

# Solenoid valve

## VZWD-L-M22C-M-G14-10-V-3AP4-50

Part number: 1491984

FESTO

Directly actuated, G1/4" connection.



## Data sheet

| Feature                                 | Value                                                                                                                                       |
|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Design structure                        | Directly actuated poppet valve                                                                                                              |
| Type of actuation                       | electrical                                                                                                                                  |
| Sealing principle                       | soft                                                                                                                                        |
| Assembly position                       | Any                                                                                                                                         |
| Mounting type                           | Line installation                                                                                                                           |
| Process valve connection                | G1/4                                                                                                                                        |
| Electrical connection                   | Plug pattern type A to EN 175301-803<br>Plug<br>to EN 175301-803<br>Cubic design                                                            |
| Nominal size                            | 1 mm                                                                                                                                        |
| Valve function                          | 2/2 closed, monostable                                                                                                                      |
| Manual override                         | None                                                                                                                                        |
| Flow direction                          | non reversible                                                                                                                              |
| Medium                                  | Compressed air in accordance with ISO8573-1:2010 [7:4:4]<br>Inert gases<br>Mineral oil<br>Water<br>Neutral fluids<br>Other media on request |
| Nominal pressure of process valve       | 50                                                                                                                                          |
| Differential pressure (MPa)             | 0 MPa                                                                                                                                       |
| Differential pressure                   | 0 bar                                                                                                                                       |
| Differential pressure (psi)             | 0 psi                                                                                                                                       |
| Characteristic coil data                | 230 V AC: 50/60 Hz, pick-up power 10.5 VA, holding power 7.6 VA                                                                             |
| Insulation class                        | F                                                                                                                                           |
| Permissible voltage fluctuation         | +/- 10 %                                                                                                                                    |
| Duty cycle                              | 100 %                                                                                                                                       |
| Type of reset                           | mechanical spring                                                                                                                           |
| Type of piloting                        | direct                                                                                                                                      |
| Pressure of medium                      | 0 ... 5 MPa                                                                                                                                 |
| Medium pressure                         | 0 ... 50 bar                                                                                                                                |
| Pressure of medium psi                  | 0 ... 725 psi                                                                                                                               |
| Max. viscosity                          | 22 mm <sup>2</sup> /s                                                                                                                       |
| Medium temperature                      | -10 ... 80 °C                                                                                                                               |
| Ambient temperature                     | -10 ... 35 °C                                                                                                                               |
| Leak rate in accordance with EN 12266-1 | A                                                                                                                                           |
| Flow rate Kv                            | 0.06 m <sup>3</sup> /h                                                                                                                      |
| Standard nominal flow rate              | 60 l/min                                                                                                                                    |
| Switching time on                       | 25 ms                                                                                                                                       |
| Switching time off                      | 10 ms                                                                                                                                       |
| Materials note                          | Conforms to RoHS                                                                                                                            |
| PWIS conformity                         | VDMA24364 zone III                                                                                                                          |
| Material housing                        | Brass                                                                                                                                       |

| Feature                                      | Value                                       |
|----------------------------------------------|---------------------------------------------|
| Material number for housing                  | CW614N                                      |
| Material seals                               | FPM                                         |
| Product weight                               | 350 g                                       |
| CE symbol (see declaration of conformity)    | according to EU low voltage guideline       |
| UKCA marking (see declaration of conformity) | To UK instructions for electrical equipment |
| Protection class                             | IP65                                        |
| Corrosion resistance classification CRC      | 1 - Low corrosion stress                    |