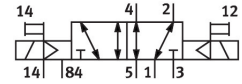
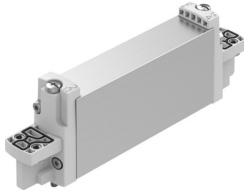


# Solenoid valve VUVG-B18-B52-Z-F-P1

Part number: 8033567

FESTO



General operating condition

## Data sheet

| Feature                                               | Value                                                                                      |
|-------------------------------------------------------|--------------------------------------------------------------------------------------------|
| Valve function                                        | 5/2 double solenoid                                                                        |
| Type of actuation                                     | Electric                                                                                   |
| Valve size                                            | 18 mm                                                                                      |
| Standard nominal flow rate (standardised to DIN 1343) | 1000 l/min                                                                                 |
| pneumatic working port                                | Flange                                                                                     |
| Operating pressure                                    | -0.09 MPa ... 1 MPa                                                                        |
| Operating pressure                                    | -0.9 bar ... 10 bar                                                                        |
| Design                                                | Piston gate valve                                                                          |
| Type of reset                                         | Mechanical spring                                                                          |
| Approval                                              | c UL us - Recognized (OL)                                                                  |
| Certificate issuing authority                         | UL MH19482                                                                                 |
| Degree of protection                                  | IP65<br>With electric pilot valve and plug socket                                          |
| Nominal size                                          | 7.3 mm                                                                                     |
| Exhaust-air function                                  | With flow control option                                                                   |
| Sealing principle                                     | Soft                                                                                       |
| Mounting position                                     | optional                                                                                   |
| Type of piloting                                      | Pilot actuated                                                                             |
| Pilot air supply                                      | External                                                                                   |
| Symbol                                                | 00991125                                                                                   |
| lap                                                   | Overlap                                                                                    |
| Pilot pressure                                        | 0.15 MPa ... 0.8 MPa                                                                       |
| Pilot pressure                                        | 1.5 bar ... 8 bar                                                                          |
| Switching time reversal                               | 12 ms                                                                                      |
| Duty cycle                                            | 100%                                                                                       |
| Max. positive test pulse with 0 signal                | 700 µs                                                                                     |
| Max. negative test pulse with 1 signal                | 900 µs                                                                                     |
| 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           |
| 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                                                                          |
| Cleanroom class                                       | Class 5 according to ISO 14644-1                                                           |

| Feature                 | Value                    |
|-------------------------|--------------------------|
| Media temperature       | -5 °C ... 60 °C          |
| Ambient temperature     | -5 °C ... 60 °C          |
| Product weight          | 140 g                    |
| Electrical connection   | Via electric pilot valve |
| Type of mounting        | On manifold rail         |
| Pilot control interface | To ISO 15218             |
| Note on materials       | RoHS-compliant           |
| Material seals          | HNBR<br>NBR              |
| Material housing        | Wrought aluminium alloy  |