

# Air solenoid valve VZWF-B-L-M22C-N14-135-3AP4-10

Part number: 1492350

FESTO



 General operating condition

## Data sheet

| Feature                          | Value                                                                                                                                |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Structural design                | Force pilot operated                                                                                                                 |
| Actuation type                   | Electrical                                                                                                                           |
| Sealing principle                | Soft                                                                                                                                 |
| Mounting position                | Magnet, upright                                                                                                                      |
| Type of mounting                 | Line installation                                                                                                                    |
| Fitting connection               | 1/4 NPT                                                                                                                              |
| Electrical connection            | Form A<br>Plug<br>as per EN 175301-803<br>Rectangular design                                                                         |
| Nominal width                    | 13.5 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                                                                                                                                |
| Differential pressure            | 0 bar                                                                                                                                |
| Pressure difference              | 0 psi                                                                                                                                |
| Coil characteristics             | 230 V AC: 50/60 Hz, initial power 18.0 VA, holding power 15.0 VA                                                                     |
| Permissible voltage fluctuations | +/- 10 %                                                                                                                             |
| Symbol                           | 00992976                                                                                                                             |
| Medium pressure                  | 0 MPa ... 1 MPa                                                                                                                      |
| Medium pressure                  | 0 bar ... 10 bar                                                                                                                     |
| Medium pressure                  | 0 psi ... 145 psi                                                                                                                    |
| Max. viscosity                   | 22 mm <sup>2</sup> /s                                                                                                                |
| Temperature of medium            | -10 °C ... 80 °C                                                                                                                     |

| Feature                                      | Value                                                                                             |
|----------------------------------------------|---------------------------------------------------------------------------------------------------|
| Ambient temperature                          | -10 °C ... 35 °C                                                                                  |
| Leak rate to EN 12266-1                      | A                                                                                                 |
| Flow rate Kv                                 | 1.8 m³/h                                                                                          |
| Standard nominal flow rate                   | 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                                                                          |