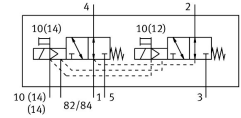
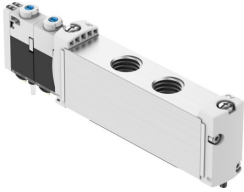


# Air solenoid valve VUVG-S18-T32U-MZT-G14-1T1L

Part number: 8004877

**FESTO**



## Data sheet

| Feature                                           | Value                                  |
|---------------------------------------------------|----------------------------------------|
| Valve function                                    | 2x3/2 open monostable                  |
| Actuation type                                    | Electrical                             |
| Valve size                                        | 18 mm                                  |
| Normal nominal flow rate (normalized to DIN 1343) | 900 l/min                              |
| Pneumatic working port                            | G1/4                                   |
| Operating voltage                                 | 24V DC                                 |
| Operating pressure                                | -0.09 MPa...1 MPa<br>-0.9 bar...10 bar |
| Structural design                                 | Piston gate valve                      |
| Reset method                                      | Mechanical spring                      |
| Certification                                     | c UL us - recognized (OL)              |
| Degree of protection                              | IP65<br>IP67                           |
| Exhaust air function                              | Adjustable                             |
| Sealing principle                                 | Soft                                   |
| Mounting position                                 | Any                                    |
| Manual override                                   | Detenting<br>Non-detenting             |
| Type of control                                   | Piloted                                |
| Pilot air supply port                             | External                               |
| Flow direction                                    | Reversible                             |
| Lap                                               | Positive overlap                       |
| Signal status display                             | LED                                    |
| Pilot pressure MPa                                | 0.2 MPa...0.8 MPa                      |
| Pilot pressure                                    | 2 bar...8 bar                          |
| Max. switching frequency                          | 3 Hz                                   |
| Switching time off                                | 33 ms                                  |
| On switching time                                 | 25 ms                                  |
| Duty cycle                                        | 100%                                   |
| Max. positive test pulse with 0 signal            | 1600 µs                                |
| Max. negative test pulse on 1 signal              | 3000 µs                                |
| Coil characteristics                              | 22 V DC: 1.0 W                         |

| Feature                                  | Value                                                                                |
|------------------------------------------|--------------------------------------------------------------------------------------|
| Permissible voltage fluctuations         | +/- 10%                                                                              |
| Operating medium                         | Compressed air as per ISO 8573-1:2010 [7:4:4]                                        |
| Information on operating and pilot media | Operation with oil lubrication possible (required for further use)                   |
| Vibration resistance                     | Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6 |
| Shock resistance                         | Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27                |
| Corrosion resistance class (CRC)         | 2 - Moderate corrosion stress                                                        |
| LABS (PWIS) conformity                   | VDMA24364-B1/B2-L                                                                    |
| Temperature of medium                    | -5 °C...60 °C                                                                        |
| Pilot medium                             | Compressed air as per ISO 8573-1:2010 [7:4:4]                                        |
| Ambient temperature                      | -5 °C...60 °C                                                                        |
| Product weight                           | 147 g                                                                                |
| Electrical connection                    | Via sub-base                                                                         |
| Type of mounting                         | On terminal strip                                                                    |
| Pneumatic connection 2                   | G1/4                                                                                 |
| Pneumatic connection 4                   | G1/4                                                                                 |
| Note on materials                        | RoHS compliant                                                                       |
| Seals material                           | HNBR<br>NBR                                                                          |
| Housing material                         | Wrought aluminum alloy                                                               |