

# Solenoid valve

## VZWD-L-M22C-M-N14-60-V-1P4-4-R1

FESTO

Part number: 1491902



[PDF](#) General operating condition

## Data sheet

| Feature                          | Value                                                                                                                        |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| Design                           | Directly actuated poppet valve                                                                                               |
| Type of actuation                | Electric                                                                                                                     |
| Sealing principle                | Soft                                                                                                                         |
| Mounting position                | optional                                                                                                                     |
| 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                     | 6 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>Mineral oil<br>Water<br>Neutral fluids<br>Other media on request |
| Nominal pressure PN              | 100                                                                                                                          |
| Pressure difference              | 0 MPa                                                                                                                        |
| Pressure difference              | 0 bar                                                                                                                        |
| Pressure difference              | 0 psi                                                                                                                        |
| Characteristic coil data         | 24 V DC: 11.0 W                                                                                                              |
| Insulation material class        | H                                                                                                                            |
| Permissible voltage fluctuations | +/- 10 %                                                                                                                     |
| Duty cycle                       | 100%                                                                                                                         |
| Type of reset                    | Mechanical spring                                                                                                            |
| Type of piloting                 | Direct                                                                                                                       |
| Symbol                           | 00992979                                                                                                                     |
| Medium pressure                  | 0 MPa ... 0.4 MPa                                                                                                            |

| <b>Feature</b>                 | <b>Value</b>               |
|--------------------------------|----------------------------|
| Medium pressure                | 0 bar ... 4 bar            |
| Medium pressure                | 0 psi ... 58 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                   | 0.4 m <sup>3</sup> /h      |
| Standard nominal flow rate     | 430 l/min                  |
| Switching time on              | 20 ms                      |
| Switching time off             | 18 ms                      |
| Note on materials              | RoHS-compliant             |
| LABS (PWIS) conformity         | VDMA24364 zone III         |
| Material housing               | High-alloy stainless steel |
| Material number housing        | 1.4305                     |
| Material seals                 | FPM                        |
| Product weight                 | 650 g                      |
| Degree of protection           | IP65                       |
| Corrosion resistance class CRC | 3 - high corrosion stress  |