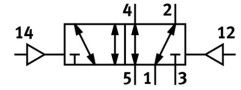
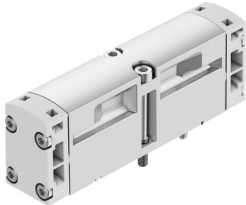


# Pneumatic valve VSPA-B-B52-A2

Part number: 546724

FESTO



[PDF](#) General operating condition

## Data sheet

| Feature                                      | Value                                                                                      |
|----------------------------------------------|--------------------------------------------------------------------------------------------|
| Valve function                               | 5/2 double solenoid                                                                        |
| Type of actuation                            | Pneumatic                                                                                  |
| Construction width                           | 18 mm                                                                                      |
| Standard nominal flow rate                   | 550 l/min                                                                                  |
| pneumatic working port                       | Sub-base size 18 mm to ISO 15407-1<br>Sub-base size 02 to VDMA 24563<br>G1/8               |
| Operating pressure                           | -0.9 bar ... 10 bar                                                                        |
| Design                                       | Piston gate valve                                                                          |
| Nominal size                                 | 5 mm                                                                                       |
| Exhaust-air function                         | With flow control option                                                                   |
| Sealing principle                            | Soft                                                                                       |
| Mounting position                            | optional                                                                                   |
| Conforms to standard                         | ISO 15407-1<br>VDMA 24563                                                                  |
| Type of piloting                             | Direct                                                                                     |
| Flow direction                               | Reversible                                                                                 |
| Symbol                                       | 00991037                                                                                   |
| lap                                          | Overlap                                                                                    |
| Pilot pressure                               | 2 bar ... 10 bar                                                                           |
| Flow rate of valve                           | 750 l/min                                                                                  |
| Flow rate of valve on individual sub-base    | 550 l/min                                                                                  |
| Flow rate of pneumatically interlinked valve | 550 l/min                                                                                  |
| Switching time reversal                      | 6 ms                                                                                       |
| Explosion protection                         | Zone 2 (ATEX)<br>Zone 22 (ATEX)                                                            |
| 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) |
| Corrosion resistance class CRC               | 0 - No corrosion stress                                                                    |
| LABS (PWIS) conformity                       | VDMA24364-B1/B2-L                                                                          |
| Media temperature                            | -10 °C ... 60 °C                                                                           |
| Relative air humidity                        | 0 - 90%                                                                                    |
| Pilot medium                                 | Compressed air to ISO 8573-1:2010 [7:4:4]                                                  |
| Ambient temperature                          | -10 °C ... 60 °C                                                                           |
| Max. tightening torque for valve mounting    | 0.9 Nm ... 1.1 Nm                                                                          |
| Product weight                               | 80 g                                                                                       |

| Feature                      | Value                              |
|------------------------------|------------------------------------|
| Pilot air port 12            | Sub-base size 18 mm to ISO 15407-1 |
| Pilot air port 14            | Sub-base size 18 mm to ISO 15407-1 |
| Pneumatic connection, port 1 | Sub-base size 18 mm to ISO 15407-1 |
| Pneumatic connection, port 2 | Sub-base size 18 mm to ISO 15407-1 |
| Pneumatic connection, port 3 | Sub-base size 18 mm to ISO 15407-1 |
| Pneumatic connection, port 4 | Sub-base size 18 mm to ISO 15407-1 |
| Pneumatic connection, port 5 | Sub-base size 18 mm to ISO 15407-1 |
| Note on materials            | RoHS-compliant                     |
| Material seals               | NBR                                |
| Material housing             | Die-cast aluminium                 |
| Material screws              | Steel<br>Galvanised                |