

# Air solenoid valve

## VZWP-L-M22C-N1-250-3AP4-40

Part number: 1489994

**FESTO**



## Data sheet

| Feature                          | Value                                                                                                        |
|----------------------------------|--------------------------------------------------------------------------------------------------------------|
| Structural design                | Pilot-controlled piston poppet valve                                                                         |
| Actuation type                   | Electrical                                                                                                   |
| Sealing principle                | Soft                                                                                                         |
| Mounting position                | Coil preferably on top                                                                                       |
| Type of mounting                 | Line installation                                                                                            |
| Fitting connection               | 1 NPT                                                                                                        |
| Electrical connection            | Form A<br>Plug<br>as per EN 175301-803<br>Rectangular design                                                 |
| Nominal width                    | 25 mm                                                                                                        |
| Valve function                   | 2/2, 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>Neutral liquids<br>Other flow media on request |
| Nominal pressure of fitting PN   | 40                                                                                                           |
| Pressure difference              | 0.05 MPa<br>7.25 psi                                                                                         |
| Differential pressure            | 0.5 bar                                                                                                      |
| Coil characteristics             | 230 V AC: 50/60 Hz, initial power 10.5 VA, holding power 7.6 VA                                              |
| Insulation class                 | H                                                                                                            |
| Permissible voltage fluctuations | +/- 10 %                                                                                                     |
| Duty cycle                       | 100%                                                                                                         |
| Type of control                  | Pilot-controlled                                                                                             |

| Feature                                      | Value                                                      |
|----------------------------------------------|------------------------------------------------------------|
| Medium pressure                              | 0.05 MPa...4 MPa<br>0.5 bar...40 bar<br>7.25 psi...580 psi |
| 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                                 | 11.5 m <sup>3</sup> /h                                     |
| Standard nominal flow rate                   | 12250 l/min                                                |
| On switching time                            | 130 ms                                                     |
| Switching time off                           | 300 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                               | 1400 g                                                     |
| CE marking (see declaration of conformity)   | As per EU low voltage directive                            |
| UKCA marking (see declaration of conformity) | To UK instructions for electrical equipment                |
| Degree of protection                         | IP65                                                       |
| Corrosion resistance class (CRC)             | 1 - Low corrosion stress                                   |