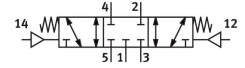


# Pneumatic valve VSPA-B-P53C-D1

Part number: 8033641

**FESTO**



## Data sheet

| Feature                                              | Value                                                                                |
|------------------------------------------------------|--------------------------------------------------------------------------------------|
| Valve function                                       | 5/3-way, closed                                                                      |
| Actuation type                                       | Pneumatic                                                                            |
| Width                                                | 42 mm                                                                                |
| Nominal flow rate standardized according to ISO 8778 | 1800 l/min                                                                           |
| Pneumatic working port                               | Sub-base, size 1 according to ISO 5599-1                                             |
| Operating pressure                                   | -0.09 MPa...1.6 MPa<br>-0.9 bar...16 bar                                             |
| Structural design                                    | Piston gate valve                                                                    |
| Nominal width                                        | 8 mm                                                                                 |
| Exhaust air function                                 | Via individual sub-base                                                              |
| Sealing principle                                    | Soft                                                                                 |
| Mounting position                                    | Any                                                                                  |
| Type of control                                      | directly                                                                             |
| Pilot air supply port                                | External                                                                             |
| Flow direction                                       | Reversible                                                                           |
| Lap                                                  | Positive overlap                                                                     |
| Pilot pressure MPa                                   | 0.3 MPa...1.6 MPa                                                                    |
| Pilot pressure                                       | 3 bar...16 bar                                                                       |
| Suitability for vacuum                               | Yes                                                                                  |
| b-value                                              | 0.14                                                                                 |
| C value                                              | 7482 l/sbar                                                                          |
| Flow rate of pneumatic valve                         | 1600 l/min                                                                           |
| Flow rate of pneumatic valve on individual sub-base  | 1400 l/min                                                                           |
| 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)                     | 0 - No corrosion stress                                                              |
| LABS (PWIS) conformity                               | VDMA24364-B1/B2-L                                                                    |
| Temperature of medium                                | -10 °C...60 °C                                                                       |
| Noise level                                          | 85 dB(A)                                                                             |

| Feature                                   | Value                                         |
|-------------------------------------------|-----------------------------------------------|
| Pilot medium                              | Compressed air as per ISO 8573-1:2010 [7:4:4] |
| Max. tightening torque for valve mounting | 1 Nm                                          |
| Product weight                            | 345 g                                         |
| Type of mounting                          | On sub-base                                   |
| Pilot air port 12                         | Sub-base, size 1 as per ISO 5599-1            |
| Pilot air port 14                         | Sub-base, size 1 as per ISO 5599-1            |
| Pneumatic connection 1                    | Sub-base, size 1 as per ISO 5599-1            |
| Pneumatic connection 2                    | Sub-base, size 1 as per ISO 5599-1            |
| Pneumatic connection 3                    | Sub-base, size 1 as per ISO 5599-1            |
| Pneumatic connection 4                    | Sub-base, size 1 as per ISO 5599-1            |
| Pneumatic connection 5                    | Sub-base, size 1 as per ISO 5599-1            |
| Note on materials                         | RoHS compliant                                |
| Seals material                            | NBR                                           |
| Housing material                          | Die-cast aluminum                             |
| Material of screws                        | Steel<br>Galvanized                           |