

# Solenoid valve

## VZWD-B-L-M22C-M-N14-25-V-36-2A-A1-35

Part number: 8214441

**FESTO**



## Data sheet

| Feature                          | Value                                                                                                                                |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Structural design                | Directly actuated poppet valve                                                                                                       |
| Actuation type                   | Electrical                                                                                                                           |
| Sealing principle                | Soft                                                                                                                                 |
| Mounting position                | Any                                                                                                                                  |
| Type of mounting                 | In-line installation                                                                                                                 |
| Fitting connection               | 1/4 NPT                                                                                                                              |
| Electrical connection            | Type A<br>Plug<br>As per EN 175301-803<br>Rectangular design                                                                         |
| Nominal width                    | 2.5 mm                                                                                                                               |
| Valve function                   | 2/2-way, closed, monostable                                                                                                          |
| Manual override                  | None                                                                                                                                 |
| Flow direction                   | Non-reversible                                                                                                                       |
| Medium                           | Compressed air as per ISO 8573-1:2010 [7:4:4]<br>Inert gas<br>Mineral oil<br>Water<br>Neutral liquids<br>Other flow media on request |
| Pressure difference              | 0 MPa<br>0 psi                                                                                                                       |
| Differential pressure            | 0 bar                                                                                                                                |
| Coil characteristics             | 110 V AC: 50/60 Hz, pick-up power 40.0 VA, holding power 30.0 VA                                                                     |
| Insulation class                 | H                                                                                                                                    |
| Permissible voltage fluctuations | +15% / -10%                                                                                                                          |
| Duty cycle                       | 100%                                                                                                                                 |
| Reset method                     | Mechanical spring                                                                                                                    |
| Type of control                  | directly                                                                                                                             |

| Feature                                      | Value                                                                                                |
|----------------------------------------------|------------------------------------------------------------------------------------------------------|
| Medium pressure                              | 0 MPa...3.5 MPa<br>0 bar...35 bar<br>0 psi...507.5 psi                                               |
| Max. viscosity                               | 25 mm <sup>2</sup> /s                                                                                |
| Temperature of medium                        | -10 °C...140 °C                                                                                      |
| Ambient temperature                          | -10 °C...80 °C                                                                                       |
| Flow rate Kv                                 | 0.15 m <sup>3</sup> /h                                                                               |
| On switching time                            | 8 ms                                                                                                 |
| Switching time off                           | 25 ms                                                                                                |
| Note on materials                            | RoHS compliant                                                                                       |
| Housing material                             | Brass                                                                                                |
| Material number of housing                   | CW617N                                                                                               |
| Seals material                               | FPM                                                                                                  |
| Product weight                               | 380 g                                                                                                |
| CE marking (see declaration of conformity)   | As per EU EMC directive<br>As per EU low voltage directive<br>As per EU RoHS directive               |
| UKCA marking (see declaration of conformity) | To UK instructions for EMC<br>To UK RoHS instructions<br>To UK instructions for electrical equipment |
| Degree of protection                         | IP65                                                                                                 |
| Corrosion resistance class (CRC)             | 1 - Low corrosion stress                                                                             |