

# Air solenoid valve

## VZWD-L-M22C-M-N18-50-V-2AP4-5-R1

FESTO

Part number: 1491971



## Data sheet

| Feature                          | Value                                                                                                                                |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Type code                        | VZWD                                                                                                                                 |
| 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                    | 5 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                                                                                                                                  |
| Differential pressure            | 0 bar                                                                                                                                |
| Coil characteristics             | 110 V AC: 50/60 Hz, initial power 19.0 VA, holding power 16.0 VA                                                                     |
| Insulation class                 | F                                                                                                                                    |
| Permissible voltage fluctuations | +/- 10 %                                                                                                                             |
| Duty cycle                       | 100%                                                                                                                                 |
| Reset method                     | Mechanical spring                                                                                                                    |
| Type of control                  | Direct                                                                                                                               |
| Symbol                           | 00992979                                                                                                                             |
| Medium pressure                  | 0 bar ... 5 bar                                                                                                                      |
| Max. viscosity                   | 22 mm²/s                                                                                                                             |
| Temperature of medium            | -10 °C ... 80 °C                                                                                                                     |

| Feature                                    | Value                                                          |
|--------------------------------------------|----------------------------------------------------------------|
| Ambient temperature                        | -10 °C ... 35 °C                                               |
| Leak rate to EN 12266-1                    | A                                                              |
| Flow rate Kv                               | 0.35 m³/h                                                      |
| Standard nominal flow rate                 | 375 l/min                                                      |
| On switching time                          | 20 ms                                                          |
| Switching time off                         | 18 ms                                                          |
| Note on materials                          | Contains paint-wetting impairment substances<br>RoHS-compliant |
| Housing material                           | High-alloy stainless steel                                     |
| Material number of housing                 | 1.4305                                                         |
| Seals material                             | FPM                                                            |
| Product weight                             | 500 g                                                          |
| CE marking (see declaration of conformity) | As per EU low voltage directive                                |
| Degree of protection                       | IP65                                                           |
| Corrosion resistance class (CRC)           | 3 - High corrosion stress                                      |