

# Solenoid valve

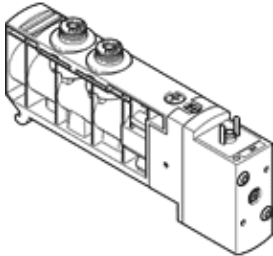
## VUVB-S-M42-AZD-Q6-2AC1

Part number: 537579

FESTO

For connection plate or terminal strip, with solenoid coil and manual override, without 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                | 500 l/min   |
| Working 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                  | 110 V AC: 50/60 Hz, pick-up power 3.1 VA, holding power 2.2 VA              |
| Surge strength                            | 2.5 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) |
| CE symbol (see declaration of conformity) | according to EU low voltage guideline                                       |
| 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  |
| Product weight                            | 150 g   |
| Electrical connection                     | Plug<br>to EN 175301-803<br>Design C  |
| Mounting type                             | with through hole   |
| Auxiliary pilot air port 12/14            | Subbase   |
| Pilot exhaust port 84                     | Non-ducted  |
| Pneumatic connection, port 1              | Subbase   |
| Pneumatic connection, port 2              | QS-6  |

| Feature                            | Value                  |
|------------------------------------|------------------------|
| Pneumatic connection, port 3       | Subbase                |
| Pneumatic connection, port 4       | QS-6                   |
| Materials note                     | Conforms to RoHS       |
| Materials information for seals    | FPM<br>HNBR<br>NBR     |
| Materials information, housing     | PA-reinforced          |
| Material information, piston spool | Wrought Aluminum alloy |