

# Solenoid valve

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

Part number: 1492166

FESTO

force pilot operated, NPT1/4" connection.



## Data sheet

| Feature                                 | Value   |
|---|---|
| Design structure                        | Diaphragm valve<br>forced   |
| Type of actuation                       | electrical  |
| Sealing principle                       | soft  |
| Assembly position                       | Magnet standing   |
| Mounting type                           | Line installation   |
| Process valve connection                | 1/4 NPT   |
| Electrical connection                   | Plug pattern type A to EN 175301-803<br>Plug<br>to EN 175301-803<br>Cubic design  |
| Nominal size                            | 13.5 mm   |
| Valve function                          | 2/2 closed, monostable  |
| Manual override                         | None  |
| Flow direction                          | non reversible  |
| Medium                                  | Compressed air in accordance with ISO8573-1:2010 [7:-:-]<br>Inert gases<br>Mineral oil<br>Water<br>Neutral fluids<br>Other media on request |
| Nominal pressure of process valve       | 40  |
| Differential pressure (MPa)             | 0 MPa   |
| Differential pressure                   | 0 bar   |
| Differential pressure (psi)             | 0 psi   |
| Characteristic coil data                | 24 V DC: 11 W   |
| Permissible voltage fluctuation         | +/- 10 %  |
| Pressure of medium                      | 0 ... 1 MPa   |
| Medium pressure                         | 0 ... 10 bar  |
| Pressure of medium psi                  | 0 ... 145 psi   |
| Max. viscosity                          | 22 mm <sup>2</sup> /s   |
| Medium temperature                      | -10 ... 80 °C   |
| Ambient temperature                     | -10 ... 35 °C   |
| Leak rate in accordance with EN 12266-1 | A   |
| Flow rate Kv                            | 1.8 m <sup>3</sup> /h   |
| Standard nominal flow rate              | 1,920 l/min   |
| Switching time on                       | 130 ms  |
| Switching time off                      | 180 ms  |
| Materials note                          | Conforms to RoHS  |
| PWIS conformity                         | VDMA24364 zone III  |
| Material housing                        | Stainless steel casting   |
| Material number for housing             | 1.4581  |
| Material seals                          | NBR   |
| Material screws                         | High alloy steel, non-corrosive   |
| Material number, screw                  | 1.4301  |
| Product weight                          | 1,000 g   |
| Protection class                        | IP65  |
| Corrosion resistance classification CRC | 3 - High corrosion stress   |