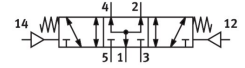


# Pneumatic valve VL-5/3B-1/8-B

Part number: 31310

**FESTO**



 [General operating condition](#)

## Data sheet

| Feature                                  | Value                                                              |
|------------------------------------------|--------------------------------------------------------------------|
| Valve function                           | 5/3, pressurized                                                   |
| Actuation type                           | Pneumatic                                                          |
| Width                                    | 26 mm                                                              |
| Standard nominal flow rate               | 1000 l/min                                                         |
| Pneumatic working port                   | G1/8                                                               |
| Operating pressure                       | -0.09 MPa ... 1 MPa                                                |
| Operating pressure                       | -0.9 bar ... 10 bar                                                |
| Structural design                        | Piston gate valve                                                  |
| Reset method                             | Mechanical spring                                                  |
| Nominal width                            | 8 mm                                                               |
| Width dimension                          | 27 mm                                                              |
| Exhaust air function                     | With flow control option                                           |
| Sealing principle                        | Soft                                                               |
| Mounting position                        | Any                                                                |
| Manual override                          | None                                                               |
| Type of control                          | Direct                                                             |
| Pilot air supply port                    | External                                                           |
| Flow direction                           | Reversible                                                         |
| Symbol                                   | 00991022                                                           |
| Lap                                      | Overlap                                                            |
| Pilot pressure MPa                       | 0.3 MPa ... 1 MPa                                                  |
| Pilot pressure                           | 3 bar ... 10 bar                                                   |
| Max. switching frequency                 | 3 Hz                                                               |
| Switching time off                       | 14 ms                                                              |
| On switching time                        | 5 ms                                                               |
| Changeover time                          | 16 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) |
| Corrosion resistance class (CRC)         | 1 - Low corrosion stress                                           |
| LABS (PWIS) conformity                   | VDMA24364-B1/B2-L                                                  |
| Storage temperature                      | -40 °C ... 60 °C                                                   |
| Temperature of medium                    | -10 °C ... 60 °C                                                   |
| 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                         | With through-hole                                                  |

| Feature                   | Value             |
|---------------------------|-------------------|
| Pilot exhaust air port 82 | M5                |
| Pilot air port 12         | G1/8              |
| Pilot air port 14         | G1/8              |
| Pneumatic connection 1    | G1/8              |
| Pneumatic connection 2    | G1/8              |
| Pneumatic connection 3    | G1/8              |
| Pneumatic connection 4    | G1/8              |
| Pneumatic connection 5    | G1/8              |
| Note on materials         | RoHS-compliant    |
| Seals material            | NBR               |
| Housing material          | Die-cast aluminum |