

# Solenoid valve

## VZWP-L-M22C-N1-250-1P4-40

Part number: 1489974

**FESTO**



## 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 NPT                                                                                                |
| Electrical connection            | Type A<br>Plugs<br>To EN 175301-803<br>Square design                                                 |
| Nominal size                     | 25 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<br>0.5 bar<br>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                                                                                       |

| 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                                      |
| Media temperature                                     | -10 °C...80 °C                                             |
| Ambient temperature                                   | -10 °C...35 °C                                             |
| Leakage rate to EN 12266-1                            | A                                                          |
| Flow rate Kv                                          | 11.5 m <sup>3</sup> /h                                     |
| Standard nominal flow rate (standardised to DIN 1343) | 12250 l/min                                                |
| Switching time on                                     | 130 ms                                                     |
| Switching time off                                    | 300 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                                        | 1400 g                                                     |
| Degree of protection                                  | IP65                                                       |
| Corrosion resistance class CRC                        | 1 - Low corrosion stress                                   |