

# Air solenoid valve

## VZWF-B-L-M22C-N14-135-E-1P4-10-R1

Part number: 1492182

**FESTO**



### Data sheet

| Feature                          | Value                                                                                                                               |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Structural design                | Diaphragm valve<br>Force pilot operated                                                                                             |
| Actuation type                   | Electrical                                                                                                                          |
| Sealing principle                | Soft                                                                                                                                |
| Mounting position                | Magnet, upright                                                                                                                     |
| Type of mounting                 | Line installation                                                                                                                   |
| Fitting connection               | 1/4 NPT                                                                                                                             |
| Electrical connection            | Form A<br>Plug<br>as per EN 175301-803<br>Rectangular design                                                                        |
| Nominal width                    | 13.5 mm                                                                                                                             |
| Valve function                   | 2/2, closed, monostable                                                                                                             |
| Manual override                  | None                                                                                                                                |
| Flow direction                   | Non-reversible                                                                                                                      |
| Medium                           | Compressed air as per ISO 8573-1:2010 [7:--]<br>Inert gas<br>Mineral oil<br>Water<br>Neutral liquids<br>Other flow media on request |
| Nominal pressure of fitting PN   | 40                                                                                                                                  |
| Pressure difference              | 0 MPa<br>0 psi                                                                                                                      |
| Differential pressure            | 0 bar                                                                                                                               |
| Coil characteristics             | 24 V DC: 11.0 W                                                                                                                     |
| Permissible voltage fluctuations | +/- 10 %                                                                                                                            |
| Medium pressure                  | 0 MPa...1 MPa<br>0 bar...10 bar<br>0 psi...145 psi                                                                                  |

| Feature                          | Value                      |
|----------------------------------|----------------------------|
| Max. viscosity                   | 22 mm <sup>2</sup> /s      |
| Temperature of medium            | -10 °C...80 °C             |
| Ambient temperature              | -10 °C...35 °C             |
| Leak rate to EN 12266-1          | A                          |
| Flow rate Kv                     | 1.8 m <sup>3</sup> /h      |
| Standard nominal flow rate       | 1920 l/min                 |
| On switching time                | 130 ms                     |
| Switching time off               | 180 ms                     |
| Note on materials                | RoHS-compliant             |
| LABS (PWIS) conformity           | VDMA24364 zone III         |
| Housing material                 | Cast stainless steel       |
| Material number of housing       | 1.4581                     |
| Seals material                   | EPDM                       |
| Material of screws               | High-alloy stainless steel |
| Material number of screw         | 1.4301                     |
| Product weight                   | 1000 g                     |
| Degree of protection             | IP65                       |
| Corrosion resistance class (CRC) | 3 - High corrosion stress  |