

# Air solenoid valve

## VZWP-L-M22C-N14-130-V-1P4-40

FESTO

Part number: 1489975



 General operating condition

## 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               | 1/4 NPT  |
| Electrical connection            | Plug<br>as per EN 175301-803<br>Rectangular design   |
| Nominal width                    | 13 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   |
| Differential pressure            | 0.5 bar  |
| Pressure difference              | 7.25 psi   |
| Coil characteristics             | 24 V DC: 6.8 W   |
| Insulation class                 | H  |
| Permissible voltage fluctuations | +/- 10 %   |
| Duty cycle                       | 100%   |
| Type of control                  | Pilot-controlled   |
| Symbol                           | 00992974   |
| Medium pressure                  | 0.05 MPa ... 4 MPa   |
| Medium pressure                  | 0.5 bar ... 40 bar   |
| Medium pressure                  | 7.25 psi ... 580 psi   |
| Max. viscosity                   | 22 mm <sup>2</sup> /s  |

| Feature   | Value                      |
|---|----------------------------|
| Temperature of medium                             | -10 °C ... 80 °C           |
| Ambient temperature                               | -10 °C ... 35 °C           |
| Leak rate to EN 12266-1                           | A                          |
| Flow rate Kv                                      | 1.5 m <sup>3</sup> /h      |
| Normal nominal flow rate (normalized to DIN 1343) | 1600 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                                    | FPM                        |
| Material of screws                                | High-alloy stainless steel |
| Material number of screw                          | 1.4301                     |
| Product weight                                    | 600 g                      |
| Degree of protection                              | IP65                       |
| Corrosion resistance class (CRC)                  | 1 - Low corrosion stress   |