# Pneumatic valve
## VSPA-B-P53C-D2
Part number: 8033651
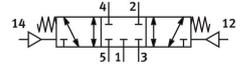
# Data sheet

| Feature | Value |
|---|---|
| Valve function | 5/3, closed |
| Actuation type | Pneumatic |
| Width | 52 mm |
| Nominal flow rate standardized according to ISO 8778 | 3700 l/min |
| Pneumatic working port | Sub-base, size 2 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 | 11.5 mm |
| Exhaust air function | Via individual sub-base |
| Sealing principle | Soft |
| Mounting position | Any |
| Type of control | Direct |
| Pilot air supply port | External |
| Flow direction | Reversible |
| Lap | Overlap |
| Pilot pressure MPa | 0.3 MPa...1.6 MPa |
| Pilot pressure | 3 bar...16 bar |
| Suitability for vacuum | yes |
| b-value | 0.26 |
| C value | 7695 l/sbar |
| Flow rate of pneumatic valve | 3500 l/min |
| Flow rate of pneumatic valve on individual sub-base | 2800 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 ºC...60 ºC |
| 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 | 2 Nm |
| Product weight | 655 g |
| Type of mounting | On sub-base |
| Pilot air port 12 | Sub-base, size 2 as per ISO 5599-1 |
| Pilot air port 14 | Sub-base, size 2 as per ISO 5599-1 |
| Pneumatic connection 1 | Sub-base, size 2 as per ISO 5599-1 |
| Pneumatic connection 2 | Sub-base, size 2 as per ISO 5599-1 |
| Pneumatic connection 3 | Sub-base, size 2 as per ISO 5599-1 |
| Pneumatic connection 4 | Sub-base, size 2 as per ISO 5599-1 |
| Pneumatic connection 5 | Sub-base, size 2 as per ISO 5599-1 |
| Note on materials | RoHS-compliant |
| Seals material | NBR |
| Housing material | Die-cast aluminum |
| Material of screws | Steel<br>Galvanized |