pressure level                                 | 85 dB(A)                                                                                   |
| Pilot medium                                         | Compressed air to ISO 8573-1:2010 [7:4:4]                                                  |
| Max. tightening torque for valve mounting            | 2 Nm                                                                                       |

| Feature                      | Value                         |
|------------------------------|-------------------------------|
| Product weight               | 610 g                         |
| Type of mounting             | On sub-base                   |
| Pilot air port 12            | Sub-base size 2 to ISO 5599-1 |
| Pilot air port 14            | Sub-base size 2 to ISO 5599-1 |
| Pneumatic connection, port 1 | Sub-base size 2 to ISO 5599-1 |
| Pneumatic connection, port 2 | Sub-base size 2 to ISO 5599-1 |
| Pneumatic connection, port 3 | Sub-base size 2 to ISO 5599-1 |
| Pneumatic connection, port 4 | Sub-base size 2 to ISO 5599-1 |
| Pneumatic connection, port 5 | Sub-base size 2 to ISO 5599-1 |
| Note on materials            | RoHS-compliant                |
| Material seals               | NBR                           |
| Material housing             | Die-cast aluminium            |
| Material screws              | Steel<br>Galvanised           |