

# Air solenoid valve

## VZWP-L-M22C-N38-130-2AP4-40

Part number: 1489981

**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                 | In-line installation                                                                                         |
| Fitting connection               | 3/8 NPT                                                                                                      |
| Electrical connection            | Type A<br>Plug<br>As per EN 175301-803<br>Rectangular design                                                 |
| Nominal width                    | 13 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>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             | 110 V AC: 50/60 Hz, initial power 10.5 VA, holding power 8.0 VA                                              |
| Insulation class                 | H                                                                                                            |
| Permissible voltage fluctuations | +/- 10%                                                                                                      |
| Duty cycle                       | 100%                                                                                                         |
| Type of control                  | Piloted                                                                                                      |
| Medium pressure                  | 0.05 MPa...4 MPa                                                                                             |

| Feature                                           | Value                                       |
|---------------------------------------------------|---------------------------------------------|
|                                                   | 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                                      | 2 m <sup>3</sup> /h                         |
| Normal nominal flow rate (normalized to DIN 1343) | 2100 l/min                                  |
| On switching time                                 | 100 ms                                      |
| Switching time off                                | 250 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                                    | 575 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                    |