

# Solenoid valve

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

Part number: 1492182

**FESTO**



## Data sheet

| Feature                          | Value                                                                                                                       |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Design                           | Diaphragm valve<br>Force pilot operated                                                                                     |
| Type of actuation                | Electrical                                                                                                                  |
| Sealing principle                | Soft                                                                                                                        |
| Mounting position                | Magnet upright                                                                                                              |
| Type of mounting                 | Inline installation                                                                                                         |
| Connection Process valve         | 1/4 NPT                                                                                                                     |
| Electrical connection            | Type A<br>Plug<br>To EN 175301-803<br>Square design                                                                         |
| Nominal size                     | 13.5 mm                                                                                                                     |
| Valve function                   | 2/2-way, single solenoid, closed                                                                                            |
| Manual override                  | None                                                                                                                        |
| Flow direction                   | Non-reversible                                                                                                              |
| Medium                           | Compressed air to ISO 8573-1:2010 [7:::]<br>Inert gases<br>Mineral oil<br>Water<br>Neutral fluids<br>Other media on request |
| Nominal pressure PN              | 40                                                                                                                          |
| Pressure difference              | 0 MPa<br>0 bar<br>0 psi                                                                                                     |
| Characteristic coil data         | 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      |
| Media temperature                                     | -10 °C...80 °C             |
| Ambient temperature                                   | -10 °C...35 °C             |
| Leakage rate to EN 12266-1                            | A                          |
| Flow rate Kv                                          | 1.8 m <sup>3</sup> /h      |
| Standard nominal flow rate (standardised to DIN 1343) | 1920 l/min                 |
| Switching time on                                     | 130 ms                     |
| Switching time off                                    | 180 ms                     |
| Note on materials                                     | RoHS compliant             |
| LABS (PWIS) conformity                                | VDMA24364 zone III         |
| Material housing                                      | Cast stainless steel       |
| Material number housing                               | 1,4581                     |
| Material seals                                        | EPDM                       |
| Material screws                                       | High-alloy stainless steel |
| Material number screw                                 | 1,4301                     |
| Product weight                                        | 1000 g                     |
| Degree of protection                                  | IP65                       |
| Corrosion resistance class CRC                        | 3 - high corrosion stress  |