

Pneumatic valve VL-5/3E-1/4-B

Part number: 14297

FESTO



[PDF](#) General operating condition

Data sheet

| Feature | Value |
|---|--|
| Valve function | 5/3 exhausted |
| Type of actuation | Pneumatic |
| Construction width | 32 mm |
| Standard nominal flow rate (standardised to DIN 1343) | 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 | Can be throttled |
| Sealing principle | Soft |
| Mounting position | Any |
| Manual override | None |
| Type of piloting | Direct |
| Pilot air supply | External |
| Flow direction | Reversible |
| Symbol | 00991021 |
| 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 | 35 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 | On PR rail 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 |