

# Solenoid valve

## VZWD-B-L-M22C-M-N14-20-V-30-2A-A1-22

Part number: 8214438

FESTO



 General operating condition

## Data sheet

| Feature                          | Value                                                                                                                        |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| Design                           | Directly actuated poppet valve                                                                                               |
| Type of actuation                | Electrical                                                                                                                   |
| Sealing principle                | Soft                                                                                                                         |
| Mounting position                | Any                                                                                                                          |
| Type of mounting                 | Inline installation                                                                                                          |
| Connection Process valve         | 1/4 NPT                                                                                                                      |
| Electrical connection            | Plug<br>To EN 175301-803<br>Square design                                                                                    |
| Nominal size                     | 2 mm                                                                                                                         |
| Valve function                   | 2/2-way, single solenoid, closed                                                                                             |
| 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 |
| Pressure difference              | 0 MPa                                                                                                                        |
| Pressure difference              | 0 bar                                                                                                                        |
| Pressure difference              | 0 psi                                                                                                                        |
| Characteristic coil data         | 110 V AC: 50/60 Hz, pick-up power 20.0 VA, holding power 15.0 VA                                                             |
| Insulation material class        | F                                                                                                                            |
| Permissible voltage fluctuations | +15% / -10%                                                                                                                  |
| Duty cycle                       | 100%                                                                                                                         |
| Type of reset                    | Mechanical spring                                                                                                            |
| Type of piloting                 | Direct                                                                                                                       |
| Symbol                           | 00992979                                                                                                                     |
| Medium pressure                  | 0 MPa ... 2.2 MPa                                                                                                            |
| Medium pressure                  | 0 bar ... 22 bar                                                                                                             |

| Feature                                      | Value                                                                                      |
|----------------------------------------------|--------------------------------------------------------------------------------------------|
| Medium pressure                              | 0 psi ... 319 psi                                                                          |
| Max. viscosity                               | 25 mm <sup>2</sup> /s                                                                      |
| Media temperature                            | -10 °C ... 140 °C                                                                          |
| Ambient temperature                          | -10 °C ... 80 °C                                                                           |
| Flow rate Kv                                 | 0.1 m <sup>3</sup> /h                                                                      |
| Switching time on                            | 8 ms                                                                                       |
| Switching time off                           | 25 ms                                                                                      |
| Note on materials                            | RoHS compliant                                                                             |
| Material housing                             | Brass                                                                                      |
| Material number housing                      | CW617N                                                                                     |
| Material seals                               | Fluoro rubber                                                                              |
| Product weight                               | 300 g                                                                                      |
| CE mark (see declaration of conformity)      | To EU EMC Directive<br>To EU Low Voltage Directive<br>In accordance with EU RoHS Directive |
| UKCA marking (see declaration of conformity) | To UK RoHS instructions<br>To UK regulations for electrical equipment                      |
| Degree of protection                         | IP65                                                                                       |
| Corrosion resistance class CRC               | 1 - Low corrosion stress                                                                   |