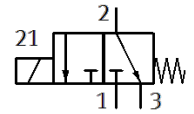
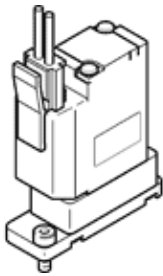


# media separated solenoid valve VYKB-F10-M32-16-PV-5HPS

Part number: 8122820

FESTO



## Data sheet

| Feature  | Value  |
|--|--|
| Design structure                               | Electrical connection at top<br>Rocker valve with diaphragm seal                                 |
| Sealing principle                              | soft   |
| Materials in contact with media                | FPM<br>PEEK  |
| Valve function                                 | 3/2 open/closed, monostable  |
| Nominal size                                   | 1.6 mm   |
| Flow direction                                 | non reversible   |
| Type of actuation                              | electrical   |
| Type of piloting                               | direct   |
| Type of reset                                  | mechanical spring  |
| Manual override                                | None   |
| Assembly position                              | Any  |
| Mounting type                                  | With through-hole for M2 screw   |
| Electrical connection 1, connection type       | Cable with plug  |
| Electrical connection 1, connection technology | Plug pattern HP  |
| Size   | 10   |
| Fluid connection                               | Flange   |
| Medium   | Fluid media<br>Gaseous media   |
| Note on the medium                             | Observe resistance of materials that come into contact with media<br>Maximum particle size: 5 µm |
| Internal volume                                | 35 µl  |
| Medium temperature                             | 0 ... 50 °C  |
| Temperature of liquid media                    | 0 ... 50 °C  |
| Ambient temperature                            | 0 ... 50 °C  |
| Storage temperature                            | -20 ... 70 °C  |
| Pressure of medium                             | -0.075 ... 0.1 MPa   |
| Medium pressure                                | -0.75 ... 1 bar  |
| Pressure of medium psi                         | -10.875 ... 14.5 psi   |
| Overload pressure                              | 0.3 MPa<br>3 bar   |
| Overload pressure (psi)                        | 43.5 psi   |
| Operating voltage range DC                     | 12 V   |
| Permissible voltage fluctuation                | -5 % / +10 %   |
| Characteristic coil data                       | 12 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 m <sup>3</sup> /h  |
| Material housing                               | PEEK   |
| Material membrane                              | FPM  |
| Material seals                                 | FPM  |
| Materials note                                 | Conforms to RoHS   |
| PWIS conformity                                | VDMA24364 zone III   |

| <b>Feature</b>                               | <b>Value</b>  |
|--|---|
| Product weight                               | 18 g  |
| Protection class                             | IP40  |
| Corrosion resistance classification CRC      | 0 - No corrosion stress   |
| CE mark (see declaration of conformity)      | to EU directive for EMC<br>in accordance with EU RoHS directive |
| UKCA marking (see declaration of conformity) | To UK instructions for EMC<br>To UK RoHS instructions           |