

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

Part number: 31000

FESTO



[PDF](#) General operating condition

## Data sheet

| Feature   | Value  |
|---|--|
| Valve function                                    | 5/2-way, monostable  |
| Actuation type                                    | Pneumatic  |
| Width   | 26 mm  |
| Normal nominal flow rate (normalized to DIN 1343) | 750 l/min  |
| Pneumatic working port                            | G1/8   |
| Operating pressure                                | 0 MPa ... 1 MPa  |
| Operating pressure                                | 0 bar ... 10 bar   |
| Structural design                                 | Plate seat   |
| Reset method                                      | Mechanical spring  |
| Nominal width                                     | 5 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                                    | Non-reversible   |
| Symbol  | 00991001   |
| Lap   | Negative overlap   |
| Pilot pressure MPa                                | 0.15 MPa ... 0.8 MPa   |
| Pilot pressure                                    | 1.5 bar ... 8 bar  |
| Max. switching frequency                          | 3 Hz   |
| Switching time off                                | 10 ms  |
| On switching time                                 | 2 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                                    | 170 g  |
| Type of mounting                                  | On PR manifold rail<br>With through-hole                           |

| <b>Feature</b>         | <b>Value</b>      |
|------------------------|-------------------|
| 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<br>TPE-U(PU)  |
| Housing material       | Die-cast aluminum |