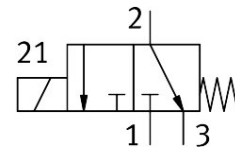


# Media separated solenoid valve VYKB-F10-M32-16-PE-1HPA

Part number: 8122810

**FESTO**



## Data sheet

| Feature                                   | Value                                                                                               |
|-------------------------------------------|-----------------------------------------------------------------------------------------------------|
| Design                                    | Electrical connection at the side<br>Rocker valve with diaphragm seal                               |
| Sealing principle                         | Soft                                                                                                |
| Material in contact with the medium       | EPDM<br>PEEK                                                                                        |
| Valve function                            | 3/2-way, monostable, open/closed                                                                    |
| Nominal size                              | 1.6 mm                                                                                              |
| Flow direction                            | Non-reversible                                                                                      |
| Type of actuation                         | Electric                                                                                            |
| Type of piloting                          | Direct                                                                                              |
| Type of reset                             | Mechanical spring                                                                                   |
| Manual override                           | None                                                                                                |
| Mounting position                         | optional                                                                                            |
| Type of mounting                          | Via through-hole for M2 screw                                                                       |
| Electrical connection 1, connection type  | Cable with plug                                                                                     |
| Electrical connection 1, connector system | Connection pattern HP                                                                               |
| Size                                      | 10                                                                                                  |
| Fluid connection                          | Flange                                                                                              |
| Medium                                    | Liquid media<br>Gaseous media                                                                       |
| Note on the medium                        | Observe resistance of materials that come into contact with the media<br>Maximum particle size 5 µm |
| Internal volume                           | 35 µl                                                                                               |
| Media temperature                         | 0 °C...50 °C                                                                                        |
| Media temperature for fluids              | 0 °C...50 °C                                                                                        |
| Ambient temperature                       | 0 °C...50 °C                                                                                        |
| Storage temperature                       | -20 °C...70 °C                                                                                      |
| Medium pressure                           | -0.075 MPa...0.1 MPa<br>-0.75 bar...1 bar<br>-10.875 psi...14.5 psi                                 |
| Overload pressure                         | 0.3 MPa<br>3 bar<br>43.5 psi                                                                        |
| Operational voltage range DC              | 24 V                                                                                                |

| Feature                                      | Value                                                       |
|----------------------------------------------|-------------------------------------------------------------|
| Permissible voltage fluctuations             | +/- 10 %                                                    |
| Characteristic coil data                     | 24 V DC: low-current phase 1 W, high-current phase 3.7 W    |
| Duty cycle                                   | 100%                                                        |
| Max. switching frequency                     | 2 Hz                                                        |
| Switching time on                            | 15 ms                                                       |
| Switching time off                           | 15 ms                                                       |
| Flow rate Kv                                 | 0.034 m³/h                                                  |
| Material housing                             | PEEK                                                        |
| Material membrane                            | EPDM                                                        |
| Material seals                               | EPDM                                                        |
| Note on materials                            | RoHS-compliant                                              |
| LABS (PWIS) conformity                       | VDMA24364 zone III                                          |
| Product weight                               | 18 g                                                        |
| Degree of protection                         | IP40                                                        |
| Corrosion resistance class CRC               | 0 - No corrosion stress                                     |
| CE mark (see declaration of conformity)      | To EU EMC Directive<br>In accordance with EU RoHS Directive |
| UKCA marking (see declaration of conformity) | To UK instructions for EMC<br>To UK RoHS instructions       |