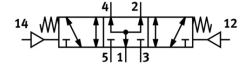
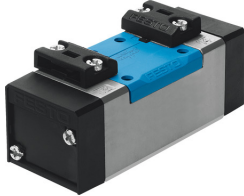


# Pneumatic valve VL-5/3B-D-1-C

Part number: 151012

FESTO



 [General operating condition](#)

## Data sheet

| Feature                            | Value                                                                                      |
|------------------------------------|--------------------------------------------------------------------------------------------|
| Valve function                     | 5/3-way, pressurised                                                                       |
| Type of actuation                  | Pneumatic                                                                                  |
| Construction width                 | 42 mm                                                                                      |
| Standard nominal flow rate         | 1200 l/min                                                                                 |
| pneumatic working port             | Sub-base size 1 to ISO 5599-1<br>G1/4                                                      |
| Operating pressure                 | -0.09 MPa ... 1.6 MPa                                                                      |
| Operating pressure                 | -0.9 bar ... 16 bar                                                                        |
| Design                             | Piston gate valve                                                                          |
| Type of reset                      | Mechanical spring                                                                          |
| Approval                           | UL - Recognized (OL)                                                                       |
| Nominal size                       | 8 mm                                                                                       |
| Grid dimension                     | 43 mm                                                                                      |
| Exhaust-air function               | With flow control option                                                                   |
| Sealing principle                  | Soft                                                                                       |
| Mounting position                  | optional                                                                                   |
| Conforms to standard               | ISO 5599-1                                                                                 |
| Manual override                    | None                                                                                       |
| ISO code                           | 107                                                                                        |
| Type of piloting                   | Direct                                                                                     |
| Flow direction                     | Reversible                                                                                 |
| Symbol                             | 00991022                                                                                   |
| lap                                | Overlap                                                                                    |
| Pilot pressure                     | 3 bar ... 16 bar                                                                           |
| Switching time off                 | 44 ms                                                                                      |
| Switching time on                  | 7 ms                                                                                       |
| 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) |
| Vibration resistance               | Transport application test with severity level 1 to FN 942017-4 and EN 60068-2-6           |
| Shock resistance                   | Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27                          |
| LABS (PWIS) conformity             | VDMA24364-B1/B2-L                                                                          |
| Media temperature                  | -10 °C ... 60 °C                                                                           |
| Sound pressure level               | 85 dB(A)                                                                                   |
| Pilot medium                       | Compressed air to ISO 8573-1:2010 [7:4:4]                                                  |

| Feature                      | Value                            |
|------------------------------|----------------------------------|
| 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 to ISO 5599-1    |
| Pilot air port 14            | Sub-base size 1 to ISO 5599-1    |
| Pneumatic connection, port 1 | Sub-base size 1 to ISO 5599-1    |
| Pneumatic connection, port 2 | Sub-base size 1 to ISO 5599-1    |
| Pneumatic connection, port 3 | Sub-base size 1 to ISO 5599-1    |
| Pneumatic connection, port 4 | Sub-base size 1 to ISO 5599-1    |
| Pneumatic connection, port 5 | Sub-base size 1 to ISO 5599-1    |
| Note on materials            | RoHS-compliant                   |
| Material seals               | HNBR<br>NBR                      |
| Material housing             | Die-cast aluminium               |