

# solenoid valve

## VZWF-B-L-M22C-N38-135-1P4-10-R1

Part number: 1492167

FESTO

force pilot operated, NPT3/8" 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                | 3/8 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                   | 0 bar                                                                                                                                       |
| Characteristic coil data                | 24 V DC: 11 W                                                                                                                               |
| Permissible voltage fluctuation         | +/- 10 %                                                                                                                                    |
| Medium pressure                         | 0 ... 10 bar                                                                                                                                |
| 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                            | 2.2 m <sup>3</sup> /h                                                                                                                       |
| Standard nominal flow rate              | 2,350 l/min                                                                                                                                 |
| Switching time on                       | 130 ms                                                                                                                                      |
| Switching time off                      | 180 ms                                                                                                                                      |
| Materials note                          | Contains PWIS substances<br>Conforms to RoHS                                                                                                |
| 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                                                                                                                   |