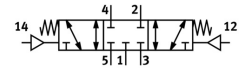


# Pneumatic valve VL-5/3G-1/4-B

Part number: 14298

FESTO



 General operating condition

## Data sheet

| Feature                            | Value                                                                                      |
|------------------------------------|--------------------------------------------------------------------------------------------|
| Valve function                     | 5/3 closed                                                                                 |
| Type of actuation                  | Pneumatic                                                                                  |
| Construction width                 | 32 mm                                                                                      |
| Standard nominal flow rate         | 1600 l/min                                                                                 |
| pneumatic working port             | G1/4                                                                                       |
| Operating pressure                 | -0.09 MPa ... 1 MPa                                                                        |
| Operating pressure                 | -0.9 bar ... 10 bar                                                                        |
| Design                             | Piston gate valve                                                                          |
| Type of reset                      | Mechanical spring                                                                          |
| Nominal size                       | 10 mm                                                                                      |
| Grid dimension                     | 33 mm                                                                                      |
| Exhaust-air function               | With flow control option                                                                   |
| Sealing principle                  | Soft                                                                                       |
| Mounting position                  | optional                                                                                   |
| Manual override                    | None                                                                                       |
| Type of piloting                   | Direct                                                                                     |
| Pilot air supply                   | External                                                                                   |
| Flow direction                     | Reversible                                                                                 |
| Symbol                             | 00991018                                                                                   |
| lap                                | Overlap                                                                                    |
| Pilot pressure                     | 0.3 MPa ... 1 MPa                                                                          |
| Pilot pressure                     | 3 bar ... 10 bar                                                                           |
| b value                            | 0.38                                                                                       |
| C value                            | 6.35 l/sbar                                                                                |
| Max. switching frequency           | 3 Hz                                                                                       |
| Switching time off                 | 26 ms                                                                                      |
| Switching time on                  | 6 ms                                                                                       |
| Switching time reversal            | 30 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) |
| Corrosion resistance class CRC     | 1 - Low corrosion stress                                                                   |
| LABS (PWIS) conformity             | VDMA24364-B1/B2-L                                                                          |
| Storage temperature                | -40 °C ... 60 °C                                                                           |
| Media temperature                  | -10 °C ... 60 °C                                                                           |
| Pilot medium                       | Compressed air to ISO 8573-1:2010 [7:4:4]                                                  |

| Feature                      | Value                                      |
|------------------------------|--------------------------------------------|
| Ambient temperature          | -10 °C ... 60 °C                           |
| Product weight               | 375 g                                      |
| Type of mounting             | Either:<br>On PR rail<br>With through-hole |
| Pilot air port 12            | G1/8                                       |
| Pilot air port 14            | G1/8                                       |
| Pneumatic connection, port 1 | G1/4                                       |
| Pneumatic connection, port 2 | G1/4                                       |
| Pneumatic connection, port 3 | G1/4                                       |
| Pneumatic connection, port 4 | G1/4                                       |
| Pneumatic connection, port 5 | G1/4                                       |
| Note on materials            | RoHS-compliant                             |
| Material seals               | NBR                                        |
| Material housing             | Die-cast aluminium                         |