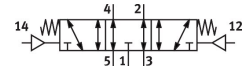


# Pneumatic valve VL-5/3E-1/8-B

Part number: 31309

**FESTO**



## Data sheet

| Feature                                           | Value                                                              |
|---------------------------------------------------|--------------------------------------------------------------------|
| Valve function                                    | 5/3 exhausted                                                      |
| Actuation type                                    | Pneumatic                                                          |
| Width                                             | 26 mm                                                              |
| Normal nominal flow rate (normalized to DIN 1343) | 1000 l/min                                                         |
| Pneumatic working port                            | G1/8                                                               |
| Operating pressure                                | -0.09 MPa...1 MPa<br>-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                              | Adjustable                                                         |
| Sealing principle                                 | Soft                                                               |
| Mounting position                                 | Any                                                                |
| Manual override                                   | None                                                               |
| Type of control                                   | directly                                                           |
| Pilot air supply port                             | External                                                           |
| Flow direction                                    | Reversible                                                         |
| Lap                                               | Positive 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                                   | 24 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]                      |

| Feature                   | Value                                                      |
|---------------------------|------------------------------------------------------------|
| Ambient temperature       | -10 °C...60 °C                                             |
| Product weight            | 320 g                                                      |
| Type of mounting          | Alternatively:<br>On PR manifold rail<br>With through-hole |
| 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                                          |