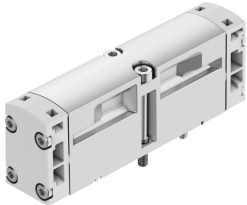


# Pneumatic valve VSPA-B-B52-A2

Part number: 546724

FESTO



## Data sheet

| Feature  | Value   |
|--|---|
| Valve function   | 5/2, bistable   |
| Actuation type   | Pneumatic   |
| Width  | 18 mm   |
| Standard nominal flow rate   | 550 l/min   |
| Pneumatic working port   | Sub-base, size 18 mm as per ISO 15407-1<br>Connecting plate size 02 according to VDMA 24563<br>G1/8 |
| Operating pressure   | -0.9 bar...10 bar   |
| Structural design  | Piston gate valve   |
| Nominal width  | 5 mm  |
| Exhaust air function   | With flow control option  |
| Sealing principle  | Soft  |
| Mounting position  | Any   |
| Conforms to standard   | ISO 15407-1<br>VDMA 24563   |
| Type of control  | Direct  |
| Flow direction   | Reversible  |
| Lap  | Overlap   |
| Pilot pressure   | 2 bar...10 bar  |
| Flow rate of pneumatic valve   | 750 l/min   |
| Flow rate of pneumatic valve on individual sub-base                    | 550 l/min   |
| Optimized flow rate of pneumatic valve pneumatically concatenated flow | 550 l/min   |
| Changeover time  | 6 ms  |
| Explosion prevention and protection                                    | Zone 2 (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)                                       | 0 - No corrosion stress   |
| LABS (PWIS) conformity   | VDMA24364-B1/B2-L   |
| Temperature of medium  | -10 °C...60 °C  |
| Relative air humidity  | 0 - 90 %  |
| 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                          |
| Max. tightening torque for valve mounting | 0.9 Nm...1.1 Nm                         |
| Product weight                            | 80 g                                    |
| Pilot air port 12                         | Sub-base, size 18 mm as per ISO 15407-1 |
| Pilot air port 14                         | Sub-base, size 18 mm as per ISO 15407-1 |
| Pneumatic connection 1                    | Sub-base, size 18 mm as per ISO 15407-1 |
| Pneumatic connection 2                    | Sub-base, size 18 mm as per ISO 15407-1 |
| Pneumatic connection 3                    | Sub-base, size 18 mm as per ISO 15407-1 |
| Pneumatic connection 4                    | Sub-base, size 18 mm as per ISO 15407-1 |
| Pneumatic connection 5                    | Sub-base, size 18 mm as per ISO 15407-1 |
| Note on materials                         | RoHS-compliant                          |
| Seals material                            | NBR                                     |
| Housing material                          | Die-cast aluminum                       |
| Material of screws                        | Steel<br>Galvanized                     |