

# Air solenoid valve VZWD-L-M22C-M-N18-20-V-3AP4-40

Part number: 1492029

FESTO



## Data sheet

| Feature                          | Value  |
|----------------------------------|--|
| Structural design                | Directly controlled poppet valve   |
| Actuation type                   | Electrical   |
| Sealing principle                | Soft   |
| Mounting position                | Any  |
| Type of mounting                 | Line installation  |
| Fitting connection               | 1/8 NPT  |
| Electrical connection            | Form A<br>Plug<br>as per EN 175301-803<br>Rectangular design   |
| Nominal width                    | 2 mm   |
| Valve function                   | 2/2, closed, monostable  |
| Manual override                  | None   |
| Flow direction                   | Non-reversible   |
| Medium                           | Compressed air as per ISO 8573-1:2010 [7:4:4]<br>Inert gas<br>Mineral oil<br>Water<br>Neutral liquids<br>Other flow media on request |
| Nominal pressure of fitting PN   | 100  |
| Pressure difference              | 0 MPa<br>0 psi   |
| Differential pressure            | 0 bar  |
| Coil characteristics             | 230 V AC: 50/60 Hz, initial power 18.0 VA, holding power 15.0 VA   |
| Insulation class                 | F  |
| Permissible voltage fluctuations | +/- 10 %   |
| Duty cycle                       | 100%   |
| Reset method                     | Mechanical spring  |

| <b>Feature</b>                               | <b>Value</b>                                       |
|--|--|
| Type of control                              | Direct   |
| Medium pressure                              | 0 MPa...4 MPa<br>0 bar...40 bar<br>0 psi...580 psi |
| Max. viscosity                               | 22 mm <sup>2</sup> /s                              |
| Temperature of medium                        | -10 °C...80 °C                                     |
| Ambient temperature                          | -10 °C...35 °C                                     |
| Leak rate to EN 12266-1                      | A  |
| Flow rate Kv                                 | 0.13 m <sup>3</sup> /h                             |
| Standard nominal flow rate                   | 140 l/min  |
| On switching time                            | 20 ms  |
| Switching time off                           | 18 ms  |
| Note on materials                            | RoHS-compliant                                     |
| LABS (PWIS) conformity                       | VDMA24364 zone III                                 |
| Housing material                             | Cast brass   |
| Material number of housing                   | CW617N   |
| Seals material                               | FPM  |
| Product weight                               | 550 g  |
| CE marking (see declaration of conformity)   | As per EU low voltage directive                    |
| UKCA marking (see declaration of conformity) | To UK instructions for electrical equipment        |
| Degree of protection                         | IP65   |
| Corrosion resistance class (CRC)             | 1 - Low corrosion stress                           |