

# Pneumatic valve VL-5/3B-D-2-C

Part number: 151850

FESTO



[General operating condition](#)

## Data sheet

| Feature   | Value  |
|---|--|
| Valve function                                    | 5/3, pressurized   |
| Actuation type                                    | Pneumatic  |
| Width   | 54 mm  |
| Normal nominal flow rate (normalized to DIN 1343) | 2300 l/min   |
| Pneumatic working port                            | Sub-base, size 2 according to ISO 5599-1<br>G3/8                                     |
| Operating pressure                                | -0.09 MPa ... 1.6 MPa  |
| Operating pressure                                | -0.9 bar ... 16 bar  |
| Structural design                                 | Piston gate valve  |
| Reset method                                      | Mechanical spring  |
| Certification                                     | UL - Recognized (OL)   |
| Nominal width                                     | 11.5 mm  |
| Width dimension                                   | 56 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  | 207  |
| Type of control                                   | Direct   |
| Flow direction                                    | Reversible   |
| Symbol  | 00991022   |
| Lap   | Overlap  |
| Pilot pressure MPa                                | 0.3 MPa ... 1.6 MPa  |
| Pilot pressure                                    | 3 bar ... 16 bar   |
| Switching time off                                | 57 ms  |
| On switching time                                 | 15 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)   |
| 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                           |
| Product weight         | 825 g                                      |
| Type of mounting       | On sub-base<br>With through-hole and screw |
| Pilot air port 12      | Sub-base, size 2 as per ISO 5599-1         |
| Pilot air port 14      | Sub-base, size 2 as per ISO 5599-1         |
| Pneumatic connection 1 | Sub-base, size 2 as per ISO 5599-1         |
| Pneumatic connection 2 | Sub-base, size 2 as per ISO 5599-1         |
| Pneumatic connection 3 | Sub-base, size 2 as per ISO 5599-1         |
| Pneumatic connection 4 | Sub-base, size 2 as per ISO 5599-1         |
| Pneumatic connection 5 | Sub-base, size 2 as per ISO 5599-1         |
| Note on materials      | RoHS-compliant                             |
| Seals material         | HNBR<br>NBR                                |
| Housing material       | Die-cast aluminum                          |