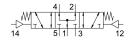
## Pneumatic valve VL-5/3B-1/8-B Part number: 31310







## **Data sheet**

| Feature                            | Value  |
|------------------------------------|--|
| Valve function                     | 5/3-way, pressurised   |
| Type of actuation                  | Pneumatic  |
| Construction width                 | 26 mm  |
| Standard nominal flow rate         | 1000 l/min   |
| pneumatic working port             | G1/8   |
| Operating pressure                 | -0.09 MPa1 MPa<br>-0.9 bar10 bar   |
| Design                             | Piston gate valve  |
| Type of reset                      | Mechanical spring  |
| Nominal size                       | 8 mm   |
| Grid dimension                     | 27 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   |
| lap                                | Positive overlap   |
| Pilot pressure                     | 0.3 MPa1 MPa<br>3 bar10 bar  |
| Max. switching frequency           | 3 Hz   |
| Switching time off                 | 14 ms  |
| Switching time on                  | 5 ms   |
| Switching time reversal            | 16 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 °C60 °C  |
| Media temperature                  | -10 °C60 °C  |

| Feature                      | Value                                      |
|------------------------------|--|
| Pilot medium                 | Compressed air to ISO 8573-1:2010 [7:4:4]  |
| Ambient temperature          | -10 °C60 °C                                |
| Product weight               | 320 g                                      |
| Type of mounting             | Either:<br>On PR rail<br>With through-hole |
| Pilot exhaust port 82        | M5   |
| Pilot air port 12            | G1/8                                       |
| Pilot air port 14            | G1/8                                       |
| Pneumatic connection, port 1 | G1/8                                       |
| Pneumatic connection, port 2 | G1/8                                       |
| Pneumatic connection, port 3 | G1/8                                       |
| Pneumatic connection, port 4 | G1/8                                       |
| Pneumatic connection, port 5 | G1/8                                       |
| Note on materials            | RoHS-compliant                             |
| Material seals               | NBR  |
| Material housing             | Die-cast aluminium                         |