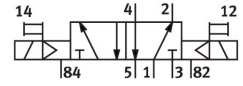


# Solenoid valve VUVS-L20-B52-D-G18-F7-1C1

Part number: 575265

**FESTO**



 General operating condition

## Data sheet

| Feature                                               | Value                                                                                      |
|-------------------------------------------------------|--------------------------------------------------------------------------------------------|
| Valve function                                        | 5/2-way, double solenoid                                                                   |
| Type of actuation                                     | Electrical                                                                                 |
| Valve size                                            | 21 mm                                                                                      |
| Standard nominal flow rate (standardised to DIN 1343) | 700 l/min                                                                                  |
| pneumatic working port                                | G1/8                                                                                       |
| Operating voltage                                     | 24 V DC                                                                                    |
| Operating pressure                                    | 0.15 MPa ... 1 MPa                                                                         |
| Operating pressure                                    | 1.5 bar ... 10 bar                                                                         |
| Design                                                | Piston gate valve                                                                          |
| Approval                                              | c UL us - Recognised (Oil)                                                                 |
| Degree of protection                                  | IP65<br>With plug socket<br>To IEC 60529                                                   |
| Nominal size                                          | 5.7 mm                                                                                     |
| Exhaust-air function                                  | Can be throttled                                                                           |
| Sealing principle                                     | Soft                                                                                       |
| Mounting position                                     | Any                                                                                        |
| Manual override                                       | Detenting<br>Non-detenting                                                                 |
| Type of piloting                                      | Piloted                                                                                    |
| Pilot air supply                                      | Internal                                                                                   |
| Flow direction                                        | Non-reversible                                                                             |
| Symbol                                                | 00991013                                                                                   |
| lap                                                   | Overlap                                                                                    |
| b value                                               | 0.35                                                                                       |
| C value                                               | 2.9 l/sbar                                                                                 |
| Switching time reversal                               | 10 ms                                                                                      |
| Duty cycle                                            | 100%                                                                                       |
| Max. positive test pulse with 0 signal                | 1900 µs                                                                                    |
| Max. negative test pulse with 1 signal                | 2700 µs                                                                                    |
| Characteristic coil data                              | 24 V DC: 2.6 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           |

| Feature                                                   | Value                                                             |
|-----------------------------------------------------------|-------------------------------------------------------------------|
| 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 suitability, measured according to ISO 14644-14 | Class 6 according to ISO 14644-1                                  |
| Media temperature                                         | -10 °C ... 60 °C                                                  |
| Pilot medium                                              | Compressed air to ISO 8573-1:2010 [7:4:4]                         |
| Ambient temperature                                       | -10 °C ... 60 °C                                                  |
| Product weight                                            | 259 g                                                             |
| Electrical connection                                     | Type C<br>To EN 175301-803                                        |
| Type of mounting                                          | On manifold rail<br>With through-hole                             |
| Breather connection                                       | Not ducted                                                        |
| Pilot exhaust port 82                                     | M5                                                                |
| Pilot exhaust port 84                                     | M5                                                                |
| 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                                            | HNBR<br>NBR                                                       |
| Material housing                                          | Die-cast aluminium<br>painted                                     |
| Material piston slide                                     | Wrought aluminium alloy                                           |
| Material screws                                           | Galvanised steel                                                  |