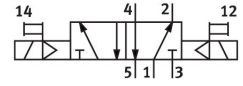
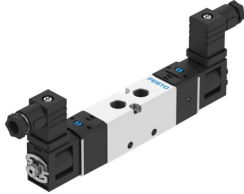


# Solenoid valve VUVS-LK20-B52-D-G18-1C1+GL-S

Part number: 8060301

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) | 550 l/min                                                                                  |
| pneumatic working port                                | G1/8                                                                                       |
| Operating voltage                                     | 24 V DC                                                                                    |
| Operating pressure                                    | 0.15 MPa ... 0.8 MPa                                                                       |
| Operating pressure                                    | 1.5 bar ... 8 bar                                                                          |
| Design                                                | Piston gate valve                                                                          |
| Degree of protection                                  | IP65<br>With plug socket<br>To IEC 60529                                                   |
| Nominal size                                          | 5.2 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                                                | 00991005                                                                                   |
| lap                                                   | Overlap                                                                                    |
| b value                                               | 0.38                                                                                       |
| C value                                               | 2.66 l/sbar                                                                                |
| Switching time reversal                               | 10 ms                                                                                      |
| Duty cycle                                            | 100%                                                                                       |
| Max. positive test pulse with 0 signal                | 2700 µs                                                                                    |
| Max. negative test pulse with 1 signal                | 1100 µs                                                                                    |
| Characteristic coil data                              | 24 V DC: 2.4 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           |
| Shock resistance                                      | Shock test with severity level 1 to FN 942017-5 and EN 60068-2-27                          |

| Feature                         | Value                                        |
|---------------------------------|----------------------------------------------|
| Corrosion resistance class CRC  | 1 - Low corrosion stress                     |
| LABS (PWIS) conformity          | VDMA24364 zone III                           |
| Media temperature               | -5 °C ... 50 °C                              |
| Pilot medium                    | Compressed air to ISO 8573-1:2010 [7:4:4]    |
| Ambient temperature             | -5 °C ... 50 °C                              |
| Product weight                  | 226 g                                        |
| Electrical connection           | Screw terminal                               |
| Cable diameter                  | 4 mm ... 6 mm                                |
| Nominal cross section conductor | 0.34 mm <sup>2</sup> ... 0.5 mm <sup>2</sup> |
| Type of mounting                | On manifold rail<br>With through-hole        |
| Breather connection             | Not ducted                                   |
| 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                | Wrought aluminium alloy                      |
| Material piston slide           | Wrought aluminium alloy                      |