

# Solenoid valve

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

Part number: 1489970

FESTO



 General operating condition

## Data sheet

| Feature                          | Value  |
|----------------------------------|--|
| Design                           | Piloted piston poppet valve  |
| Type of actuation                | Electric   |
| Sealing principle                | Soft   |
| Mounting position                | Coil on top (preferred)  |
| Type of mounting                 | In-line installation   |
| Connection Process valve         | 1/4 NPT  |
| Electrical connection            | Type A<br>Plugs<br>To EN 175301-803<br>Square design   |
| Nominal size                     | 13 mm  |
| Valve function                   | 2/2-way, closed, monostable  |
| Manual override                  | None   |
| Flow direction                   | Non-reversible   |
| Medium                           | Compressed air to ISO 8573-1:2010 [7:4:4]<br>Inert gases<br>Neutral fluids<br>Other media on request |
| Nominal pressure PN              | 40   |
| Pressure difference              | 0.05 MPa   |
| Pressure difference              | 0.5 bar  |
| Pressure difference              | 7.25 psi   |
| Characteristic coil data         | 24 V DC: 6.8 W   |
| Insulation material class        | H  |
| Permissible voltage fluctuations | +/- 10 %   |
| Duty cycle                       | 100%   |
| Type of piloting                 | Pilot actuated   |
| Symbol                           | 00992974   |
| Medium pressure                  | 0.05 MPa ... 4 MPa   |
| Medium pressure                  | 0.5 bar ... 40 bar   |
| Medium pressure                  | 7.25 psi ... 580 psi   |

| Feature   | Value                      |
|---|----------------------------|
| Max. viscosity  | 22 mm <sup>2</sup> /s      |
| Media temperature                                     | -10 °C ... 80 °C           |
| Ambient temperature                                   | -10 °C ... 35 °C           |
| Leakage rate to EN 12266-1                            | A                          |
| Flow rate Kv  | 1.5 m <sup>3</sup> /h      |
| Standard nominal flow rate (standardised to DIN 1343) | 1600 l/min                 |
| Switching time on                                     | 100 ms                     |
| Switching time off                                    | 250 ms                     |
| Note on materials                                     | RoHS-compliant             |
| LABS (PWIS) conformity                                | VDMA24364 zone III         |
| Material housing                                      | Cast brass                 |
| Material number housing                               | CW617N                     |
| Material seals  | NBR                        |
| Material screws                                       | High-alloy stainless steel |
| Material number screw                                 | 1.4301                     |
| Product weight  | 600 g                      |
| Degree of protection                                  | IP65                       |
| Corrosion resistance class CRC                        | 1 - Low corrosion stress   |