

Pneumatic valve VL-5/2-D-2-FR-C

Part number: 151844

FESTO



[PDF](#) General operating condition

Data sheet

| Feature | Value |
|-------------------------------------------------------|--------------------------------------------------------------------------------------------|
| Valve function | 5/2-way, single solenoid |
| Type of actuation | Pneumatic |
| Construction width | 54 mm |
| Standard nominal flow rate (standardised to DIN 1343) | 2300 l/min |
| pneumatic working port | Sub-base size 2 to ISO 5599-1 G3/8 |
| Operating pressure | -0.09 MPa ... 1.6 MPa |
| Operating pressure | -0.9 bar ... 16 bar |
| Design | Piston gate valve |
| Type of reset | Mechanical spring |
| Approval | UL – Recognized (OL) |
| Nominal size | 11.5 mm |
| Grid dimension | 56 mm |
| Exhaust-air function | Can be throttled |
| Sealing principle | Soft |
| Mounting position | Any |
| Conforms to standard | ISO 5599-1 |
| Manual override | None |
| ISO code | 204 |
| Type of piloting | Direct |
| Flow direction | Reversible |
| Symbol | 00991029 |
| lap | Overlap |
| Pilot pressure | 0.3 MPa ... 1.6 MPa |
| Pilot pressure | 3 bar ... 16 bar |
| Switching time off | 39 ms |
| Switching time on | 11 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) |
| Vibration resistance | Transport application test with severity level 1 to FN 942017-4 and EN 60068-2-6 |
| Shock resistance | Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27 |
| LABS (PWIS) conformity | VDMA24364-B1/B2-L |
| Media temperature | -10 °C ... 60 °C |
| Sound pressure level | 85 dB(A) |

| Feature | Value |
|------------------------------|-------------------------------------------|
| Pilot medium | Compressed air to ISO 8573-1:2010 [7:4:4] |
| Ambient temperature | -10 °C ... 60 °C |
| Product weight | 550 g |
| Type of mounting | On sub-base Via through-hole and screw |
| Pilot air port 14 | Sub-base size 2 to ISO 5599-1 |
| Pneumatic connection, port 1 | Sub-base size 2 to ISO 5599-1 |
| Pneumatic connection, port 2 | Sub-base size 2 to ISO 5599-1 |
| Pneumatic connection, port 3 | Sub-base size 2 to ISO 5599-1 |
| Pneumatic connection, port 4 | Sub-base size 2 to ISO 5599-1 |
| Pneumatic connection, port 5 | Sub-base size 2 to ISO 5599-1 |
| Note on materials | RoHS compliant |
| Material seals | HNBR NBR |
| Material housing | Die-cast aluminium |