

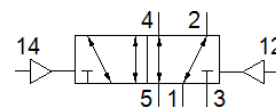
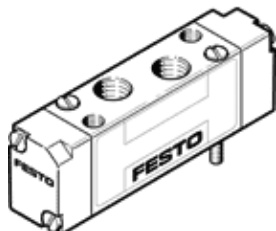
# pneumatic valve

## J-5/2-1/8-P-B

Part number: 173173

FESTO

5/2-way valve, bistable, pneumatically operated  
This type is suitable for vacuum.



## Data sheet

| Feature                                 | Value  |
|---|--|
| Valve function                          | 5/2 bistable   |
| Type of actuation                       | pneumatic  |
| Width                                   | 17.8 mm  |
| Standard nominal flow rate              | 650 l/min  |
| Operating pressure                      | -0.9 ... 10 bar  |
| Design structure                        | Piston slide   |
| Type of reset                           | Air spring   |
| Authorisation                           | UL - Recognized (OL)   |
| Nominal size                            | 5 mm   |
| Grid dimension                          | 18 mm  |
| Exhaust-air function                    | throttleable   |
| Sealing principle                       | soft   |
| Assembly position                       | Any  |
| Manual override                         | None   |
| Type of piloting                        | direct   |
| Pilot air supply                        | external   |
| Flow direction                          | reversible   |
| Overlap                                 | Positive overlap   |
| Pilot pressure                          | 1.5 ... 8 bar  |
| b value                                 | 0.42   |
| C value                                 | 3.2 l/sbar   |
| Switching time reversal                 | 5 ms   |
| Operating medium                        | Compressed air in accordance with ISO8573-1:2010 [7:4:4]                                       |
| Note on operating and pilot medium      | Lubricated operation possible (subsequently required for further operation)                    |
| Vibration resistance                    | Transport application test at severity level 1 in accordance with FN 942017-4 and EN 60068-2-6 |
| Shock resistance                        | Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27              |
| Corrosion resistance classification CRC | 2 - Moderate corrosion stress  |
| Storage temperature                     | -20 ... 40 °C  |
| Medium temperature                      | -5 ... 50 °C   |
| Sound pressure level                    | 75 dB(A)   |
| Pilot medium                            | Compressed air in accordance with ISO8573-1:2010 [7:4:4]                                       |
| Ambient temperature                     | -5 ... 50 °C   |
| Product weight                          | 60 g   |
| Mounting type                           | on manifold rail   |
| Pilot air port 12                       | M5   |
| Pilot air port 14                       | M5   |
| Pneumatic connection, port 1            | Sub-base   |
| Pneumatic connection, port 2            | G1/8   |
| Pneumatic connection, port 3            | Sub-base   |
| Pneumatic connection, port 4            | G1/8   |

| <b>Feature</b>               | <b>Value</b>       |
|------------------------------|--------------------|
| Pneumatic connection, port 5 | Sub-base           |
| Materials note               | Conforms to RoHS   |
| Material seals               | HNBR<br>NBR        |
| Material housing             | Aluminium die cast |