

# Air solenoid valve

## VZWF-L-M22C-N112-400-1P4-10-R1

Part number: 1492172

**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 1/2 NPT                                                                                                                           |
| Electrical connection            | Form A<br>Plug<br>as per EN 175301-803<br>Rectangular design                                                                        |
| Nominal width                    | 40 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: 30.0 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                               | 22.5 m <sup>3</sup> /h                 |
| Standard nominal flow rate                 | 23500 l/min                            |
| On switching time                          | 620 ms                                 |
| Switching time off                         | 1140 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                             | NBR                                    |
| Material of screws                         | High-alloy stainless steel             |
| Material number of screw                   | 1.4301                                 |
| Product weight                             | 4500 g                                 |
| CE marking (see declaration of conformity) | as per EU pressure equipment directive |
| Degree of protection                       | IP65                                   |
| Corrosion resistance class (CRC)           | 3 - High corrosion stress              |