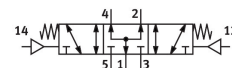


# Pneumatic valve

## VL-5/3B-D-1-C

Part number: 151012

**FESTO**



## Data sheet

| Feature                                  | Value  |
|--|--|
| Valve function                           | 5/3, pressurized   |
| Actuation type                           | Pneumatic  |
| Width                                    | 42 mm  |
| Standard nominal flow rate               | 1200 l/min   |
| Pneumatic working port                   | Sub-base, size 1 according to ISO 5599-1<br>G1/4                                     |
| Operating pressure                       | -0.09 MPa...1.6 MPa<br>-0.9 bar...16 bar   |
| Structural design                        | Piston gate valve  |
| Reset method                             | Mechanical spring  |
| Nominal width                            | 8 mm   |
| Width dimension                          | 43 mm  |
| Exhaust air function                     | With flow control option   |
| Sealing principle                        | Soft   |
| Mounting position                        | Any  |
| Conforms to standard                     | ISO 5599-1   |
| Manual override                          | None   |
| ISO code                                 | 107  |
| Type of control                          | Direct   |
| Flow direction                           | Reversible   |
| Lap                                      | Overlap  |
| Pilot pressure                           | 3 bar...16 bar   |
| Switching time off                       | 44 ms  |
| On switching time                        | 7 ms   |
| 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 1 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                |
| 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] |
| Ambient temperature    | -10 °C...60 °C                                |
| Product weight         | 320 g   |
| Type of mounting       | On sub-base<br>With through-hole              |
| 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         | HNBR<br>NBR                                   |
| Housing material       | Die-cast aluminum                             |