

# solenoid valve

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

Part number: 575265

FESTO



## Data sheet

| Feature                                 | Value  |
|---|--|
| Valve function                          | 5/2 bistable   |
| Type of actuation                       | electrical   |
| Valve size                              | 21 mm  |
| Standard nominal flow rate              | 700 l/min  |
| Operating pressure MPa                  | 0.15 ... 1 MPa   |
| Operating pressure                      | 1.5 ... 10 bar   |
| Design structure                        | Piston slide   |
| Authorisation                           | c UL us - Recognized (OL)  |
| Protection class                        | IP65<br>with plug socket<br>to IEC 60529   |
| Nominal size                            | 5.7 mm   |
| Exhaust-air function                    | throttleable   |
| Sealing principle                       | soft   |
| Assembly position                       | Any  |
| Manual override                         | detenting<br>Pushing   |
| Type of piloting                        | Piloted  |
| Pilot air supply                        | Internal   |
| Flow direction                          | non reversible   |
| Overlap                                 | Positive overlap   |
| b value                                 | 0.35   |
| C value                                 | 2.9 l/sbar   |
| Switching time reversal                 | 10 ms  |
| Duty cycle                              | 100 %  |
| Max. positive test pulse with logic 0   | 1,900 µs   |
| Max. negative test pulse with logic 1   | 2,700 µs   |
| Characteristic coil data                | 24 V DC: 2.6 W   |
| Permissible voltage fluctuation         | +/- 10 %   |
| Operating medium                        | Compressed air in accordance with ISO8573-1:2010 [7:4:4]                                       |
| Note on operating and pilot medium      | Lubricated operation possible (subsequently required for further operation)                    |
| Vibration resistance                    | Transport application test at severity level 2 in accordance with FN 942017-4 and EN 60068-2-6 |
| Shock resistance                        | Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27              |
| Corrosion resistance classification CRC | 2 - Moderate corrosion stress  |
| PWIS conformity                         | VDMA24364-B1/B2-L  |
| Medium temperature                      | -10 ... 60 °C  |
| Pilot medium                            | Compressed air in accordance with ISO8573-1:2010 [7:4:4]                                       |
| Ambient temperature                     | -10 ... 60 °C  |
| Product weight                          | 259 g  |
| Electrical connection                   | Plug pattern type C to EN 175301-803<br>to EN 175301-803                                       |
| Mounting type                           | on manifold rail<br>with through hole  |

| Feature                       | Value                         |
|-------------------------------|-------------------------------|
|                               | Optional                      |
| Scavenging orifice connection | Non-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                          |
| Materials note                | Conforms to RoHS              |
| Material seals                | HNBR<br>NBR                   |
| Material housing              | Aluminium die cast<br>Painted |
| Material Piston slide         | Wrought Aluminium alloy       |
| Material screws               | Galvanised steel              |