

# Solenoid valve

## VZWF-L-M22C-N2-500-1P4-6-R1

Part number: 1492173

**FESTO**



## Data sheet

| Feature                          | Value                                                                                                                       |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Design                           | Diaphragm valve<br>Force pilot operated                                                                                     |
| Type of actuation                | Electric                                                                                                                    |
| Sealing principle                | Soft                                                                                                                        |
| Mounting position                | Solenoid vertical                                                                                                           |
| Type of mounting                 | In-line installation                                                                                                        |
| Connection Process valve         | 2 NPT                                                                                                                       |
| Electrical connection            | Type A<br>Plugs<br>To EN 175301-803<br>Square design                                                                        |
| Nominal size                     | 50 mm                                                                                                                       |
| Valve function                   | 2/2-way, closed, monostable                                                                                                 |
| 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: 30.0 W                                                                                                             |
| Permissible voltage fluctuations | +/- 10 %                                                                                                                    |
| Medium pressure                  | 0 MPa...0.6 MPa<br>0 bar...6 bar<br>0 psi...87 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                                          | 28 m <sup>3</sup> /h                               |
| Standard nominal flow rate (standardised to DIN 1343) | 29900 l/min                                        |
| Switching time on                                     | 1220 ms                                            |
| Switching time off                                    | 2140 ms                                            |
| Note on materials                                     | RoHS-compliant                                     |
| LABS (PWIS) conformity                                | VDMA24364 zone III                                 |
| Material housing                                      | Stainless steel casting                            |
| Material number housing                               | 1.4581                                             |
| Material seals                                        | NBR                                                |
| Material screws                                       | High-alloy stainless steel                         |
| Material number screw                                 | 1.4301                                             |
| Product weight                                        | 6500 g                                             |
| CE mark (see declaration of conformity)               | In accordance with EU Pressure Equipment Directive |
| Degree of protection                                  | IP65                                               |
| Corrosion resistance class CRC                        | 3 - high corrosion stress                          |