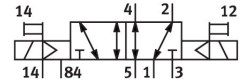
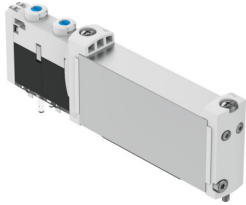


# Solenoid valve VUVG-B14-B52-ZT-F-1T1L

FESTO

Part number: 573484



[PDF](#) General operating condition

## Data sheet

| Feature   | Value  |
|---|--|
| Valve function  | 5/2 bistable   |
| Type of actuation                                     | Electric   |
| Valve size  | 14 mm  |
| Standard nominal flow rate (standardised to DIN 1343) | 510 l/min  |
| pneumatic working port                                | Flange   |
| Operating voltage                                     | 24V DC   |
| Operating pressure                                    | -0.09 MPa ... 1 MPa  |
| Operating pressure                                    | -0.9 bar ... 10 bar  |
| Design  | Piston gate valve  |
| Approval  | c UL us - Recognized (OL)  |
| Degree of protection                                  | IP65<br>IP67   |
| Exhaust-air function                                  | With flow control option   |
| Sealing principle                                     | Soft   |
| Mounting position                                     | optional   |
| Manual override                                       | Detenting<br>Non-detenting   |
| Type of piloting                                      | Pilot actuated   |
| Pilot air supply                                      | External   |
| Flow direction  | Reversible   |
| Symbol  | 00991125   |
| lap   | Overlap  |
| Signal status display                                 | LED  |
| Pilot pressure  | 0.15 MPa ... 0.8 MPa   |
| Pilot pressure  | 1.5 bar ... 8 bar  |
| Max. switching frequency                              | 3 Hz   |
| Switching time reversal                               | 9 ms   |
| Duty cycle  | 100%   |
| Max. positive test pulse with 0 signal                | 1600 µs  |
| Max. negative test pulse with 1 signal                | 3000 µs  |
| Characteristic coil data                              | 22 V DC: 1.0 W   |
| Permissible voltage fluctuations                      | +/- 10 %   |
| 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 2 to FN 942017-4 and EN 60068-2-6           |

| <b>Feature</b>                 | <b>Value</b>  |
|--------------------------------|---|
| Shock resistance               | Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27 |
| Corrosion resistance class CRC | 2 - Moderate corrosion stress                                     |
| LABS (PWIS) conformity         | VDMA24364-B1/B2-L   |
| Media temperature              | -5 °C ... 60 °C   |
| Pilot medium                   | Compressed air to ISO 8573-1:2010 [7:4:4]                         |
| Ambient temperature            | -5 °C ... 60 °C   |
| Product weight                 | 98 g  |
| Electrical connection          | Via sub-base  |
| Type of mounting               | On manifold rail  |
| Note on materials              | RoHS-compliant  |
| Material seals                 | HNBR<br>NBR   |
| Material housing               | Wrought aluminium alloy   |