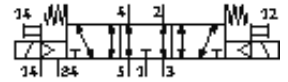
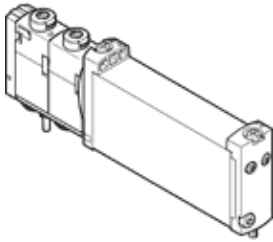


# solenoid valve

## VUVG-B14-P53E-ZT-F-1T1L-EX2C

Part number: 8041968

FESTO



## Data sheet

| Feature                                 | Value  |
|---|--|
| Valve function                          | 5/3 exhausted  |
| Type of actuation                       | electrical   |
| Valve size                              | 14 mm  |
| Standard nominal flow rate              | 470 l/min  |
| Operating pressure MPa                  | -0.09 ... 1 MPa  |
| Operating pressure                      | -0.9 ... 10 bar  |
| Design structure                        | Piston slide   |
| Type of reset                           | mechanical spring  |
| Authorisation                           | c UL us - Recognized (OL)  |
| Protection class                        | IP65<br>IP67   |
| Exhaust-air function                    | throttleable   |
| Sealing principle                       | soft   |
| Assembly position                       | Any  |
| Manual override                         | detenting<br>Pushing   |
| Type of piloting                        | Piloted  |
| Pilot air supply                        | external   |
| Flow direction                          | reversible   |
| Overlap                                 | Positive overlap   |
| Signal status display                   | LED  |
| Pilot pressure MPa                      | 0.3 ... 0.8 MPa  |
| Pilot pressure                          | 3 ... 8 bar  |
| Max. switching frequency                | 3 Hz   |
| Switching time off                      | 42 ms  |
| Switching time on                       | 15 ms  |
| Switching time reversal                 | 25 ms  |
| Duty cycle                              | 100 %  |
| Max. positive test pulse with logic 0   | 1,600 µs   |
| Max. negative test pulse with logic 1   | 3,000 µs   |
| Characteristic coil data                | 22 V DC: 1 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-B2-L   |
| Medium temperature                      | -5 ... 60 °C   |
| Pilot medium                            | Compressed air in accordance with ISO8573-1:2010 [7:4:4]                                       |
| Ambient temperature                     | -5 ... 60 °C   |
| Product weight                          | 95 g   |
| Electrical connection                   | via manifold block   |

| Feature          | Value                   |
|------------------|-------------------------|
| Mounting type    | on manifold rail        |
| Materials note   | Conforms to RoHS        |
| Material seals   | HNBR<br>NBR             |
| Material housing | Wrought Aluminium alloy |