

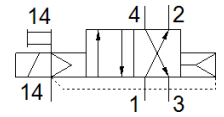
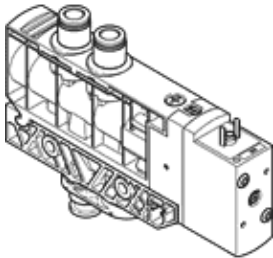
# solenoid valve

## VUVB-L-M42-AZD-Q8-1C1

Part number: 537481

FESTO

With solenoid coil and manual override, without plug socket.  
This type is suitable for vacuum.



## Data sheet

| Feature                                 | Value   |
|---|---|
| Valve function                          | 4/2 monostable  |
| Type of actuation                       | electrical  |
| Valve size                              | 20 mm   |
| Standard nominal flow rate              | 800 l/min   |
| Operating pressure                      | -0.9 ... 8 bar  |
| Design structure                        | Piston slide  |
| Type of reset                           | Air spring  |
| Protection class                        | IP65  |
| Nominal size                            | 7 mm  |
| Exhaust-air function                    | not throttleable  |
| Sealing principle                       | soft  |
| Assembly position                       | Any   |
| Manual override                         | detenting<br>Pushing  |
| Type of piloting                        | Piloted   |
| Pilot air supply                        | external  |
| Flow direction                          | non reversible  |
| Pilot pressure                          | 2 ... 8 bar   |
| Switching time off                      | 25 ms   |
| Switching time on                       | 25 ms   |
| Characteristic coil data                | 24 V DC: 1.5 W  |
| Surge strength                          | 0.8 kV  |
| Degree of contamination                 | 3   |
| 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) |
| Corrosion resistance classification CRC | 1   |
| Storage temperature                     | -20 ... 40 °C   |
| Medium temperature                      | -5 ... 50 °C  |
| Ambient temperature                     | -5 ... 50 °C  |
| Max. tightening torque, valve mounting  | 2 Nm  |
| Max. tightening torque, wall mounting   | 3 Nm  |
| Product weight                          | 170 g   |
| Electrical connection                   | Plug<br>to EN 175301-803<br>Design C  |
| Mounting type                           | with through hole   |
| Auxiliary pilot air port 12/14          | M5  |
| Pilot exhaust port 84                   | Non-ducted  |
| Pneumatic connection, port 1            | QS-8  |
| Pneumatic connection, port 2            | QS-8  |
| Pneumatic connection, port 3            | G1/4  |

| <b>Feature</b>                     | <b>Value</b>                                |
|------------------------------------|---|
| Pneumatic connection, port 4       | QS-8  |
| Materials note                     | Free of copper and PTFE<br>Conforms to RoHS |
| Materials information for sub-base | PA-reinforced                               |
| Materials information for seals    | FPM<br>HNBR<br>NBR                          |
| Materials information, housing     | PA-reinforced                               |
| Material information, piston spool | Wrought Aluminium alloy                     |