

# Air solenoid valve

## VZWF-B-L-M22C-G14-135-3AP4-10

Part number: 1492302

**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                 | In-line installation                                                                                                                |
| Fitting connection               | G1/4                                                                                                                                |
| Electrical connection            | Type A<br>Plug<br>As per EN 175301-803<br>Rectangular design                                                                        |
| Nominal width                    | 13.5 mm                                                                                                                             |
| Valve function                   | 2/2-way, 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             | 230 V AC: 50/60 Hz, initial power 18.0 VA, holding power 15.0 VA                                                                    |
| 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                                      | 1.8 m <sup>3</sup> /h                                                                             |
| Normal nominal flow rate (normalized to DIN 1343) | 1920 l/min                                                                                        |
| On switching time                                 | 130 ms                                                                                            |
| Switching time off                                | 180 ms                                                                                            |
| Note on materials                                 | RoHS compliant                                                                                    |
| LABS (PWIS) conformity                            | VDMA24364 Zone III                                                                                |
| Housing material                                  | Cast brass                                                                                        |
| Material number of housing                        | CW617N                                                                                            |
| Seals material                                    | NBR                                                                                               |
| Material of screws                                | high-alloy stainless steel                                                                        |
| Material number of screw                          | 1,4301                                                                                            |
| Product weight                                    | 1000 g                                                                                            |
| CE marking (see declaration of conformity)        | as per EU pressure equipment directive<br>As per EU low voltage directive                         |
| UKCA marking (see declaration of conformity)      | according to UK regulations for pressure equipment<br>To UK instructions for electrical equipment |
| Degree of protection                              | IP65                                                                                              |
| Corrosion resistance class (CRC)                  | 1 - Low corrosion stress                                                                          |